WUTC DOCKET: UE-180778 EXHIBIT: JJS-3 ADMIT ☑ W/D ☐ REJECT ☐

Exhibit No. JJS-3 Docket UE-180778 Witness: John J. Spanos

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

In the Matter of the Petition of

PACIFIC POWER & LIGHT COMPANY

For an Order Approving a Change in Depreciation Rates Applicable to Electric Property.

Docket UE-180778

PACIFIC POWER & LIGHT COMPANY

EXHIBIT

DEPRECIATION STUDY

PACIFICORP

PORTLAND, OREGON

DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2017

Prepared by:



Excellence Delivered As Promised

PACIFICORP

Portland, Oregon

DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2017

GANNETT FLEMING VALUATION AND RATE CONSULTANTS, LLC

Camp Hill, Pennsylvania



Excellence Delivered As Promised

August 29, 2018

PacifiCorp 825 NE Multnomah, Suite 940 Portland, OR 97232

Attention

Nikki L. Kobliha, Vice President

Chief Financial Officer and Treasurer

Ladies and Gentlemen:

Pursuant to your request, we have conducted a depreciation study related to the electric plant of PacifiCorp as of December 31, 2017. The attached report presents a description of the methods used in the estimation of depreciation, the summary of annual depreciation accrual rates, the statistical support for the life and net salvage estimates and the detailed tabulations of annual depreciation. The appendix to the report provides calculated annual depreciation rates based on projected balances as of December 31, 2020.

Respectfully submitted,

GANNETT FLEMING VALUATION AND RATE CONSULTANTS, LLC

JOHN J. SPANOS

Sr. Vice President

JJS:mle

063368.000



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PACIFICORP

DEPRECIATION STUDY

EXECUTIVE SUMMARY

Pursuant to PacifiCorp ("the Company") request, Gannett Fleming Valuation and Rate Consultants, LLC ("Gannett Fleming") conducted a depreciation study related to the electric plant as of December 31, 2017. The purpose of this study was to determine the annual depreciation accrual rates and amounts for book and ratemaking purposes.

The depreciation rates are based on the straight-line method using the average service life ("ASL") procedure and were applied on a remaining life basis. The calculations were based on attained ages and estimated average service life and forecasted net salvage characteristics for each depreciable group of assets.

The most significant factors impacting depreciation rates are related to steam production plant accounts. The combination of capital additions at many plants and shorter estimated life spans for certain generating units results in higher depreciation expense for the steam production function.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to electric plant in service as of December 31, 2017 as summarized by Table 1 of the study. Supporting analysis and calculations are provided within the study. Annual depreciation rates based on projected balances as of December 31, 2020 are also presented in the study.



The study results set forth an annual depreciation expense of \$805.1 million when applied to depreciable plant balances as of December 31, 2017. The results are summarized at the functional level as follows:

SUMMARY OF ORIGINAL COST, ACCRUAL RATES AND AMOUNTS

FUNCTION	ORIGINAL COST AS OF DECEMBER 31, 2017	PROPOSED RATE	PROPOSED EXPENSE
Steam Production Plant	\$ 7,228,468,819.14	4.77	\$344,546,680
Hydraulic Production Plant	1,017,867,106.75	3.53	35,939,236
Other Production Plant	4,029,282,440.76	4.06	106,368,552
Transmission Plant	6,162,973,828.90	1.87	115,036,141
Distribution Plant	6,741,487,983.14	2.52	170,020,316
General Plant	522,380,739.52	4.25	22,200,373
Total Depreciable Electric Plant	<u>\$25,702,460,918.21</u>	3.13	<u>\$805,117,838</u>



PART I. INTRODUCTION



PACIFICORP

DEPRECIATION STUDY

PART I. INTRODUCTION

SCOPE

This report sets forth the results of the depreciation study for PacifiCorp ("the Company"), as applied to electric plant in service as of December 31, 2017. The rates and amounts are based on the straight line remaining life method of depreciation. This report also describes the concepts, methods and judgments which underlie the recommended annual depreciation accrual rates related to current electric plant in service.

The service life and net salvage estimates resulting from the study were based on informed judgment which incorporated analyses of historical plant retirement data as recorded through December 2017; the net salvage analyses of historical plant retirement data recorded through December 2017; a review of Company practice and outlook as they relate to plant operation and retirement; and consideration of current practice in the electric industry, including knowledge of service lives and net salvage estimates used for other electric companies.

PLAN OF REPORT

Part I, Introduction, contains statements with respect to the plan of the report, and the basis of the study. Part II, Estimation of Survivor Curves, presents descriptions of the considerations and the methods used in the service life study. Part III, Service Life Considerations, presents the factors and judgment utilized in the average service life analysis. Part IV, Net Salvage Considerations, presents the judgment utilized for the net salvage study. Part V, Calculation of Annual and Accrued Depreciation, describes the procedures used in the calculation of group depreciation. Part VI, Results of Study,



presents a summary by depreciable group of annual depreciation accrual rates and amounts, as well as composite remaining lives. Part VII, Service Life Statistics presents the statistical analysis of service life estimates, Part VIII, Net Salvage Statistics sets forth the statistical indications of net salvage percents, and Part IX, Detailed Depreciation Calculations presents the detailed tabulations of annual depreciation. The Appendix of this report presents a summary by depreciable group of annual depreciable accrual rates and amounts based on projected balances as of December 31, 2020.

BASIS OF THE STUDY

Depreciation

Depreciation, in public utility regulation, is the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of utility plant in the course of service from causes which are known to be in current operation and against which the utility is not protected by insurance. Among causes to be given consideration are wear and tear, deterioration, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and the requirements of public authorities.

Depreciation, as used in accounting, is a method of distributing fixed capital costs, less net salvage, over a period of time by allocating annual amounts to expense. Each annual amount of such depreciation expense is part of that year's total cost of providing electric utility service. Normally, the period of time over which the fixed capital cost is allocated to the cost of service is equal to the period of time over which an item renders service, that is, the item's service life. The most prevalent method of allocation is to distribute an equal amount of cost to each year of service life. This method is known as the straight-line method of depreciation.



For all accounts, the annual depreciation was calculated by the straight line method using the average service life procedure and the remaining life basis. The calculated remaining lives and annual depreciation accrual rates were based on attained ages of plant in service and the estimated service life and salvage characteristics of each depreciable group. Amortization accounting or vintage pooling is proposed for most general plant accounts.

The straight line method, average service life procedure is a commonly used depreciation calculation procedure that has been widely accepted in jurisdictions throughout North America. Gannett Fleming recommends its continued use.

Service Life and Net Salvage Estimates

The service life and net salvage estimates used in the depreciation calculations were based on informed judgment which incorporated a review of management's plans, policies and outlook, a general knowledge of the electric utility industry, and comparisons of the service life and net salvage estimates from our studies of other electric utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for utility property. lowa type survivor curves were used to depict the estimated survivor curves for the plant accounts.

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data analyses and the probable future. The combination of the historical experience and the estimated future yielded estimated survivor curves from which the average service lives were derived.

The estimates of net salvage by account incorporated a review of experienced costs of removal and salvage related to plant retirements, and consideration of trends



exhibited by the historical data. Each component of net salvage, i.e., cost of removal and salvage, was stated in dollars and as a percent of retirement.

An understanding of the function of the plant and information with respect to the reasons for past retirements and the expected causes of future retirements was obtained through discussions with operating and management personnel. The supplemental information obtained in this manner was considered in the interpretation and extrapolation of the statistical analyses.

I-5



PART II. ESTIMATION OF SURVIVOR CURVES



PART II. ESTIMATION OF SURVIVOR CURVES

The calculation of annual depreciation based on the straight line method requires the estimation of survivor curves and the selection of group depreciation procedures. The estimation of survivor curves is discussed below and the development of net salvage is discussed in later sections of this report.

SURVIVOR CURVES

The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units, or by constructing a survivor curve by plotting the number of units which survive at successive ages.

The survivor curve graphically depicts the amount of property existing at each age throughout the life of an original group. From the survivor curve, the average life of the group, the remaining life expectancy, the probable life, and the frequency curve can be calculated. In Figure 1, a typical smooth survivor curve and the derived curves are illustrated. The average life is obtained by calculating the area under the survivor curve, from age zero to the maximum age, and dividing this area by the ordinate at age zero. The remaining life expectancy at any age can be calculated by obtaining the area under the curve, from the observation age to the maximum age, and dividing this area by the percent surviving at the observation age. For example, in Figure 1, the remaining life at age 30 is equal to the crosshatched area under the survivor curve divided by 29.5 percent surviving at age 30. The probable life at any age is developed by adding the age and remaining life. If the probable life of the property is calculated for each year of age, the probable life curve shown in the chart can be developed. The frequency curve presents the number of units retired in each age interval. It is derived by obtaining the differences between the amount of property surviving at the beginning and at the end of each interval.



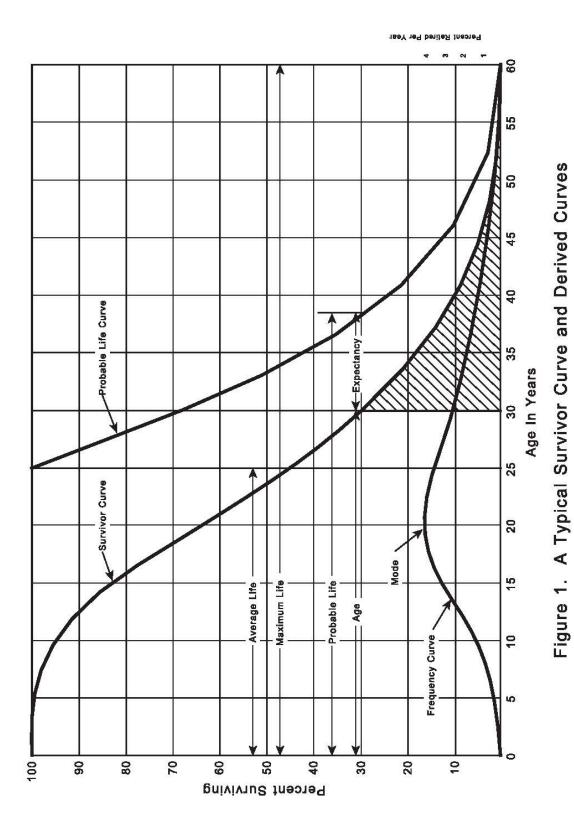
This study has incorporated the use of lowa curves developed from a retirement rate analysis of historical retirement history. A discussion of the concepts of survivor curves and of the development of survivor curves using the retirement rate method is presented below.

Iowa Type Curves

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the lowa type curves. There are four families in the lowa system, labeled in accordance with the location of the modes of the retirements in relationship to the average life and the relative height of the modes. The left moded curves, presented in Figure 2, are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical moded curves, presented in Figure 3, are those in which the greatest frequency of retirement occurs at average service life. The right moded curves, presented in Figure 4, are those in which the greatest frequency occurs to the right of, or after, average service life. The origin moded curves, presented in Figure 5, are those in which the greatest frequency of retirement occurs at the origin, or immediately after age zero. The letter designation of each family of curves (L, S, R or O) represents the location of the mode of the associated frequency curve with respect to the average service life. The numbers represent the relative heights of the modes of the frequency curves within each family.

The lowa curves were developed at the lowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves,







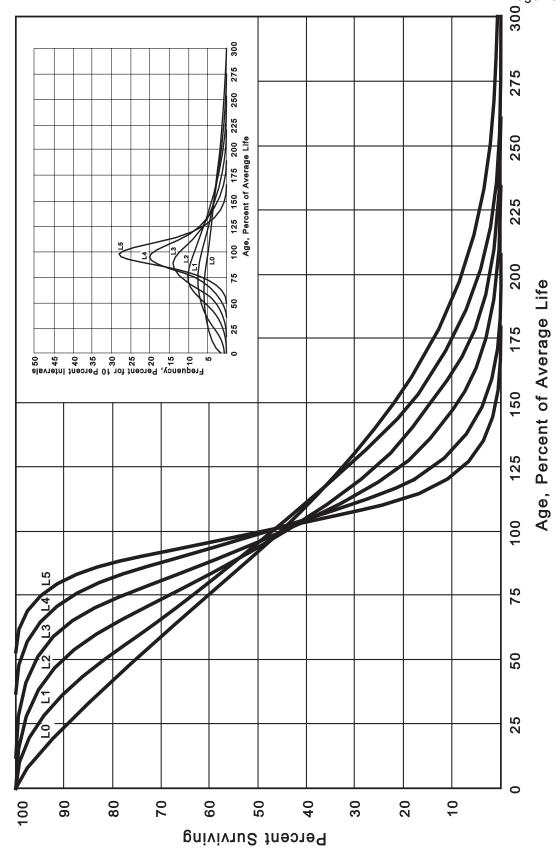
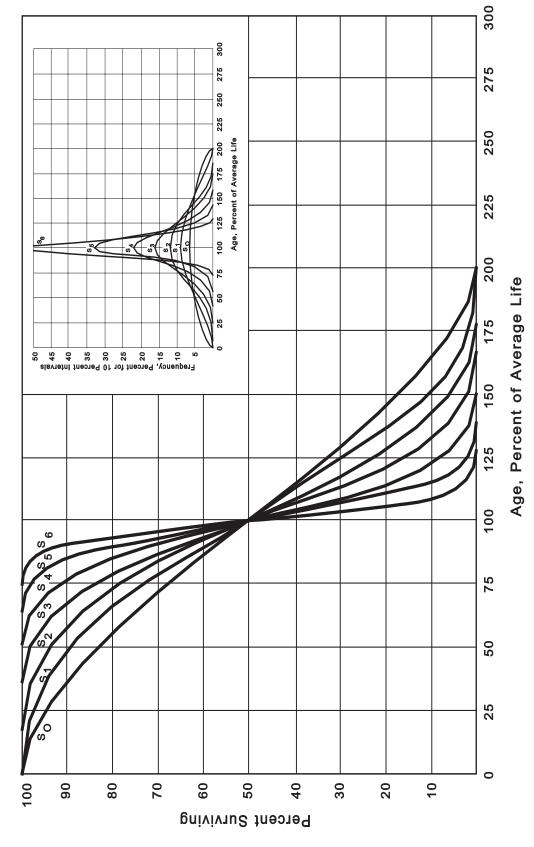
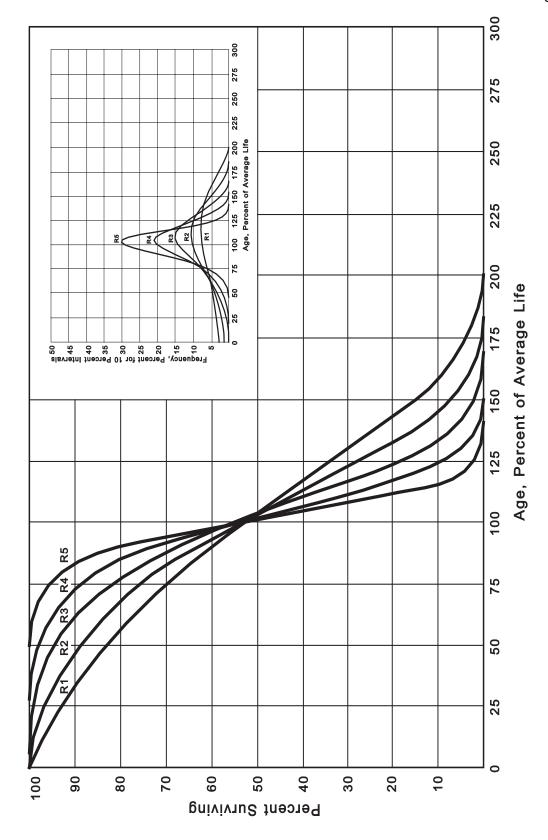


Figure 2. Left Modal or "L" lowa Type Survivor Curves

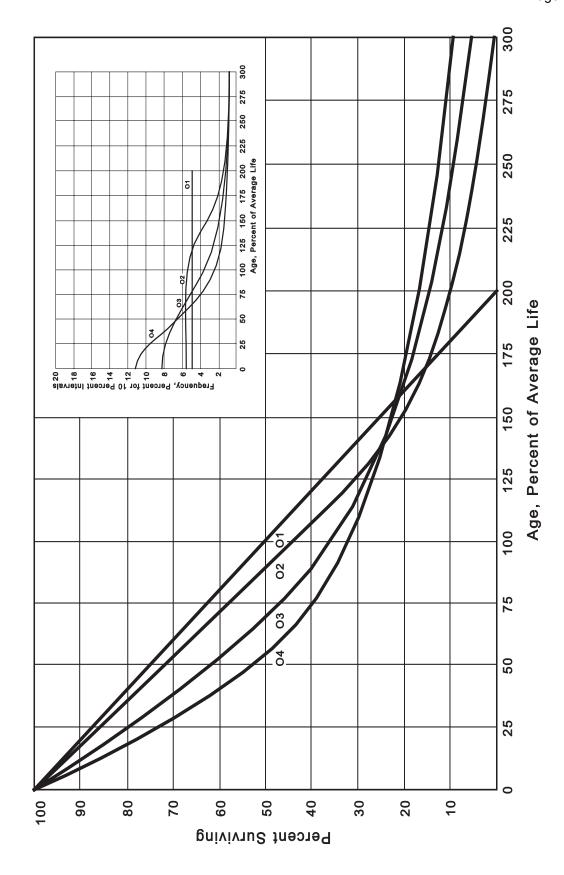


Symmetrical or "S" lowa Type Survivor Curves Figure 3.





Right Modal or "R" lowa Type Survivor Curves Figure 4.



Origin Modal or "O" lowa Type Survivor Curves Figure 5.

which constitute three of the four families, was published in 1935 in the form of the Experiment Station's Bulletin 125. These curve types have also been presented in subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation." In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student submitted a thesis presenting his development of the fourth family consisting of the four O type survivor curves.

Retirement Rate Method of Analysis

The retirement rate method is an actuarial method of deriving survivor curves using the average rates at which property of each age group is retired. The method relates to property groups for which aged accounting experience is available and is the method used to develop the original stub survivor curves in this study. The method (also known as the annual rate method) is illustrated through the use of an example in the following text, and is also explained in several publications, including "Statistical Analyses of Industrial Property Retirements," Engineering Valuation and Depreciation, and "Depreciation Systems."

The average rate of retirement used in the calculation of the percent surviving for the survivor curve (life table) requires two sets of data: first, the property retired during a period of observation, identified by the property's age at retirement; and second, the property exposed to retirement at the beginning of the age intervals during the same period. The period of observation is referred to as the <u>experience band</u>, and the band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the <u>placement band</u>. An example of the calculations used in the development of a life table follows. The example includes

⁴Wolf, Frank K. and W. Chester Fitch. <u>Depreciation Systems</u>. Iowa State University Press. 1994.



PacifiCorp December 31, 2017

¹Marston, Anson, Robley Winfrey and Jean C. Hempstead. Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company. 1953.

²Winfrey, Robley, <u>Statistical Analyses of Industrial Property Retirements</u>. Iowa State College Engineering Experiment Station, Bulletin 125. 1935..

³Marston, Anson, Robley Winfrey, and Jean C. Hempstead, Supra Note 1.

schedules of annual aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

Schedules of Annual Transactions in Plant Records

The property group used to illustrate the retirement rate method is observed for the experience band 2008-2017 during which there were placements during the years 2003-2017. In order to illustrate the summation of the aged data by age interval, the data were compiled in the manner presented in Schedules 1 and 2 on pages II-11 and II-12. In Schedule 1, the year of installation (year placed) and the year of retirement are shown. The age interval during which a retirement occurred is determined from this information. In the example which follows, \$10,000 of the dollars invested in 2003 were retired in 2008. The \$10,000 retirement occurred during the age interval between 4½ and 5½ years on the basis that approximately one-half of the amount of property was installed prior to and subsequent to July 1 of each year. That is, on the average, property installed during a year is placed in service at the midpoint of the year for the purpose of the analysis. All retirements also are stated as occurring at the midpoint of a one-year age interval of time, except the first age interval which encompasses only one-half year.

The total retirements occurring in each age interval in a band are determined by summing the amounts for each transaction year-installation year combination for that age interval. For example, the total of \$143,000 retired for age interval $4\frac{1}{2}$ - $5\frac{1}{2}$ is the sum of the retirements entered on Schedule 1 immediately above the stair step line drawn on the table beginning with the 2008 retirements of 2003 installations and ending with the 2017 retirements of the 2012 installations. Thus, the total amount of 143 for age interval $4\frac{1}{2}$ - $5\frac{1}{2}$ equals the sum of:



SCHEDULE 1. RETIREMENTS FOR EACH YEAR 2008-2017 SUMMARIZED BY AGE INTERVAL

Placement Band 2003-2017			∏ 	(13)	131/2-141/2	121/2-131/2	111/2-121/2	101/2-111/2	91/2-101/2	81/2-91/2	71/2-81/2	61/2-71/2	51/2-61/2	41/2-51/2	31/2-41/2	21/2-31/2	11/2-21/2	1/2-11/2	0-1/2	ı
Placement Ba		I Otal Dulli	Age Interval	(12)	26	44	64	83	93	105	113	124	131	143	146	150	151	153	80	1,606
			2017	(11)	26	19	18	17	20	20	20	19	19	20	23	22	25	24	13	308
			2016	(10)	25	22	22	16	19	16	18	19	19	19	22	22	23	7		273
			2015	(6)	24	21	21	15	17	15	16	17	17	17	20	20	7			231
Retirements, Thousands of Dollars During Year		2014	(8)	23	20	19	14	16	14	15	16	16	16	18	<u></u>				196	
	19 - Cal	2013	(2)	16	48	17	13	14	13	14	15	15	14	∞					157	
	ments, Th	2	2012	(9)	4	16	16	1	13	12	13	13	13	7						128
	Retire		2011	(2)	13	15	14	11	12		12	12	9							106
17			2010	(4)	12	13	13	10	7	10	7	9								98
Experience Band 2008-2017			2009	(3)	1	12	12	တ	10	တ	2									89
ience Ban			2008	(2)	10	11	1	∞	6	4										53
Exper	>	<u>ק</u>	Placed	(1)	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total



SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2008-2017 SUMMARIZED BY AGE INTERVAL

Experience Band 2008-2017

Placement Band 2003-2017

	Age Interval (13)	13½-14½	111/2-121/2	101/2-111/2	91/2-101/2	81/2-91/2	71/2-81/2	61/2-71/2	51/2-61/2	41/2-51/2	31/2-41/2	21/2-31/2	11/2-21/2	1/2-11/2	0-1/2	
	Total During <u>Age Interval</u> (12)		ı	09	ı	(5)	9		ı	ı	10	ı	(121)	ı		(20)
	<u>2017</u> (11)		,	,	,	,	,			,			$(102)^{c}$			(102)
	<u>2016</u> (10)			,		,	,			22^a						22
f Dollars	<u>2015</u> (9)			$(2)_{p}$	6 ^a	ı	,		$(12)^{b}$,	(19) ^b					(30)
usands o	<u>2014</u> (8)	e0 _a	,	,	,	,	,			,		,				09
Sales, Tho Year	<u>2013</u> (7)			,	,	ı	,			,						
ifers and Sales, During Year	<u>2012</u> (6)			,	,	ı	,			,						
Acquisitions, Transfers and Sales, Thousands of Dollars During Year	<u>2011</u> (5)			,	,	ı	,									
Acquisition	<u>2010</u> (4)			,		,	,									
	<u>2009</u> (3)			,		,	,									
	<u>2008</u> (2)			,	,	ı										
•	Year <u>Placed</u> (1)	2003	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total

^a Transfer Affecting Exposures at Beginning of Year

Parentheses Denote Credit Amount.

^b Transfer Affecting Exposures at End of Year

^c Sale with Continued Use

In Schedule 2, other transactions which affect the group are recorded in a similar manner. The entries illustrated include transfers and sales. The entries which are credits to the plant account are shown in parentheses. The items recorded on this schedule are not totaled with the retirements but are used in developing the exposures at the beginning of each age interval.

Schedule of Plant Exposed to Retirement

The development of the amount of plant exposed to retirement at the beginning of each age interval is illustrated in Schedule 3 on page II-14. The surviving plant at the beginning of each year from 2008 through 2017 is recorded by year in the portion of the table headed "Annual Survivors at the Beginning of the Year." The last amount entered in each column is the amount of new plant added to the group during the year. The amounts entered in Schedule 3 for each successive year following the beginning balance or additions are obtained by adding or subtracting the net entries shown on Schedules 1 and 2. For the purpose of determining the plant exposed to retirement, transfers-in are considered as being exposed to retirement in this group at the beginning of the year in which they occurred, and the sales and transfers-out are considered to be removed from the plant exposed to retirement at the beginning of the following year. Thus, the amounts of plant shown at the beginning of each year are the amounts of plant from each placement year considered to be exposed to retirement at the beginning of each successive transaction year. For example, the exposures for the installation year 2013 are calculated in the following manner:

Exposures at age 0 =	amount of addition	= \$750,000
Exposures at age ½ =	= \$750,000 - \$ 8,000	= \$742,000
Exposures at age 1½ =	= \$742,000 - \$18,000	= \$724,000
Exposures at age 21/2 =	= \$724,000 - \$20,000 - \$19,000	= \$685,000
Exposures at age 3½ =	= \$685,000 - \$22,000	= \$663,000



SCHEDULE 3. PLANT EXPOSED TO RETIREMENT JANUARY 1 OF EACH YEAR 2008-2017 SUMMARIZED BY AGE INTERVAL

Placement Band 2003-2017

	val		41/2	31/2	21/2	11/2	01/2	1/2	1/2	1/2	1/2	1/2	.7/2	1/2	1/2	1/2	\n	
Age	Interval	(13)	131/2-141/2	121/2-1	111/2-1	101/2-1	91/2-101/2	81/2-91/2	71/2-81/2	61/2-71/2	51/2-61/2	41/2-51/2	31/2-41/2	21/2-31/2	11/2-21/2	1/2-11/2	0-1/2	
Total at Beginning of	Age Interval	(12)	167	323	531	823	1,097	1,503	1,952	2,463	3,057	3,789	4,332	4,955	5,719	6,579	7,490	44,780
	2017	(11)	167	131	162	226	261	316	356	412	482	609	663	799	926	1,069	1,220ª	7,799
	2016	(10)	192	153	184	242	280	332	374	431	501	628	685	821	949	1,080a		6,852
_	2015	(6)	216	174	205	262	297	347	390	448	530	623	724	841	960a			6,017
ollars of the Yea	2014	(8)	239	194	224	276	307	361	405	464	546	639	742	850a				5,247
Exposures, Thousands of Dollars al Survivors at the Beginning of the	2013	(2)	195	212	241	289	321	374	419	479	561	653	750a					4,494
ures, Thou ivors at the	2012	(9)	209	228	257	300	334	386	432	492	574	660a						3,872
Exposures, Thousands of Dollars Annual Survivors at the Beginning of the Year	2011	(2)	222	243	271	311	346	397	444	504	580^a							3,318
A	2010	(4)	234	256	284	321	357	407	455	510a								2,824
	2009	(3)	245	268	296	330	367	416	460a									2,382
	2008	(2)	255	279	307	338	376	420a										1,975
Year	Placed	(1)	2003	2004	2002	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total

^aAdditions during the year



Experience Band 2008-2017

For the entire experience band 2008-2017, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Schedule 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval $4\frac{1}{2}$ - $5\frac{1}{2}$, is obtained by summing:

Original Life Table

The original life table, illustrated in Schedule 4 on page II-16, is developed from the totals shown on the schedules of retirements and exposures, Schedules 1 and 3, respectively. The exposures at the beginning of the age interval are obtained from the corresponding age interval of the exposure schedule, and the retirements during the age interval are obtained from the corresponding age interval of the retirement schedule. The retirement ratio is the result of dividing the retirements during the age interval by the exposures at the beginning of the age interval. The percent surviving at the beginning of each age interval is derived from survivor ratios, each of which equals one minus the retirement ratio. The percent surviving is developed by starting with 100% at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

Percent surviving at age 4½ 88.15 Exposures at age 4½ = 3.789,000Retirements from age $4\frac{1}{2}$ to $5\frac{1}{2}$ = 143,000 $143,000 \div 3,789,000 = 0.0377$ Retirement Ratio = Survivor Ratio 1.000 -= 0.0377 = 0.9623Percent surviving at age 5½ (88.15) x (0.9623) =84.83

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless.



SCHEDULE 4. ORIGINAL LIFE TABLE CALCULATED BY THE RETIREMENT RATE METHOD

Experience Band 2008-2017

Placement Band 2003-2017

(Exposure and Retirement Amounts are in Thousands of Dollars)

Age at Beginning of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Age Interval
(1)	(2)	(3)	(4)	(5)	(6)
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5 9.5 10.5 11.5 12.5 13.5 14.5	7,490 6,579 5,719 4,955 4,332 3,789 3,057 2,463 1,952 1,503 1,097 823 531 323 167	80 153 151 150 146 143 131 124 113 105 93 83 64 44 26	0.0107 0.0233 0.0264 0.0303 0.0337 0.0377 0.0429 0.0503 0.0579 0.0699 0.0848 0.1009 0.1205 0.1362 0.1557	0.9893 0.9767 0.9736 0.9697 0.9663 0.9571 0.9421 0.9301 0.9152 0.8991 0.8795 0.8638 0.8443	100.00 98.93 96.62 94.07 91.22 88.15 84.83 81.19 77.11 72.65 67.57 61.84 55.60 48.90 42.24
Total	<u>44,780</u>	<u>1,606</u>			35.66

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.

Column 3 from Schedule 1, Column 12, Retirements for Each Year.

Column 4 = Column 3 Divided by Column 2.

Column 5 = 1.0000 Minus Column 4.

Column 6 = Column 5 Multiplied by Column 6 as of the Preceding Age Interval.



The original survivor curve is plotted from the original life table (column 6, Schedule 4). When the curve terminates at a percent surviving greater than zero, it is called a stub survivor curve. Survivor curves developed from retirement rate studies generally are stub curves.

Smoothing the Original Survivor Curve

The smoothing of the original survivor curve eliminates any irregularities and serves as the basis for the preliminary extrapolation to zero percent surviving of the original stub curve. Even if the original survivor curve is complete from 100% to zero percent, it is desirable to eliminate any irregularities, as there is still an extrapolation for the vintages which have not yet lived to the age at which the curve reaches zero percent. In this study, the smoothing of the original curve with established type curves was used to eliminate irregularities in the original curve.

The lowa type curves are used in this study to smooth those original stub curves which are expressed as percents surviving at ages in years. Each original survivor curve was compared to the lowa curves using visual and mathematical matching in order to determine the better fitting smooth curves. In Figures 6, 7, and 8, the original curve developed in Schedule 4 is compared with the L, S, and R lowa type curves which most nearly fit the original survivor curve. In Figure 6, the L1 curve with an average life between 12 and 13 years appears to be the best fit. In Figure 7, the S0 type curve with a 12-year average life appears to be the best fit and appears to be better than the L1 fitting. In Figure 8, the R1 type curve with a 12-year average life appears to be the best fit and appears to be better than either the L1 or the S0.

In Figure 9, the three fittings, 12-L1, 12-S0 and 12-R1 are drawn for comparison purposes. It is probable that the 12-R1 lowa curve would be selected as the most representative of the plotted survivor characteristics of the group.



FIGURE 6. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1 IOWA TYPE CURVE ORIGINAL CURVE 2008-2017 EXPERIENCE: 2003-2017 PLACEMENTS 40 35 30 ORIGINAL AND SMOOTH SURVIVOR CURVES IOWA 12-L IOWA 13-L1 20 25 AGE IN YEARS 15 10 2 90 80 70 9 20 30 20 PERCENT SURVIVING



PacifiCorp

SO IOWA TYPE CURVE FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN

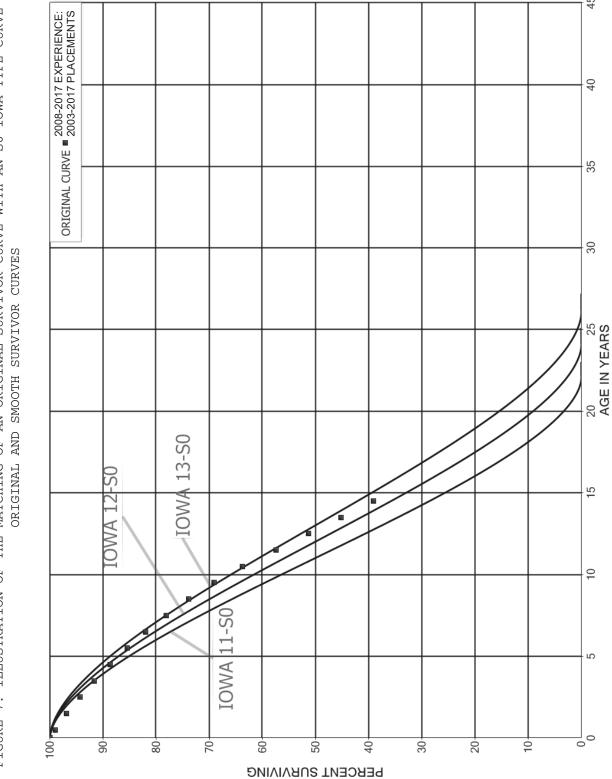
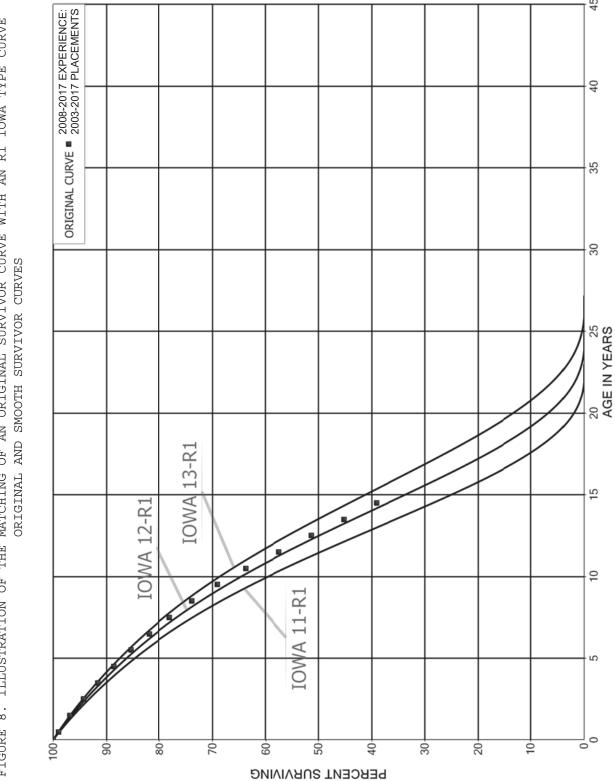
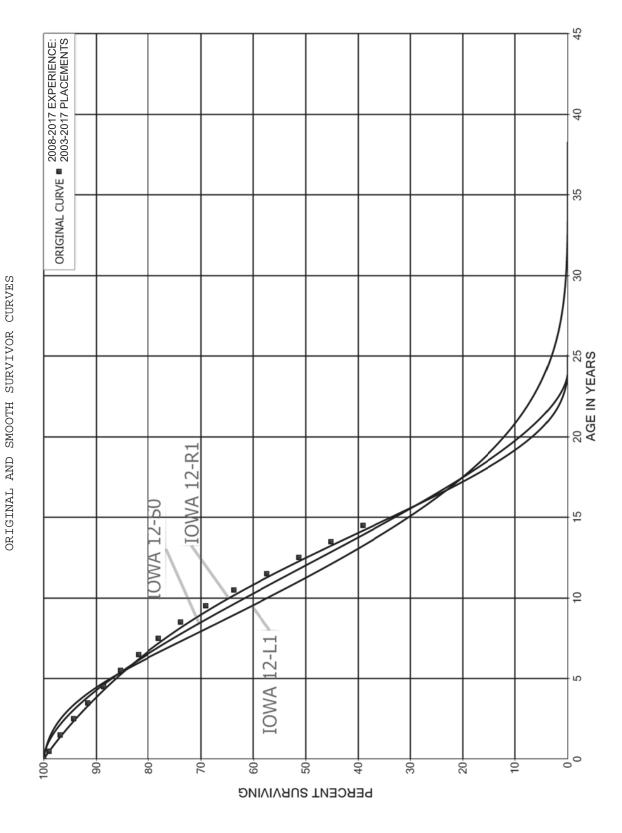


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE



AND R1 IOWA TYPE CURVE 80 FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1,



PART III. SERVICE LIFE CONSIDERATIONS



PART III. SERVICE LIFE CONSIDERATIONS

FIELD TRIPS

In order to be familiar with the operation of the Company and observe representative portions of the plant, field trips have been conducted. A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirements are obtained during field trips. This knowledge and information were incorporated in the interpretation and extrapolation of the statistical analyses.

The following is a list of the locations visited during the field trips.

<u>September 8-9, 2015</u>

Lake Side Generating Station Populus Substation Terminal Substation

May 13-15, 2012

Gadsby Generating Facility
Ninety South Substation
Camp Williams Substation
Lakeside Generating Facility
Carbon Generating Facility
Hunter Generating Facility
Huntington Generating Facility
Deer Creek Mine
Currant Creek Combined Cycle Facility
Granite Hydro Facility
Stairs Hydro Facility
Jim Bridger Generating Facility
Naughton Generating Facility



June 18-21, 2012

Chehalis Combined Cycle Facility
Merwin Hydro Facility
Yale Hydro Facility
Swift Hydro Facility
Goodnoe Hills Wind Facility
Leaning Juniper Wind Facility
Hood River Service Center
Knott Substation
Portland Metro Operations Center
Kennedy Substation
Systems Power Control Center
Russellville Substation
Parkrose Substation
Alderwood Substation

SERVICE LIFE ANALYSIS

The service life estimates were based on judgment which considered a number of factors. The primary factors were the statistical analyses of data, current Company policies and outlook as determined during conversations with management; and the survivor curve estimates from previous studies of this company and other electric utilities.

For 103 plant accounts and subaccounts for which survivor curves were estimated, the statistical analyses using the retirement rate method resulted in good to excellent indications of the survivor patterns experienced. Generally, the information external to the statistics led to no significant departure from the indicated survivor curves for the accounts listed below. The statistical support for the service life estimates is presented in the section beginning on page VII-2.

III-3



STEAM PRODUCT 311.00 312.00 314.00	TION PLANT Structures and Improvements Boiler Plant Equipment Turbogenerator Units
315.00 316.00	Accessory Electric Equipment Miscellaneous Power Plant Equipment
HYDRAULIC PROI	
331.00 332.00	Structures and Improvements
333.00	Reservoirs, Dams and Waterways Waterwheels, Turbines and Generators
334.00	Accessory Electric Equipment
335.00	Miscellaneous Power Plant Equipment
336.00	Roads, Railroads and Bridges
OTHER PRODUCT	TION PLANT
341.00	Structures and Improvements
341.10	Structures and Improvements - Wind
343.00	Prime Movers – Combined Cycle
343.00	Prime Movers – Simple Cycle
343.10	Prime Movers – Wind
344.00	Generators Wind
344.10	Generators – Wind
345.00	Accessory Electric Equipment
345.10	Accessory Electric Equipment - Wind
TRANSMISSION P	LANT
353.00	Station Equipment
354.00	Towers and Fixtures
355.00	Poles and Fixtures
356.00	Overhead Conductors and Devices
359.00	Roads and Trails
DISTRIBUTION PL	
Oregon Proper	
361.00	Structures and Improvements
362.00	Station Equipment
364.00	Poles, Towers and Fixtures
367.00	Underground Conductors and Devices
368.00	Line Transformers Overhead Services
369.10	Overnead Services



369.20 373.00

Street Lighting and Signal Systems

Underground Services

		J
Washington	Property	
360.20	Land Rights	
361.00	Structures and Improvements	
362.00	Station Equipment	
364.00	Poles, Towers and Fixtures	
366.00	Washington Property	
367.00	Underground Conductors and Devices	
368.00	Line Transformers	
369.10	Overhead Services	
369.20	Underground Services	
373.00	Street Lighting and Signal Systems	
373.00	Street Lighting and Signal Systems	
Wyoming Pro	pperty	
361.00	Structures and Improvements	
362.00	•	
	Station Equipment	
364.00	Poles, Towers and Fixtures	
366.00	Underground Conduit	
367.00	Underground Conductors and Devices	
368.00	Line Transformers	
369.10	Overhead Services	
369.20	Underground Services	
373.00	Street Lighting and Signal Systems	
373.00	Street Lighting and Signal Systems	
California Pro	pperty	
360.20	Land Rights	
361.00	Structures and Improvements	
362.00	Station Equipment	
367.00	Underground Conductors and Devices	
368.00	Line Transformers	
369.10	Overhead Services	
373.00	Street Lighting and Signal Systems	
0.0.00	ou ou <u>anglian</u> orginal of orginal	
Utah Propert	У	
361.00	Structures and Improvements	
362.00	Station Equipment	
00=.00		
Idaho Proper	ty	
360.20	Land Rights	
362.00	Station Equipment	
002.00	Otation Equipment	
GENERAL PLAI	NT	
Oregon Prop	ertv	
390.00	Structures and Improvements	
	·	
392.01	Transportation Equipment - Light Trucks and Vans	
392.05	Transportation Equipment - Medium Trucks	
392.09	Transportation Equipment - Trailers	
396.03	Light Power Operated Equipment	
306.07	Heavy Power Operated Equipment	



396.07

Heavy Power Operated Equipment

Washington Prop 390.00 392.01 392.05 392.09 396.03 396.07	Structures and Improvements Transportation Equipment - Light Trucks and Vans Transportation Equipment - Medium Trucks Transportation Equipment - Trailers Light Power Operated Equipment Heavy Power Operated Equipment
Wyoming Prope 390.00 392.01 392.05 392.09 396.03 396.07	Structures and Improvements Transportation Equipment - Light Trucks and Vans Transportation Equipment - Medium Trucks Transportation Equipment - Trailers Light Power Operated Equipment Heavy Power Operated Equipment
California Prope 392.01 392.05 392.09 396.03 396.07	erty Transportation Equipment - Light Trucks and Vans Transportation Equipment - Medium Trucks Transportation Equipment - Trailers Light Power Operated Equipment Heavy Power Operated Equipment
Utah Property 390.00 392.01 392.05 392.09 396.03 396.07	Structures and Improvements Transportation Equipment - Light Trucks and Vans Transportation Equipment - Medium Trucks Transportation Equipment - Trailers Light Power Operated Equipment Heavy Power Operated Equipment
Idaho Property 390.00 392.01 392.05 392.09 396.03 396.07	Structures and Improvements Transportation Equipment - Light Trucks and Vans Transportation Equipment - Medium Trucks Transportation Equipment - Trailers Light Power Operated Equipment Heavy Power Operated Equipment
Arizona, Colora 390.00 392.01 392.05 396.07	do and Montana Property Structures and Improvements Transportation Equipment - Light Trucks and Vans Transportation Equipment - Medium Trucks Heavy Power Operated Equipment

Account 356.00, Overhead Conductors and Devices, is used to illustrate the manner in which the study was conducted for the groups in the preceding list. Aged



plant accounting data for the overhead conductors have been compiled for the years 1924 through 2017. These data have been coded in the course of the Company's normal record keeping according to account or property group, type of transaction, year in which the transaction took place, and year in which the electric plant was placed in service. The retirements, other plant transactions, and plant additions were analyzed by the retirement rate method.

The survivor curve estimate is based on the statistical indications for the period 1924 through 2017. The Iowa 65-R3 is a reasonable fit of the original survivor curve. The 65-year service life is at the upper end of the typical average service life range of 45 to 65 years for transmission overhead conductor. The 65-year life reflects the Company's plan to replace conductor as consistently in the future as has been retired historically, which has typically been based on load demands and failure.

The service life estimates for distribution accounts in Utah and Idaho property were based on survivor curves utilizing the simulated plant balance method. The combined analyses for Account 364.00, Poles, Towers and Fixtures, is used to illustrate the manner in which simulated accounts were estimated. Unaged plant accounting data have been compiled for the years 1898 through 2017. The survivor curve estimate is based on the simulation of balances for the twenty-year period, 1998-2017. The lowa 50-R0.5 produces simulated plant balances that conform very closely to the actual book balances. Lives for electric distribution poles vary widely and are typically in the 40 to 65-year range. The 50-R0.5 is within the typical range, is consistent with Company expectations and is supported by the simulated plant balance method.

Inasmuch as production plant consists of large generating units, the life span technique was employed in conjunction with the use of interim survivor curves which reflect interim retirements that occur prior to the ultimate retirement of the major unit.



An interim survivor curve was estimated for each plant account, inasmuch as the rate of interim retirements differ from account to account. The interim survivor curves estimated for steam, hydro and other production plant were based on the retirement rate method of life analysis which incorporated experienced aged retirements for the period 1916 through 2017.

The depreciable life span estimates for power generating stations were the result of considering experienced life spans of similar generating units, the age of surviving units, general operating characteristics of the units, major refurbishing, currently approved life spans for each facility and discussions with management personnel concerning the probable long-term outlook for the units.

The depreciable life span estimate for most steam, base-load units is 44 to 65 years, which is within the typical range of life spans for such units. These life spans represent the expected depreciable life of each facility under their current configuration. Future capital expenditures can extend a facility's depreciable life, however, such changes to depreciable life would not be prudent until the capital expenditures are actually put into plant in service. The life span for most hydro facilities is over 100 years and aligned with the license date, which is a typical approach for estimating the life spans for hydro facilities. A life span of 40 years was estimated for the majority of combustion turbines and combined cycle units. Wind turbines have a 30-year life span. For wind plants that are expected to be repowered by 2020, the estimated life span ends 30 years from the repowering date.

A summary of the year in service, depreciable life span and depreciable life date for each power production unit follows:



			1 age +0 01 1+
	Major	Probable	
	Year in	Retirement	Life
Depreciable Group	Service	Date	<u>Span</u>
<u>= -p</u>			
Steam Production Plant			
Cholla Unit 4	1981	2025	44
Colstrip Unit 3	1984	2027	43
•			41
Colstrip Unit 4	1986	2027	
Craig Unit 1	1980	2025	45
Craig Unit 2	1979	2026	47
Dave Johnston Unit 1	1959	2027	68
Dave Johnston Unit 2	1960	2027	67
Dave Johnston Unit 3	1964	2027	63
Dave Johnston Unit 4	1972	2027	55
Gadsby Unit 1	1951	2032	81
Gadsby Unit 2	1952	2032	80
Gadsby Unit 3	1955	2032	77
Hayden Unit 1	1965	2030	65
Hayden Unit 2	1976	2030	54
Hunter Unit 1	1978	2042	64
Hunter Unit 2	1980	2042	62
Hunter Unit 3	1983	2042	59
Huntington Unit 1	1977	2036	59
<u> </u>	1974	2036	62
Huntington Unit 2			
Jim Bridger Unit 1	1974	2028	54
Jim Bridger Unit 2	1975	2032	57
Jim Bridger Unit 3	1976	2037	61
Jim Bridger Unit 4	1979	2037	58
Naughton Unit 1	1963	2029	66
Naughton Unit 2	1968	2029	61
Naughton Unit 3	1971	2029	48
Wyodak Plant	1978	2039	61
Blundell Unit 1	1984	2037	53
Blundell 2	2007	2037	30
Hydraulic Production Plant			
Ashton/St. Anthony	1914	2027	113
Bear River	1913	2033	120
Bend	1913	2030	117
Big Fork	1907, 1995	2053	146, 58
<u> </u>	-		,
Cutler	1914, 2008	2064	150, 56
Eagle Point	1957	2040	83
Granite	1896	2035	139
Klamath River	1903	2020	117
Klamath River - Accelerated	1918,1962	2019	101,57
Last Chance	1983	2033	50
Lifton	1913	2033	120
Merwin	1933,1993	2058	125,65



Depreciable Group	Major Year in <u>Service</u>	Probable Retirement <u>Date</u>	Life <u>Span</u>
North Umpqua	1950	2038	88
Paris	1910	2024	114
Pioneer	1897	2030	133
Prospect # 1, 2 and 4	1911	2038	127
Prospect # 3	1932	2058	126
Santa Clara	1917	2024	107
Stairs	1895	2030	135
Swift	1958	2058	100
Viva Naughton	1986	2029	43
Wallowa Falls	1925	2057	132
Weber	1911	2060	149
Yale	1953	2058	105
Other Production Plant			
Chehalis	2003	2043	40
Currant Creek	2005	2045	40
Hermiston	1996	2036	40
Lake Side Unit 1	2007	2047	40
Lake Side Unit 2	2014	2054	40
Gadsby Peakers	2002	2032	30
Dunlap - Wind	2010, 2020	2050	40, 30
Foote Creek - Wind	1999, 2020	2050	51, 30
Glenrock - Wind	2008, 2019	2049	41, 30
Goodnoe Hills - Wind	2008, 2019	2049	41, 30
High Plains/McFadden - Wind	2009, 2019	2049	40, 30
Leaning Juniper - Wind	2006, 2019	2049	43, 30
Marengo - Wind	2007, 2019	2049	42, 30
Seven Mile Hill - Wind	2008, 2019	2049	41, 30
Cedar Springs	2020	2050	30
TB Flats	2020	2050	30
Ekola Flats	2020	2050	30

Generally, the survivor curve estimates for the remainder of the accounts, were based on judgments which considered the nature of the plant and equipment, reviews of available historical retirement data and a general knowledge of the service lives for similar equipment in other electric utilities.



PART IV. NET SALVAGE CONSIDERATIONS



PART IV. NET SALVAGE CONSIDERATIONS

NET SALVAGE ANALYSIS

The estimates of net salvage by account were based in part on historical data compiled through December 2017. Cost of removal and salvage were expressed as percents of the original cost of plant retired, both on annual and three-year moving average bases. The most recent five-year average also was calculated for consideration. The net salvage estimates by account are expressed as a percent of the original cost of plant retired.

Net Salvage Considerations

The estimates of future net salvage are expressed as percentages of surviving plant in service, i.e., all future retirements. In cases in which removal costs are expected to exceed salvage receipts, a negative net salvage percentage is estimated. The net salvage estimates were based on judgment which incorporated analyses of historical cost of removal and salvage data, expectations with respect to future removal requirements and markets for retired equipment and materials.

The analyses of historical cost of removal and salvage data are presented in the section titled "Net Salvage Statistics" for the plant accounts for which the net salvage estimate relied partially on those analyses.

Statistical analyses of historical data for the period 1992 through 2017 for electric plant were analyzed. The analyses contributed significantly toward the net salvage estimates for 120 plant accounts and subaccounts, which are listed below. In some instances, the net salvage estimates were conservative (i.e., less negative) than the indications from the net salvage analysis.



Steam Production	n Plant
311.00	Structures and Improvements
312.00	Boiler Plant Equipment
314.00	Turbogenerator Units
	•
315.00	Accessory Electric Equipment
316.00	Miscellaneous Power Plant Equipment
Hydraulic Produc	tion Plant
331.00	Structures and Improvements
332.00	Reservoirs, Dams and Waterways
333.00	Waterwheels, Turbines and Generators
334.00	Accessory Electric Equipment
335.00	
	Miscellaneous Power Plant Equipment
336.00	Roads, Railroads and Bridges
Other Production	Plant
341.00	Structures and Improvements
342.00	Fuel Holders, Producers and Accessories
343.00	Prime Movers
344.00	Generators
345.00	Accessory Electric Equipment
346.00	Miscellaneous Power Plant Equipment
Transmission Pla	nt
350.20	Land Rights
352.00	Structures and Improvements
353.00	Station Equipment
353.70	Supervisory Equipment
355.00	Poles and Fixtures
356.00	Overhead Conductors and Devices
358.00	Underground Conductors and Devices
359.00	Roads and Trails
000.00	rtoddo arra rrano
Distribution Plant	
Oregon Prop	erty
361.00	Structures and Improvements
362.00	Station Equipment
362.70	Supervisory Equipment
364.00	Poles, Towers and Fixtures
365.00	Overhead Conductors and Devices
366.00	Underground Conduit
367.00	Underground Conductors and Devices
368.00	Line Transformers
369.10	Overhead Services
369.20	Underground Services
370.00	Meters
370.00	IVICICIS



371.00

373.00

Installations on Customer Premises Street Lighting and Signal Systems

Washington Pro	operty Structures and Improvements
362.00	Station Equipment
364.00	Poles, Towers and Fixtures
365.00	Overhead Conductors and Devices
366.00	Underground Conduit
367.00	Underground Conductors and Devices
368.00	Line Transformers
369.10	Overhead Services
369.20	Underground Services
370.00	Meters
373.00	Street Lighting and Signal Systems
Wyoming Prope	erty
361.00	Structures and Improvements
362.00	Station Equipment
364.00	Poles, Towers and Fixtures
365.00	Overhead Conductors and Devices
366.00	Underground Conduit
367.00	Underground Conductors and Devices
368.00	Line Transformers
369.10	Overhead Services
369.20	Underground Services
370.00	Meters
373.00	Street Lighting and Signal Systems
California Prope	erty
362.00	Station Equipment
364.00	Poles, Towers and Fixtures
365.00	Overhead Conductors and Devices
366.00	Underground Conduit
367.00	Underground Conductors and Devices
369.10	Overhead Services

Underground Services

Street Lighting and Signal Systems

Meters



369.20 370.00

373.00

Utah Property 361.00 362.00 362.70 364.00 365.00 366.00 367.00 368.00 369.00 370.00 371.00 373.00	Structures and Improvements Station Equipment Supervisory Equipment Poles, Towers and Fixtures Overhead Conductors and Devices Underground Conduit Underground Conductors and Devices Line Transformers Services Meters Installation on Customer Premises Street Lighting and Signal Systems
Idaho Property 362.00 364.00 365.00 366.00 367.00 368.00 369.00 370.00 373.00	Station Equipment Poles, Towers and Fixtures Overhead Conductors and Devices Underground Conduit Underground Conductors and Devices Line Transformers Services Meters Street Lighting and Signal Systems
General Plant	v.
Oregon Propert 390.00	y Structures and Improvements
392.01	Transportation Equipment - Light Trucks and Vans
392.05	Transportation Equipment - Medium Trucks
392.09	Transportation Equipment - Trailers
396.03	Light Power Operated Equipment
396.07	Heavy Power Operated Equipment
Maabinataa Dua	aut.
Washington Prop 392.01	Transportation Equipment - Light Trucks and Vans
392.05	Transportation Equipment - Medium Trucks
396.03	Light Power Operated Equipment
396.07	Heavy Power Operated Equipment
Wyoming Prope	arty.
390.00	Structures and Improvements
392.09	Transportation Equipment - Trailers
396.03	Light Power Operated Equipment
396.07	Heavy Power Operated Equipment



California Prope 390.00 392.01 392.05 396.03 396.07	rty Structures and Improvements Transportation Equipment - Light Trucks and Vans Transportation Equipment - Medium Trucks Light Power Operated Equipment Heavy Power Operated Equipment
Utah Property	
390.00	Structures and Improvements
392.01	Transportation Equipment - Light Trucks and Vans
392.05	Transportation Equipment - Medium Trucks
396.03 396.07	Light Power Operated Equipment Heavy Power Operated Equipment
390.07	neavy Power Operated Equipment
Idaho Property	
392.01	Transportation Equipment - Light Trucks and Vans
392.05	Transportation Equipment - Medium Trucks
392.09	Transportation Equipment – Trailers
396.03	Light Power Operated Equipment
396.07	Heavy Power Operated Equipment
Arizona Colorad	do and Montana Property
392.01	Transportation Equipment - Light Trucks and Vans
392.09	Transportation Equipment – Trailers
396.07	Heavy Power Operated Equipment

Account 353.00, Station Equipment, is used to illustrate the manner in which the study was conducted for the groups in the preceding list. Net salvage data for the period 1992 through 2017 were analyzed for this account. The data include cost of removal, gross salvage and net salvage amounts and each of these amounts is expressed as a percent of the original cost of regular retirements. Three-year moving averages for the 1992-1994 through 2015-2017 periods were computed to smooth the annual amounts.

Cost of removal has been fairly consistent during the entire twenty-six-year period. The overall cost of removal level was 16 percent with an increase to 19 percent in the most recent five years. The primary cause for the increased levels of cost of removal relates to the effort needed to remove station equipment based on various work



requirements. Gross salvage has decreased somewhat over the full period, but not too significantly. The overall average of 6 percent and the most recent five-year average of 5 percent gross salvage are fairly consistent.

The net salvage percent based on the overall period 1992 through 2017 is 11 percent negative net salvage and based on the most recent five-year period is 14 percent. The current estimate is negative 5 percent, and the data is supportive of a more negative net salvage estimate in the negative 10 to negative 15 percent range. Estimates made for most other utilities are in the negative 5 to negative 15 percent range, but some have estimates as negative as 60 percent. The net salvage estimate for station equipment is negative 10 percent, is within the range of other estimates, and reflects the levels of net salvage anticipated for this account.

The overall net salvage percent for production facilities include costs for final retirement. The calculation of the weighted net salvage percent includes costs by unit for final retirement as well as interim retirements prior to final retirement. The overall net salvage for each production facility combines the interim net salvage amount with the final dismantlement amount factored to the total plant cost. The calculation for each facility is set forth on pages VIII-2 through VIII-12 of this study.



PART V. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION



PART V. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION

GROUP DEPRECIATION PROCEDURES

A group procedure for depreciation is appropriate when considering more than a single item of property. Normally the items within a group do not have identical service lives but have lives that are dispersed over a range of time. There are two primary group procedures, namely, average service life and equal life group. In the average service life procedure, the rate of annual depreciation is based on the average life or average remaining life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to average life is more than fully recouped. Over the entire life cycle, the portion of cost not recouped prior to average life is balanced by the cost recouped subsequent to average life.

Single Unit of Property

The calculation of straight line depreciation for a single unit of property is straightforward. For example, if a \$1,000 unit of property attains an age of four years and has a life expectancy of six years, the annual accrual over the total life is:

$$\frac{\$1,000}{(4+6)}$$
 = \\$100 per year.

The accrued depreciation is:

$$$1,000\left(1-\frac{6}{10}\right)=$400.$$



Remaining Life Annual Accruals

For the purpose of calculating remaining life accruals as of December 31, 2017, the depreciation reserve for each plant account is allocated among vintages in proportion to the calculated accrued depreciation for the account. Explanations of remaining life accruals and calculated accrued depreciation follow. The detailed calculations as of December 31, 2017, are set forth in the Results of Study section of the report.

Average Service Life Procedure

In the average service life procedure, the remaining life annual accrual for each vintage is determined by dividing future book accruals (original cost less book reserve) by the average remaining life of the vintage. The average remaining life is a directly weighted average derived from the estimated future survivor curve in accordance with the average service life procedure.

The calculated accrued depreciation for each depreciable property group represents that portion of the depreciable cost of the group which would not be allocated to expense through future depreciation accruals if current forecasts of life characteristics are used as the basis for such accruals. The accrued depreciation calculation consists of applying an appropriate ratio to the surviving original cost of each vintage of each account based upon the attained age and service life. The straight line accrued depreciation ratios are calculated as follows for the average service life procedure:

$$Ratio = 1 - \frac{Average Remaining Life}{Average Service Life}$$



AMORTIZATION OF GENERAL PLANT

PacifiCorp continues to utilize amortization accounting for certain general plant accounts which is commonly referred to as General Plant Amortization or vintage pooling. These asset categories are characterized as containing many items of small unit costs with similar mortality characteristics. In addition, these assets represent a very small portion of the total asset base.

Under this method of accounting, amounts recorded as additions to Plant in Service are recorded at the vintage account level only. These amounts are being amortized over their average service lives as determined by the 1991 depreciation study and continued in the depreciation studies since 1991. When each vintage reaches an age equal to this period, the original cost is retired from utility plant in service. These procedures have eliminated the costly tracking of many small items and resulted in more effective utilization of property accounting resources. Amortization accounting is appropriate for certain General Plant accounts that represent numerous units of property, but a very small portion of total depreciable electric plant in service.

The following table lists the amortization periods presently in use:

<u>Account</u>	<u>Description</u>	<u>Life in Years</u>
391.00	Office Furniture	20
391.20	Personal Computers and Printers	5
391.30	Office Equipment	8
393.00	Stores Equipment	25
394.00	Tools, Shop and Garage Equipment	24
395.00	Laboratory Equipment	20
397.00 *	Communication Equipment	24
397.20	Communications Equipment - Mobile Radio	11
398.00	Miscellaneous Equipment	20

^{*} Assets in this account were not addressed in the 1991 study. Therefore, based on the same methodology as determined in all other amortization accounts, a 24-year amortization period was established in 2007.



These asset categories were not a part of the depreciation study, however a limited review of the amortization periods was conducted.



PART VI. RESULTS OF STUDY



PART VI. RESULTS OF STUDY

QUALIFICATION OF RESULTS

The calculated annual and accrued depreciation are the principal results of the study. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate annual depreciation accrual rates. An assumption that accrual rates can remain unchanged over a long period of time implies a disregard for the inherent variability in service lives and net salvage and for the change of the composition of property in service. The annual accrual rates were calculated in accordance with the straight line remaining life method of depreciation, using the average service life procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

The annual depreciation accrual rates are applicable specifically to the electric plant in service as of December 31, 2017. For most plant accounts, the application of such rates to future balances that reflect additions subsequent to December 31, 2017, is reasonable for a period of three to five years.

DESCRIPTION OF STATISTICAL SUPPORT

The service life and net salvage estimates were based on judgment which incorporated statistical analyses of retirement data, discussions with management and consideration of estimates made for other electric utility companies. The results of the statistical analyses of service life are presented in the section titled "Service Life Statistics".

The estimated survivor curves for each account are presented in graphical form.

The charts depict the estimated smooth survivor curve and original survivor curve(s),



when applicable, related to each specific group. For groups where the original survivor curve was plotted, the calculation of the original life table is also presented.

The analyses of net salvage data are presented in the section titled, "Net Salvage Statistics". The tabulations present annual cost of removal and gross salvage data, three-year moving averages and the most recent five-year average. Data are shown in dollars and as percentages of original costs retired.

DESCRIPTION OF DEPRECIATION TABULATIONS

A summary of the results of the study, as applied to the original cost of electric plant as of December 31, 2017, is presented on pages VI-4 through VI-21 of this report. The schedule sets forth the original cost, the book reserve, future accruals, the calculated annual depreciation amount and rate, and the composite remaining life related to electric plant.

The tables of the calculated annual depreciation accruals are presented in account sequence in the section titled "Detailed Depreciation Calculations." The tables indicate the estimated survivor curve and net salvage percent for the account and set forth, for each installation year, the original cost, the calculated accrued depreciation, the allocated book reserve, future accruals, the remaining life and the calculated annual accrual amount.

The Appendix of this report sets forth the projected summary results of the original cost as of December 31, 2020. The schedule develops the annual depreciation accrual rates based on the projected original cost, allocated book reserve, future accruals and composite remaining life utilizing the same parameters as of December 31, 2020.



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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)		7.3 7.3 7.0 7.2 6.8		0 0 0 0 0 0 4 7 8 6			7.7 7.7 7.7 7.9 7.5 8.7	8 8 8 7 . 8 8 8 8 9 8 9 8 9 9 9 9 9 9 9 9 9 9 9	∞ ∞ ∞ ∞ ∞ ⊙ ∴ ∞ ←	
AUNUAL ACCRUAL RATE (9)		9.18 8.42 9.09 8.82 8.13 8.74 8.86		5.11 5.63 6.48 4.90 7.27	5.61		4.24 5.54 7.03 4.28 5.12 5.47	3.87 8.16 7.00 7.28	5.04 5.36 4.98 4.56 5.05 5.19	6.27
CALCULATED ANNUAL ACCRUAL ACCRU AMOUNT RATI (8) (9)		125,630 5,497,254 30,900,656 5,963,588 5,584,193 357,902 48,429,223		3,210,655 6,893,611 2,540,270 458,745 32,219	13,135,500		494,863 1,812,310 904,859 300,963 12,947 3,525,942	452,876 6,021,133 916,063 316,578 7,706,650	755,647 1,521,039 176,298 137,453 49,837 2,640,274	13,872,866
FUTURE ACCRUALS (7)		920 869 39.959,764 219,461,176 41,621,481 40,479,656 2,435,307 344,878,253		31,627,648 65,136,817 24,024,987 4,505,268 299,305	125,594,025		3,896,198 13,884,918 6,966,336 2,364,154 94,259 27,208,165	3,999,523 52,916,941 7,929,297 2,794,980 67,640,741	6,721,091 13,081,337 1,469,681 1,216,348 404,874 22,899,331	117,742,237
BOOK DEPRECIATION RESERVE (6)		447 596 27,950,844 137,359,528 29,390,196 30,949,554 1,822,867 227,920,285		35,663,657 65,777,381 17,903,411 5,425,245 170,329	124,940,023		8,000,488 19,790,737 6,168,318 4,800,128 163,575 38,923,246	7,922,552 22,334,742 5,413,366 4,714,443 40,385,103	8,565,382 16,125,649 2,173,226 1,860,738 602,393 29,327,388	108,635,737
ORIGINAL COST (5)		1,388,465,38 65,298,661,22 339,829,242,37 67,630,168,43 68,816,44,16 4,094,397,99 546,902,579,55		62,889,070.34 122,349,71.76 39,185,418.35 9,388,408.86 443,050.73	234,235,666.04		11,663,418.07 32,664,810.28 12,879,366.22 7,023,805,41 252,778.01 64,514,177.99	11,688,308,90 73,776,159,82 13,081,042,08 7,362,179,54 105,907,690,34	14,986,738.72 28,356,297.22 3,556,802.89 3,016,751.34 987,516,59 50,884,106.76	221,305,975.09
NET SALVAGE PERCENT (4)		0 (5) (5) (4) (4) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7		66699			0.0000	(3) (3) (3) (3)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
SURVIVOR CURVE (3)		SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0		110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0			110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	
PROBABLE RETIREMENT DATE (2)		04-2025 04-2025 04-2025 04-2025 04-2025 04-2025		12-2027 12-2027 12-2027 12-2027 12-2027			12-2025 12-2025 12-2025 12-2025 12-2025	12-2026 12-2026 12-2026 12-2026	12-2026 12-2026 12-2026 12-2026 12-2026	
ACCOUNT (1)	STEAM PRODUCTION PLANT CHOLLA GENERATING STATION	CHOLLA UNIT 4 310.20 LAND RIGHTS 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CHOLLA UNIT 4	COLSTRIP GENERATING STATION	COLSTRIP GENERATING STATION 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANTEQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT	TOTAL COLSTRIP GENERATING STATION	CRAIG GENERATING STATION	CRAIG UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CRAIG UNIT 1	CRAIG UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL CRAIG UNIT 2	CRAIG COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CRAIG COMMON	TOTAL CRAIG GENERATING STATION

SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)	0,000 0,000 1.000 0.000	თ დ რ დ თ თ თ თ	9, 9, 9, 9, 9, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0.00 0.00 0.00 0.00 0.00 0.00 0.00
ACCRUAL RATE (9)	6.30 5.48 5.48 3.83 5.16	6.00 5.62 5.37 4.71	5.99 6.55 5.15 5.93 6.37	6.65 6.71 5.86 6.03 6.56	3.10 6.22 6.65 6.65 6.64 6.47 6.03
CALCULATED ANNUAL ACCRUAL ACCRUAL AMOUNT RAT (8) (9)	63.608 2.952.549 631.808 108.544 138 3,756,647	34,023 3,212,938 842,351 164,615 4,253,927	1,135,550 14,782,447 1,105,959 876,504 12,773 17,913,233	1,008,184 15,502,957 2,423,557 868,908 33,623 19,837,229	3,102 6,965,974 8,014,214 643,285 1,834,444 17,959,551 63,720,587
FUTURE ACCRUALS (7)	631,874 28,246,727 5,896,699 1,050,296 1,283 35,826,849	337,733 30,790,377 7,875,212 1,612,578 40,615,900	11,283,374 143,269,826 10,310,836 8,684,538 116,747 173,665,321	10,021,726 150,356,893 22,980,122 8,608,296 308,889 192,275,926	31,017 69,092,528 77,453,671 6,186,738 18,233,135 175,630,405 618,014,401
BOOK DEPRECIATION RESERVE (6)	408.121 27,809,720 6,083,138 1,895,910 1,502 36,198,391	246,041 28,662,033 8,431,433 2,018,971 39,358,478	8,253,453 91,523,481 12,035,357 6,547,573 130,663 118,490,527	5,592,884 89,774,414 20,015,651 6,229,315 308,418 121,920,682	68,953 58,661,749 56,555,784 38,78,73 10,225,915 3,288,964 132,690,108 448,658,186
ORIGINAL COST (5)	1,009,703.51 53,900,429.82 11,519,074.01 2,832.890.24 2,674.50 69,264,772.08	566 770.57 57,165,778.38 15,679,667,5 3,491,873.59 76,903,889,29	18,967,793.01 225,785,52 215,786,724,45 14,788,456.81 240,204.09	15,159,815,23 220,895,488,29 41,342,089,77 14,405,417,38 599,327,00 302,402,167,67	99,970.26 124,033.278.41 128,855,245.66 9,678,356,75 27,630,145,51 7,701,233.17 297,998,229.76
NET SALVAGE PERCENT (4)	(6) (4) (4) (6) (7) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	(6) (7) (7) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	(3) (4) (5) (6) (7)	© 4 4 © © 	o @ 4 4 @ @
SURVIVOR CURVE (3)	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0
PROBABLE RETIREMENT DATE (2)	12-2027 12-2027 12-2027 12-2027 12-2027	12-2027 12-2027 12-2027 12-2027	12-2027 12-2027 12-2027 12-2027 12-2027	12-2027 12-2027 12-2027 12-2027 12-2027	12-2027 12-2027 12-2027 12-2027 12-2027
ACCOUNT (1)	DAVE JOHNSTON GENERATING STATION DAVE JOHNSTON UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL DAVE JOHNSTON UNIT 1	DAVE JOHNSTON UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 31.200 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL DAVE JOHNSTON UNIT 2	DAVE JOHNSTON UNIT 3 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANTEQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL DAVE JOHNSTON UNIT 3	DAVE JOHNSTON UNIT 4 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 AISCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL DAVE JOHNSTON UNIT 4	DAVE JOHNSTON COMMON 310.20 LAND RIGHTS 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL DAVE JOHNSTON COMMON



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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

14.8	13.9 13.6 14.7	9; 6; 7; 7; 8; 7; 7; 7; 7; 7; 7; 7; 7; 7; 7; 7; 7; 7;	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7.47 7.42 7.81 7.81 0.0		22 4 22 1 6 2 2 1 7 2 4 4 1	22 22 22 22 24 25 25 30 10
0.33	1.67 0.97 0.71 0.49 1.30	0.09 1.48 1.53 0.53 0.51	0.60 1.58 1.93 1.96 0.57	1.39 3.10 2.49 3.57 2.59 1.98	1.57	2.02 4.85 4.00 2.31 3.42 4.65	2.12 4.96 4.36 2.12 2.81 4.57
4,050	171,199 53,203 9,961 104 238,517	942 203,224 97,543 7,498 65 309,272	7,232 218,518 146,567 49,198 269 269 421,784	162,457 43,750 11,823 110,917 9,771 338,718	1,308,291	22,799 2,272,412 204,569 23,655 8,544 2,531,979	38,652 1,181,914 196,550 28,175 6,321 1,451,612
60,131	2,385,116 721,253 146,868 1,165 3,314,533	14,057 2,818,663 1,372,098 110,831 4,316,380	107,470 3,055,813 2,065,922 728,760 3,067 5,961,032	2,391,519 620,068 161,536 1,645,092 127,190 4,945,405	18,537,350	287.207 28,288,372 2,450,085 295,826 97,235 31,418,725	488,417 14,729,484 2,365,598 363,053 69,237 18,026,789
1,355,810	9,439,032 5,531,754 1,456,947 22,223 17,805,766	1,267,910 13,018,025 5,888,746 1,506,902 13,242 21,694,825	1.277.360 12.829.943 6.606.906 2.135.531 48.557 22.898.297	11,085,607 1,002,550 380,772 1,888,504 295,143 14,682,576	77,061,464	866.288 19,537,467 2,818,785 7,0660 165,343 24,128,543	1,372,818 9,618,260 2,251,397 1,005,486 160,323
1,231,253.41	10,281,867.93 5,485,093.65 1,394,621.84 21,261.95 18,414,098.78	1,105,143.55 13,771,032.70 6,389,161.73 1,402.42 12,702.95 22,664,765.22	1,204,199,60 13,813,700.85 7,607,743,65 2,512,536,04 46,931,11 25,185,111,25	11,719,240.32 1,410,971.82 475,708.66 3,108,417.44 377,082.73 17,081,420.97	83,355,396.22	1,130,877,82 46,888,076,85 5,115,407,60 1,025,964,48 280,077,04 54,410,405,79	1,824,739.87 23,870,337.52 4,502,907.72 1,331,900.75 225,059.01 31,754,944.87
(15)	(15) (14) (15) (10)	(16) (15) (14) (10)	(15) (15) (14) (14) (10)	(15) (14) (14) (12)		(2) (3) (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	 \$\(\beta\)\(\overline{\pi}\)\(\overline{\pi}\)
110-80.5	65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0		110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0
12-2032	12-2032 12-2032 12-2032 12-2032	12-2032 12-2032 12-2032 12-2032 12-2032	12-2032 12-2032 12-2032 12-2032 12-2032	12-2032 12-2032 12-2032 12-2032 12-2032		12-2030 12-2030 12-2030 12-2030 12-2030	12-2030 12-2030 12-2030 12-2030 12-2030
GADSBY GENERATING STATION GADSBY UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS		GADSBY UNIT 2 31.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GADSBY UNIT 2	GADSBY UNIT 3 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GADSBY UNIT 3	GADSBY COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANTFGUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GADSBY COMMON	TOTAL GADSBY GENERATING STATION HAYDEN GENERATING STATION	HAYDEN UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNIT 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HAYDEN UNIT 1	HAYDEN UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HAYDEN UNIT 2
	PROVEMENTS 12-2032 110-80.5 (15) 1,231,283.41 1,355.810 60,131 4,050 0,33	PROVEMENTS 12-2032 110-S0.5 (15) 1,231,253,41 1,356,810 60,131 4,050 17,139 12-2032 65-L0.5 (15) 10,281,867,93 9,439,032 2,336,116 171,139 17,203 50-S0 (14) 5,485,093.65 5,531,754 721,253 53,203 1,250,32 45-L0 (10) 18,414,086,78 17,805,76 3,314,533 238,517	PROVEMENTS 12-2032 (16) (15) 1,231,253.41 1,355.810 60,131 4,050 0.33 MENT MENT 12-2032 66-L0.5 (16) 10,281,867,93 9,439,032 2,385,116 171,199 1,67 JUNITS 12-2032 66-L0.5 (15) 1,281,263.84 1,456,947 446,888 9,61 1,17,199 1,67 WER PLANT EQUIPMENT 12-2032 45-L0 (10) 1,105,143,55 1,267,910 1,468,887 1,166 0,49 UNIT 1 12-2032 16 1,105,143,55 1,267,910 14,658 9,61 1,16 MENT 12-2032 66-L0.5 (16) 1,105,143,55 1,267,910 14,658 9,61 1,130 MENT 12-2032 66-L0.5 (15) 1,105,143,55 1,206,190 3,132,08 9,53 1,48 MINTS 12-2032 66-L0.5 (15) 1,105,143,55 1,206,190 1,105,140 1,105,140 1,105,140 1,105,140 1,105,140 1,105,140 <th> PROVEMENTS 12,2002 110-50.5 (15) 1,231,253.4 1,356.810 60,131 4,050 0.33 </th> <th>PROVEMENTS 12,2022 (16) (1231,255,41 1,365,810 60131 4,060 0.33 MIRIT 12,2022 (6-L) 5 (16) 1,231,255,41 1,365,810 60131 4,060 0.33 MIRIT 12,2022 (16) (16) 1,231,255,41 1,466,422 2,236,516 1,671,199 1,771,199 0.77 UNIT I 12,2022 (16) (17,11,100,100) 1,105,443,526 1,275,209 1,465,743 0.74 0.46 UNIT I 12,2022 (16) (17,11,100,100) 1,105,443,526 1,275,209 1,465,743 1,465,743 0.74</th> <th> PROVEMENTS 12-2022 110-5015</th> <th> PROVENENTS 12,2022 110,501.5 (15) 1,231,253.4 1,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 0 1,131,556.5 0 0 0 0 0 0 0 0 0 </th>	PROVEMENTS 12,2002 110-50.5 (15) 1,231,253.4 1,356.810 60,131 4,050 0.33	PROVEMENTS 12,2022 (16) (1231,255,41 1,365,810 60131 4,060 0.33 MIRIT 12,2022 (6-L) 5 (16) 1,231,255,41 1,365,810 60131 4,060 0.33 MIRIT 12,2022 (16) (16) 1,231,255,41 1,466,422 2,236,516 1,671,199 1,771,199 0.77 UNIT I 12,2022 (16) (17,11,100,100) 1,105,443,526 1,275,209 1,465,743 0.74 0.46 UNIT I 12,2022 (16) (17,11,100,100) 1,105,443,526 1,275,209 1,465,743 1,465,743 0.74	PROVEMENTS 12-2022 110-5015	PROVENENTS 12,2022 110,501.5 (15) 1,231,253.4 1,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 1,131,556.5 0 0 0 1,131,556.5 0 0 0 0 0 0 0 0 0

3.15

40,577,718

907,746,195

486,505,154

1,288,983,083.08

PACIFICORP

SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)	12.3 12.3 12.3 10.6 6.0		23.6 22.6 21.5 23.6 18.3	23.7 22.5 21.5 23.5	23.7 21.6 21.9 23.5 18.8	23.6 22.1 20.9 24.2 18.2	25.0 23.8 22.1 21.1 24.4 20.3
ACCRUAL RATE (9)	4.76 3.57 4.69 2.06 2.83 4.19	4.52	2.19 3.59 3.49 2.58 3.10	2.27 3.54 3.52 2.38 3.39	2.28 3.06 3.72 2.34 3.20	2.22 3.32 3.27 3.17 3.06	1.92 2.38 3.34 3.40 3.77 2.59
CALCULATED ANNUAL ACCRUAL ACCRUAL AMOUNT RATI (8) (9)	708,801 448,006 11,801 4,240 4,654 1,177,502	5,161,093	506,520 9,398,768 2,297,732 8,732 8,732 24,863 13,107,113	282,793 5,897,438 1,610,613 397,624 8,188,468	1,268,271 9,091,064 3,145,802 1,276,238 52,287 14,833,662	209,289 394,676 126,392 3,231 25,181	4,723 2,642,641 931,694 41,306 51,712 17,630 3,689,706
FUTURE ACCRUALS (7)	9,137,640 5,465,659 144,827 52,862 50,868 14,851,846	64,297,360	11,952,942 212,102,491 49,313,021 20,5312 454,199 294,590,965	6,700,459 132,780,675 34,679,433 9,324,593 183,488,160	30,089,565 196,787,100 68,840,137 29,968,747 981,315 326,636,864	4,946,790 8,730,918 2,647,379 78,040 458,649 16,861,776	118,079 62,930,390 20,631,830 871,633 1,282,007 367,491 86,171,430
BOOK DEPRECIATION RESERVE (6)	5,907,166 7,463,565 111,988 157,344 117,102	52,293,992	12,981,825 70,432,245 21,1851,930 15,636,661 388,452 121,291,113	6,760,445 46,987,053 14,796,967 8,550,683 77,095,148	30,094,730 127,155,676 22,497,723 28,511,040 733,950 208,993,119	5,213,693 4,218,597 1,524,615 29,882 406,448	128,259 56,801,192 9,772,619 441,905 455,229 133,335 67,732,539
ORIGINAL COST (5)	14,885,847,59 12,552,644,25 26,1,779,69 206,074,98 164,676,61 28,071,023,12	114,236,373.78	23,087,746,97 261,606,237,44 66,893,472,99 34,023,88,80 802,524,57 385,413,320,77	12,463,799,68 166,451,599,78 45,811,481,65 16,705,865,55 241,432,746,57	55,726,198,77 297,167,684,88 84,572,092,21 54,654,006,81 1,633,585,53 493,753,588,20	9,407,855.06 11,880,289.11 3,682,957.70 101,813.37 26,076,817.17	246,337 54 110,862,576.37 27,883,901.15 1,6716,288,53 1,620,033,99 467,453,79 142,306,630.37
NET SALVAGE PERCENT (4)	58888		£ (2) (3) (3) (3)	(3 (8 (8) (2) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8	(8) (9) (7) (5)	(2) (8) (8) (8) (8) (8)	0 (8) (8) (9) (9)
SURVIVOR CURVE (3)	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0		110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0
PROBABLE RETIREMENT DATE	12-2030 12-2030 12-2030 12-2030 12-2030		12-2042 12-2042 12-2042 12-2042 12-2042	12-2042 12-2042 12-2042 12-2042	12-2042 12-2042 12-2042 12-2042 12-2042	12-2042 12-2042 12-2042 12-2042 12-2042	12.2042 12.2042 12.2042 12.2042 12.2042
ACCOUNT (1)	HAYDEN COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HAYDEN COMMON	TOTAL HAYDEN GENERATING STATION HUNTER GENERATING STATION	HUNTER UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTER UNIT 1	HUNTER UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBGGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL HUNTER UNIT 2	HUNTER UNIT 3 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTER UNIT 3	HUNTER UNITS 1 AND 2 COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTER UNITS 1 AND 2 COMMON	HUNTER UNITS 1, 2 AND 3 COMMON 310.20 LAND RIGHTS 31.00 BOILER PLANT EQUIPMENT 314.00 STRUCTURES AND IMPROVEMENT 314.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTER UNITS 1, 2 AND 3 COMMON
	Charles and American American						

TOTAL HUNTER GENERATING STATION

PACIFICORP

SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)	18.2 17.7 17.1 18.2 16.1	481 4.57 8.68 7.88 8.78 8.78	18.4 17.7 16.1 18.7	10.8 10.5 10.7 7.01 8.5	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1.91 1.86 1.86 1.86 1.86 1.86 1.86
ACCRUAL RATE (9)	2.47 4.20 4.12 2.74 4.20	2.95 3.99 3.87 3.26 3.90 3.84	2.93 4.22 3.40 4.07 4.55 3.37 3.85	3.30 6.99 7.99 8.36 8.5 8.5 8.5	2.72 4.43 5.12 2.91 3.51 4.45	2.40 4.23 3.94 2.58 3.22 4.08
CALCULATED ANNUAL ACCRUAL ACCRUAL AMOUNT RAT (8) (9)	490,250 12,007,216 2,494,338 548,171 51,678 15,591,643	774,337 9,735,767 2,246,438 775,794 37,836	2,312,928 1,504,980 2,33,599 156,434 31,228 4,239,149	509,582 8,173,135 2,605,634 363,500 12,065 11,663,916	349,548 7,657,966 3,061,698 267,093 6,963 11,343,268	310,309 10,975,888 1,736,998 200,205 6,196
FUTURE ACCRUALS (7)	8,934,806 212,069,397 42,670,837 9,955,777 8,1380 274,462,797	14,283,495 17,718,640 37,805,522 14,320,857 237,726,376	42,623,618 26,573,097 3,769,931 2,927,584 513,534 76,407,764 588,596,937	5,480,327 85,627,722 27,153,112 3,844,715 112,703 122,260,079	5,070,762 107,605,397 42,975,573 3,847,528 85,917	5,927,902 203,934,828 30,872,406 3,792,908 95,562 244,623,606
BOOK DEPRECIATION RESERVE (6)	12.531,027 96.419,055 22,776,978 11,480,334 1480,531 143,688,245	13,773,947 92,881,527 24,945,174 11,124,013 421,962 143,246,623	41,765,580 11,973,860 3,648,462 1,143,989 207,822 58,739,713 345,654,581	10,890,798 8,072,690 2,1885,659 7,488,813 2,14,710 128,552,670	8,535,173 77,248,718 20,423,812 5,887,360 122,489	7,931,502 7,3591,270 16,352,072 4,437,815 106,547
ORIGINAL COST (5)	19.875,771.48 285,637,455,74 60,599,828.45 20,033,655.55 1,231,326,75 387,378,073.89	26,221,908.41 244,168.820.97 58,102,466.24 23,780,251.95 971,260,90	78,868,409,31 50,601,626,66 6,688,822,79 3,841,106,38 687,005,62 125,957,030,76	15,444,457.12 163,868,313.29 46,282,991.29 10,881,455.56 313,727.10 236,720,944.36	12,835,787.27 172,760,885.57 59,810,740.93 9,183,866.22 198,482.09 254,789,722.08	12,952,713.64 259,370.184,73 44,155,006.54 7,764,833.16 192,485,09 324,415,243.16
NET SALVAGE PERCENT (4)	8886	(2)	C 8 8 9 9 1	©©©©©	(2) (3) (6) (5)	(2) (2) (3) (9) (9)
SURVIVOR CURVE (3)	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0
PROBABLE RETIREMENT DATE (2)	12-2036 12-2036 12-2036 12-2036 12-2036	12-2036 12-2036 12-2036 12-2036 12-2036	12-2036 12-2036 12-2036 12-2036 12-2036	12-2028 12-2028 12-2028 12-2028 12-2028	12-2032 12-2032 12-2032 12-2032 12-2032	12-2037 12-2037 12-2037 12-2037 12-2037
ACCOUNT (1)	HUNTINGTON GENERATING STATION HUNTINGTON UNIT 1 31.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TREBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTINGTON UNIT 1	HUNTINGTON UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTINGTON UNIT 2	HUNTINGTON COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTINGTON COMMON	JIM BRIDGER GENERATING STATION JIM BRIDGER UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ANGELLANDEOUS POWER PLANT EQUIPMENT 316.00 MISCELLANDEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER UNIT 1	JIM BRIDGER UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER UNIT 2	JIM BRIDGER UNIT 3 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER UNIT 3



PACIFICORP
SUMMARY OF ESTIMATED SURVIVOR CURVES NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

FIREGRAPS	REMAINING LIFE (10)	19.1 18.6 17.5 18.9 5.7	20.0 194.0 178.1 19.3 19.3 17.4			2	## ## ## ## ## ## ## ## ## ## ## ## ##	11.8 11.2 11.2 10.1	2	
N N	ACCRUAL RATE (9)	2.40 4.24 3.70 2.48 3.21 3.92	2.02 3.00 3.61 4.03 3.18 4.77	4.15		5.35 6.63 5.86 6.36 4.16 6.40	6.30 6.34 5.97 6.25 4.28	3.93 5.15 5.58 4.36 4.29 5.11	2.77 5.50 5.36 5.74 5.71 6.52	5.90
CALCIII ATED	ACCRUAL ACCRUAL AMOUNT RATE (8) (9)	959,098 12,400,744 1,685,617 417,136 40,129 15,502,724	5,665 1,997,242 3,185,985 362,063 527,109 140,571 6,218,635	57,958,139		1,134,097 10,174,654 1,212,166 1,332,665 3,991 13,857,573	1,848,755 11,571,143 1,435,422 1,886,586 16,638 16,638	558,678 7,548,017 2,180,724 498,310 8,843 10,794,572	3,336,403 1,941,142 74,512 205,130 106,902 5,664,505	47,075,194
	FUTURE ACCRUALS (7)	18,346,169 220,593,851 29,554,796 7,902,881 620,127 286,817,824	113.291 38.771,324 57.784,054 6,485,35 10,163,358 2,449,425	929,053,673		13,467,935 117,797,447 13,573,241 15,643,983 39,429 160,722,035	22,016,541 133,643,924 16,203,913 22,450,906 168,610	6,565,082 88,616,994 24,483,213 5,841,876 89,403 122,596,568	4,993 29,596,094 22,074,358 843,000 2,434,987 1,178,207 66,131,639	543,934,136
NOOR N	DEPRECIATION RESERVE (6)	24,358,517 82,397,100 19,196,817 9,900,015 690,850 136,543,299	167.820 31.866.353 36.677.837 3,131.182 7,421,860 643,099 79,907,551	559,640,278		9,622,256 49,600,365 8,986,511 7,006,100 63,172 75,278,404	9,988,184 65,202,677 9,988,104 10,102,389 247,483 95,558,837	8,789,291 72,522,008 17,713,352 6,512,982 133,406 105,671,539	10,023 26,527,041 17,783,173 573,149 1,483,341 593,352 46,980,079	323,488,859
	ORIGINAL COST (5)	39,910,921.16 292,327,991.65 45,562,263.38 16,795,185,05 1,248,549,58 395,844,902.82	281.111.10 66.639,317.91 88.282,141.47 8.987.565.66 16.589,262.63 2.945.261.07 183,724,679.84	1,395,495,492.26		21,183,661.39 153,575,974.49 20,8637,020.27 20,963,379.01 95,888.80 216,515,923.76	29,362,133.06 182,428,075.00 24,029,373.81 30,169,77.39 388,871.65 266,378,170.91	14,217,011.61 146,425,465.03 39,070 893.87 11,439,683.73 206,305,08 211,359,359,32	15 015 87 60,663,426 84 36,243,209 67 1,299,219.18 3,584,795,39 1,640,331,97	797,709,453.45
H L Z	SALVAGE PERCENT (4)	(5) (3) (3)	(5) (2) (6) (9)			6 6 6 6 6	(6) (6) (8) (2)	(8) (8) (8)	0 6 (0 (6 (6 (8 (8 (8 (8 (8 (8 (8 (8 (8 (8 (8 (8 (8	
	SURVIVOR CURVE (3)	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0			110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	
PRORABI	RETIREMENT DATE (2)	12-2037 12-2037 12-2037 12-2037 12-2037	12.2037 12.2037 12.2037 12.2037 12.2037			12-2029 12-2029 12-2029 12-2029	12-2029 12-2029 12-2029 12-2029 12-2029	12.2029 12.2029 12.2029 12.2029 12.2029	12.2029 12.2029 12.2029 12.2029 12.2029	
	ACCOUNT (1)	JIM BRIDGER UNIT 4 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLAYIT GLUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER UNIT 4	JIM BRIDGER COMMON 310.20 LAND RIGHTS 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC GOULPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER COMMON	TOTAL JIM BRIDGER GENERATING STATION	NAUGHTON GENERATING STATION	NAUGHTON UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL NAUGHTON UNIT 1	NAUGHTON UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL NAUGHTON UNIT 2	NAUGHTON UNIT 3 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLIER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT TOTAL NAUGHTON UNIT 3	NAUGHTON COMMON 310.20 LAND RIGHTS 31.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLAYIT GLUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL NAUGHTON COMMON	TOTAL NAUGHTON GENERATING STATION



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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)	22.0 21.0 19.9 19.1 11.1 18.1		19.3 17.7 17.3 19.2 16.3	19.7 18.6 18.2 19.7	20.0 19.7 18.8 19.8 17.7	19.7 18.6 19.7 15.7	
ACCRUAL RATE (9)	2.25 2.25 3.39 3.45 3.91	3.22	2.68 3.23 3.62 2.73 3.74	3.96 4.31 4.19 3.81 4.41	1.64 3.60 4.24 4.47 4.95	4.11 4.34 4.42 3.32 4.12	3.25
CALCULATED ANNUAL	3,104 1,183,512 10,652,920 2,308,588 745,582 50,246	14,943,952	178,002 428,051 643,606 137,643 26,479 1,411,781	27,296 344,883 688,935 93,421 24,025 1,178,560	671,354 9,022 1,593,515 46,224 6,187 2,326,302	30,422 11,734 1,871 2,483 46,510	4,963,153 344,546,680
FUTURE ACCRUALS (7)	68,289 24,986,591 211,875,003 44,006,879 15,116,079 924,645	297,549,486	3,434,250 7,520,799 11,140,886 2,640,997 432,612 25,169,544	537,252 6,418,704 12,511,731 1,837,593 410,100 21,715,380	13,427,099 177,819 29,989,075 913,848 109,328 44,617,169	599,593 218,597 36,929 39,038 894,157	92,396,250
BOOK DEPRECIATION RESERVE (6)	96,508 29,666,605 121,141,610 26,827,120 14,049,136 399,586	192,171,125	3,811,151 7,142,094 8,414,707 2,858,494 324,607 22,551,053	214,164 2,387,692 5,407,208 812,443 173,344 8,994,851	27,554,811 90,498 10,614,308 192,313 23,280 38,475,210	207,274 79,085 8,790 40,955 336,104	70,357,218
ORIGINAL COST (5)	164,796.80 52,514,611.28 314,166,615.59 66,824,527.16 28,820,937.31 1,285,660.94	463,577,149.08	6,647,157.15 13,209,813.07 17,777,812.05 5,045,494.31 707,680.85 43,387,887,43	689,372,12 8,005,814,53 16,439,393,14 2,483,737,00 545,275,12 28,133,591,91	40,981,910,43 250,763.16 37,596,724.57 1,033,795.62 125,101,43 79,987,295.21	740,245.01 270,620.15 42,332.23 74,760.16	152,636,712.10 7,192,830,756.45
NET SALVAGE PERCENT (4)	o द े © © दे ऌ		(9) (11) (10) (9) (7)	(9) (10) (9) (8) (7)	0 (2) (9) (9)	(9) (10) (8) (7)	1 11
SURVIVOR CURVE	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0		110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	SQUARE 110-S0.5 65-L0.5 80-R2.5 45-L0	110-S0.5 65-L0.5 80-R2.5 45-L0	
PROBABLE RETIREMENT DATE (2)	12-2039 12-2039 12-2039 12-2039 12-2039		12-2037 12-2037 12-2037 12-2037	12-2037 12-2037 12-2037 12-2037	12-2037 12-2037 12-2037 12-2037	12-2037 12-2037 12-2037 12-2037	
ACCOUNT (1)	WYODAK GENERATING STATION WYODAK PLANT 310.20 LAND RIGHTS 31.00 STRUCTURES AND IMPROVEMENTS 31.00 BOILER PLANT EQUIPMENT 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT	TOTAL WYODAK GENERATING STATION BLUNDELL GENERATING STATION	BLUNDELL GEOTHERMAL UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 UURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BLUNDELL GEOTHERMAL UNIT 1	BLUNDELL GEOTHERMAL UNIT 2 31.00 STRUCTURES AND IMPROVEMENTS 31.2.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BLUNDELL GEOTHERMAL UNIT 2	BLUNDELL GEOTHERMAL STEAM FIELD 310.20 LAND RIGHTS 311.00 STRUCTURES AND IMPROVEMENTS 315.00 BOILER PLANT EQUIPMENT 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BLUNDELL GEOTHERMAL STEAM FIELD	BLUNDELL GEOTHERMAL COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BLUNDELL GEOTHERMAL COMMON	TOTAL BLUNDELL GENERATING STATION TOTAL DEPRECIABLE STEAM PRODUCTION PLANT



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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

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ACCOUNT (1)	310.30 WATER RIGHTS DAVE JOHNSTON GADSBY HUNTER HUNTINGTON JIM RRIDGER NAUGHTON WYODAK TOTAL WATER RIGHTS	TOTAL STEAM PRODUCTION PLANT	HYDRAULIC PRODUCTION PLANT	ASHTONUST. ANTHONY 330.20 LAND RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC COLIPMENT 336.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL ASHTONIST. ANTHONY	BEAR RIVER 330.20 LAND RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 332.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC GUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RALIROADS AND BRIDGES TOTAL BEAR RIVER	BEND 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 335.00 ROADS, RAILROADS AND BRIDGES TOTAL BEND	BIG FORK 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL BIG FORK
PROBABLE RETIREMENT DATE (2)				12.2027 12.2027 12.2027 12.2027 12.2027 12.2027	12-2033 12-2033 12-2033 12-2033 12-2033 12-2033	12.2030 12.2030 12.2030 12.2030 12.2030	12-2053 12-2053 12-2053 12-2053 12-2053
SURVIVOR CURVE (3)				SQUARE 125-R1 125-R1 95-S0 70-L0 75-R0.5	SQUARE 125-R1 125-R1 95-S0 70-L0 75-R0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5	125-R1 125-R1.5 95-S0 70-L0
NET SALVAGE PERCENT (4)				<u>- EEQEEE</u>	o ପି ପି ପି ପି ପି ପି	E E 4 2 E 0	© (() () () () () () () () () (
ORIGINAL COST (5)	9,700,996.61 8,138.01 24,271,831.30 1,471,639.00 171,270.00 171,270.00 173,496.80 35,638,062.69	7,228,468,819.14		328,066.33 2,020,276.51 28,171,738.09 2,016,784.91 1,362,260.61 8,192.17 5,524.92 33,912,833.54	5,879.43 6,162.778.90 31,072.147.42 14,644,195.21 5,767.786.36 81,954.00 1,015,387.58 58,750,058.90	95,269,32 1,225,529,37 106,934,66 627,584,39 15,383,82 1714,40 2,070,875,96	762,229.70 5,240,995.62 1,585,607.13 402,562.39 234,285.04 8,225,699.88
BOOK DEPRECIATION RESERVE (6)	2,534,227 12,995 10,839,179 981,841 96,463 7,722 14,473,059	3,031,799,962		36,934 628,063 6,001,228 824,789 479,331 3,615 1,188 7,975,148	4,471 2,547,133 13,666,214 5,323,498 2,069,662 4,348 381,210 24,069,533	82,192 706,339 111,212 640,136 15,538 1,555,602	336,666 2,593,493 860,436 184,734 92,146 4,057,475
FUTURE ACCRUALS (7)		4,648,340,303		291,132 1,412,416 22,452,227 1,232,332 896,542 4,569 4,569 26,293,700	1,408 3,738,901 17,997,380 9,760,023 3,813,429 3,813,429 654,465 654,465 36,001,032	14,030 531,445 0 0 0 545,475	448,431 2,857,143 846,164 237,946 153,853 4,543,537
CALCULATED ANNUAL ACCRUAL ACCRUAL AMOUNT RAT (8) (9)		344,546,680		29,113 143,170 2,653,582 126,527 94,135 94,135 448 444 2,657,457	239,451 1,147,138 626,410 224,865 2,365 2,316,721 2,316	1,094 41,294 0 0 0 0 42,388	13,070 82,467 22,431 7,808 4,487 133,263
AUNUAL ACCRUAL RATE (9)		4.77		8.87 7.09 8.03 6.91 6.91 5.93 7.84	1.51 3.89 3.89 3.69 4.28 4.28 4.11 1.99 4.00	1.15	1.77 1.57 1.60 1.94 1.92
COMPOSITE REMAINING LIFE (10)				0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	15.8 15.6 15.6 15.0 15.0 15.0	12.8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

PACIFICORP SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)	45.8 43.7 44.7 42.6 37.5 37.6	- 22.4 22.3 22.3 21.1 22.5	17.6 17.7 17.2 16.4	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000
E AL	1.22 - 0.91 1.15 1.79 0.70 0.70	1.53 0.63 0.01 2.38 0.89	3.20 2.68 2.07 2.67 1.56	6, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8,	4.08 1.08 8.22 8.22 10.77 6.18 6.18 9.16
CALCULATED ANNUAL ACCRUAL ACCRI AMOUNT RAT (8) (9)	8 0 0 36,798 122,530 193,955 48,606 4,161 4,161 406,142	2,838 7,706 17 3,020 3,4241 17,822	17,515 101,563 14,934 5,803 5,803 139,837	42,251 12,141 8,5827 642,493 28,649 77,893 3,780 16,420 909,454	1,670 4.2 1,779,323 3,055,381 1,448,965 1,760,181 11,396 230,187 8,287,145
FUTURE ACCRUALS (7)	366 0 0 1,609,136 5,482,653 8,266,918 1,822,709 175,101 175,101	0 63,476 172,802 379 63,750 95,447 395,884	308,028 1,794,236 256,230 95,279 358 2,454,131	126,753 36,424 256,454 1,920,486 85,294 230,809 11,154 48,974 2,716,348	3,340 84 3,558,648 6,110,764 2,287,225 3,520,383 460,376 16,574,281
BOOK DEPRECIATION RESERVE (6)	290 4,818 90,968 2,641,703 5,927,314 4,856,609 1,060,484 88,640 15,078,638	12,122 125,636 1,081,834 268,770 86,401 1,659,918	250,129 2,065,939 4,93,330 128,293 1,080 2,938,741	512,240 216,086 731,560 9,948,332 262,855 674,336 50,435 50,535 192,101 12,588,154	37,601 946 12,503,943 31,070,958 15,121,829 12,818,777 2,230,277 73,945,883
ORIGINAL COST (5)	655.72 4,818.31 90,968.42 4,048.47.68 10,663,520.12 12,030,788.93 2,719,993.34 1,1124.11 592,092.38 30,162,349.01	12,122,48 185,404.41 1,230,035,75 251,541.42 144,568,34 178,261,91 2,001,954,31	547,213.14 3,784,484.88 720,702.06 217,080.22 1,409.81	638,992,96 252,509,75 988,014,39 11,868,838,13 344,701,61 905,134,83 61,787,58 241,074,81	40,941,30 1,029,50 16,082,891,44 37,181,721,68 18,019,753,58 16,339,089,76 18,4402,75 2,690,652,64 90,520,162,65
NET SALVAGE PERCENT (4)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 3 3 5 0	(2) (3) (4) (5) (5) (6) (7)	0000Ê000	0000000
SURVIVOR CURVE (3)	SQUARE SQUARE SQUARE 125-R1 125-R1 125-R1 75-R0 70-L0 75-R0.5 100-S0.5	SQUARE 125-R1 125-R1.5 95-S0 70-L0 100-S0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5	SQUARE SQUARE 125-R1.5 95-S0 70-L0 75-R0.5	SQUARE SQUARE SQUARE SQUARE SQUARE SQUARE SQUARE
PROBABLE RETIREMENT DATE (2)	12.2064 12.2064 12.2064 12.2064 12.2064 12.2064 12.2064 12.2064	12-2040 12-2040 12-2040 12-2040 12-2040	12-2035 12-2035 12-2035 12-2035 12-2035	12-2020 12-2020 12-2020 12-2020 12-2020 12-2020 12-2020	12.2019 12.2019 12.2019 12.2019 12.2019 12.2019
ACCOUNT (1)	CUTLER 330.20 WATER RIGHTS 330.30 WATER RIGHTS 330.40 WATER RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, PALIROADS AND BRIDGES TOTAL CUTLER	EAGLE POINT 330.20 LAND RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 ROADS, PALILROADS AND BRIDGES TOTAL EAGLE POINT	GRANITE 331.00 STRUCTURES AND IMPROVEMENTS 322.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENEATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GRANITE	KLAMATH RIVER 330.20 LAND RIGHTS 330.40 FLOOD RIGHTS 33.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMIS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC ROUDIMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL KLAMATH RIVER	KLAMATH RIVER - ACCELERATED 330.20 LAND RIGHTS 330.40 FLOOD RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 WATERWHEELS, TURBINES AND GENERATORS 332.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RALLROADS AND BRIDGES TOTAL KLAMATH RIVER ACCELERATED



PACIFICORP SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)	55 75.7 6.45 4.9	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	20.5 20.5 20.5 19.3 20.4 4	Ø ' ' Ø '	2.5.0 2.2.0 2.2.7.2.2 2.2.4.4.4.6.9
E AE	1.79 2.15 2.71 3.10 1.50	1.60 2.63 3.02 4.23 4.20 4.20 3.56	0.70 0.68 2.19 2.02 1.63 2.14 2.14 2.13	3.51 3.50 3.49 4.02 3.19 3.42 3.53	2.45	1.14 1.14 3.66 3.06 5.08 5.08 5.21 5.21
CALCULATED ANNUAL ACCRUAL ACCR AMOUNT RAT (8) (9)	8,047 20,621 32,167 34,53 8,453 979 70,267	333 403 32,661 249,662 33,544 16,629 591 9498 643,425	2,105 1,436 2,100,203 613,020 134,446 2,58,396 3,567 9,2773 3,206,006	1,214,437 6,981,726 893,685 787,919 23,002 334,426 10,235,195	2,688 0 0 370 3,058	105 1,259 19,598 250,921 70,482 49,108 277 2,77 3,199 394,949
FUTURE ACCRUALS (7)	125,633 324,120 500,382 125,886 15,052 1,091,073	5,344 6,455 503,574 3,903,147 5,205,178 247,708 9,009 149,527 10,030,542	86,332 58,874 81,477,466 23,938,970 4,755,992 8,776,599 125,892 3,681,833 122,801,758	24,791,655 143,455,050 18,011,115 15,179,330 447,542 6,813,808 208,698,500	18,655 0 2,544 2,1,199	1,368 16,372 249,881 3,210,097 897,281 608,051 3,438 41,173
BOOK DEPRECIATION RESERVE (6)	327,245 643,001 720,225 152,216 52,193 1,894,880	15,415 17,675 760,834 4,546,195 2,834,42 170,389 3,175 80,306 84,332,731	214,178 153,406 17,427,222 7,862,278 4,846,119 2,123,782 47,371 1,029,568 33,342,324	10.473.010 60.046.033 8.637.957 5.008.537 281.433 3.271.379 87,718.349	92,281 113,433 74,718 161,360 417 442,209	7,879 94,434 290,382 5,077,261 750,933 37,992 6,260 6,6025,956 6,625,956
ORIGINAL COST (5)	448,394,01 957,545,13 1,185,055,27 272,649,23 65,266,71 2,928,930,35	20,758.93 24,129.94 1,239.615.98 8,284,266.36 7,886,196.36 409,899.28 12,063.43 225,326.60 18,102,246.88	300,510,01 212,229,74 96,023,978,97 30,286,902,64 8,250,277,56 10,381,315,66 11,381,315,66 4,350,388,94 149,973,850,04	34,573,200,57 199,510,886.29 25,624,108.02 19,599,870,55 771,757.22 9,791,443.64 289,821,245,29	109,837,83 112,310,34 73,253,33 162,281,25 417,22 458,099,97	9,247,48 110,805,67 534,893,57 8,205,304,92 1,615,886,40 9,607,090 9,607,090 9,601,69 61,394,46
NET SALVAGE PERCENT (4)	38333	୦୦ ପି ପି ପି ପି ଚି ପି	(9,3,5,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	994 <u>6</u> 56	0(1(2)(1)	oo998999
SURVIVOR CURVE (3)	125-R1 125-R1.5 95-S0 70-L0	SQUARE SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5	SQUARE SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5	SQUARE SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5
PROBABLE RETIREMENT DATE (2)	12-2033 12-2033 12-2033 12-2033 12-2033	12-2033 12-2033 12-2033 12-2033 12-2033 12-2033 12-2033	12.2058 12.2058 12.2058 12.2058 12.2058 12.2058 12.2058	12-2038 12-2038 12-2038 12-2038 12-2038	12-2024 12-2024 12-2024 12-2024 12-2024	12-2030 12-2030 12-2030 12-2030 12-2030 12-2030 12-2030
ACCOUNT (1)	LAST CHANCE 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL LAST CHANCE	LIFTON 330.20 LAND RIGHTS 330.30 WATER RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 335.00 ROADS, RAILFROADS AND BRIDGES TOTAL LIFTON	MERWIN 330.20 LAND RIGHTS 330.50 FISHAWILDLIFE 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENEATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANGOUS POWER PLANT EQUIPMENT 335.00 ROADS, RAILROADS AND BRIDGES TOTAL MERWIN	NORTH UMPQUA 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RALLROADS AND BRIDGES TOTAL NORTH UMPQUA	PARIS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL PARIS	PIONEER 330.20 LAND RIGHTS 330.30 WATER RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANCOUS POWER PLANT EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL PIONEER

PACIFICORP
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE 21.2 21.1 20.4 20.6 20.1 19.3 19.3 20.4 38.9 39.3 37.3 34.3 34.9 6.9 6.9 6.8 7.0 7.0 41.0 41.0 38.8 38.0 36.6 33.7 31.4 12.3 12.3 12.9 12.9 CALCULATED ANNUAL ACCRUAL ACCRUAL AMOUNT RATE 0.97 0.99 2.28 1.45 1.97 2.46 1.59 2.08 2.05 1.36 3.72 3.46 3.23 3.96 3.10 3.28 3.28 1.16 0.41 0.66 1.84 0.44 0.70 2.07 1.93 1.82 2.89 1.22 6.26 2.22 2.43 4.33 2.72 4.00 6.45 3.77 3.70 3.60 3.77 4.66 3.79 3.79 6 76 43 232,724 1,265,039 126,544 269,464 589 12,740 7,496 18,607 12,223 34,799 277 824 74,226 3,729 21,931 8,462 20,481 4,401 44,324 14,180 9,060 3,735 75,700 60,859 960 ,656,883 691,826 322,986 197,373 6,525 23,547 960,959 14,930 3,726 18,757 9,667 781 47,861 97 1,347 56,047 907 4,755,809 26,027,712 2,544,197 5,204,771 11,529 259,807 38,806,344 291,423 730,480 455,321 1,193,015 9,659 32,299 25,863 152,510 58,384 139,090 661 9,399 56,002 569,052 178,488 111,767 48,285 963,594 2,495,240 39,357 64,347,722 26,309,056 11,823,156 6,657,569 205,154 903,488 175,933 44,042 217,898 109,418 8,947 556,238 FUTURE ACCRUALS 24,608,333 6,243,749 1,761,035 226,630 297,588 47,546,734 378,241 4,044,847 1,552,787 790,750 54,937 95,260 6,916,822 2,100 2,260 1,627,641 11,277,669 1,534,776 1,735,193 7,688 140,580 156,047 998,015 410,614 126,829 464,775 358,051 119,000 10,220 1,078,875 3,782,173 57,871 10,569,355 231,324 60,500 289,488 102,080 11,853 695,245 576,655 DEPRECIATION RESERVE 7,371 BOOK 3,711.84 3,166.96 6,258,283.94 36,573,903.35 3,922,089.73 6,803,886.58 19,027.06 388,725,44 180,109.26 1,139,133.63 464,354.77 226,242.07 57,926.16 2,009,691.53 97,228.11 72,735,025.54 47,586,344.94 16,424,459.18 411,222.84 1,133,090.89 152,682,502.04 403,224.93 103,506.99 497,437.95 207,350.74 20,594.26 ,232,114.87 643,908.17 4,547,930.76 1,842,300.74 1,889,300.43 181,021.20 1,023,590.73 62,714.94 7,952.48 103,181.40 708,658.02 520,911.37 6,277,412.59 8,017,717.95 ORIGINAL COST (5) SALVAGE PERCENT 빌 <u>4</u> (6) (6) (6) (7) 55555 EE@8E EE00E SQUARE SQUARE 125-R1 125-R1.5 95-S0 SURVIVOR 125-R1 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5 125-R1 125-R1.5 95-S0 70-L0 75-R0.5 125-R1 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5 125-R1 125-R1.5 95-S0 70-L0 100-S0.5 70-L0 75-R0.5 100-S0.5 125-R1 125-R1.5 95-S0 70-L0 75-R0.5 ල PROBABLE RETIREMENT DATE 12-2038 12-2038 12-2038 12-2038 12-2038 12-2058 12-2058 12-2058 12-2058 12-2058 12-2030 12-2030 12-2030 12-2030 12-2030 12-2058 12-2058 12-2058 12-2058 12-2058 12-2058 12-2058 12-2029 12-2029 12-2029 12-2029 12-2029 12-2024 12-2024 12-2024 12-2024 12-2024 12-2024 330.20 LAND RIGH 15 330.40 FLOOD RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL PROSPECT # 1, 2 AND 4 330.20 LAND RIGHTS 330.56 FISHWILDLILE 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTIFE CQUINMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES PROSPECT #3 ON STRUCTURES AND IMPROVEMENTS ON RESERVOIRS, DAMS AND WATERWAYS ON WATERWHEELS, TURBINES AND GENERATORS ON ACCESSORY ELECTRIC EQUIPMENT ON MISCELLANEOUS POWER PLANT EQUIPMENT ON ROADS, RAILROADS AND BRIDGES STAIRS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVICES, DAMS AND WATERWAYS 334.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES VIVA NAUGHTON 331.00 STRUCTHES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIXE CQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL VIVA NAUGHTON SANTA CLARA STRUCTURES AND IMPROVEMENTS STRUCTURES AND WATERWAYS RESERVOIRS, DAMS AND WATERWAYS WATERWHEELS, TURBINES AND GENERATORS ACCOUNT PROSPECT # 1, 2 AND 4 LAND RIGHTS TOTAL STAIRS TOTAL SWIFT 331.00 5 332.00 F 333.00 V 334.00 A 335.00 N

PAGETIONER
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)		40.2 41.2 38.5 35.2 35.7 39.1	41.0 38.7 37.9 36.2 33.0 30.8 38.3	5.0		25.5 23.3 23.8 23.8 25.3 26.3	27.5 25.1 21.4 25.7 27.3 26.8
AUNUAL ACCRUAL RATE (9)	0.25 0.43 0.43 0.37	0.65 1.03 0.93 1.77 0.88 0.97	0.80 2.12 2.12 1.31 1.75 2.19 2.02 2.02	3.53		2.86 3.07 3.11 2.82 2.88 3.59	3.01 3.29 4.15 3.31 3.03 3.05 3.70
CALCULATED ANNUAL ACCRUAL ACCRI AMOUNT RAT (8) (9)	0 2,050 3,232 6,824 12,106	2,548 20,835 8,715 4,592 195 187 37,272	6,109 372,810 428,972 221,315 85,141 7,884 41,168	145,999 35,939,236		700,331 49,111 8,583,260 2,182,721 1,084,124 94,063	1,332,080 108,502 8,093,767 2,090,488 1,302,070 91,117
FUTURE ACCRUALS (7)	0 77,058 107,788 262,089 446,935	102.409 888,393 335.266 101.796 6,955 15,126 1,479,945	250.451 14.436,086 16,270.695 8,019,813 2,805,644 242.476 1,578,483 43,603,648	729,993 657,010,676		17 890 033 1,146,741 173,168,036 51,929,060 27,414,881 2,343,727 273,892,478	36,645,761 2,726,664 173,149,392 53,897,769 35,512,104 2,444,878 304,176,568
BOOK DEPRECIATION RESERVE (6)	175,185 963,630 802,201 698,258 426,003 3,065,277	306,563 1,299,720 704,513 113,662 16,206 27,919 2,468,573	511,129 3,883,258 18,895,474 5,990,495 1,323,851 3,46,556 607,473 31,558,236	6,081,957		7,307,368 498,525 55,185,047 21,751,314 1,759,685 90,480 97,492,419	8,889,954 672,063 33,497,405 12,562,025 8,284,568 588,133 64,484,148
ORIGINAL COST (5)	168,446.94 907,742.64 806,659.87 760,420.49 649,143.03 3,302,412.97	389,496 89 2,016,527.91 936,738.26 259,856.45 22,270.09 39,865.53 39,865,146.13	761,579,86 17,614,753,99 32,865,578,42 12,621,899,12 3,895,750,17 560,983,03 2,042,949,99	1,017,867,106.75		24,463,496.27 1,597,345.52 215,427,437.28 70,171,784,91 38,406,436.94 3,288,830.29 353,335,331.21	44,209,431,84 3,299,735,22 194,949,808,42 63,104,566,18 42,918,3344,19 351,465,192,17
NET SALVAGE PERCENT (4)	(5) (9) (6) (6) (6)	(6) (7) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	0 4 6 <u>6</u> 6 6 6	Ø		ଚିତିଭିତିପିପି	୧୯୯ ୧୯୯ ୧୯୯
SURVIVOR CURVE	125-R1 125-R1.5 95-S0 70-L0 100-S0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5	SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5			70-S2.5 50-R2 40-L0 50-R2.5 70-R3 60-R3	70-S2.5 50-R2 40-L0 50-R2.5 70-R3 60-R3
PROBABLE RETIREMENT DATE (2)	12-2057 12-2057 12-2057 12-2057 12-2057	12-2060 12-2060 12-2060 12-2060 12-2060	12.2058 12.2058 12.2058 12.2058 12.2058 12.2058			12-2043 12-2043 12-2043 12-2043 12-2043	12-2045 12-2045 12-2045 12-2045 12-2045
ACCOUNT (1)	WALLOWA FALLS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL WALLOWA FALLS	WEBER 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 WINCELLANDOUS POWER PLANT EQUIPMENT 336.00 ROADS, RAILENOADS AND BRIDGES TOTAL WEBER	YALE 330.20 LAND RIGHTS 331.00 STRUCUTURES AND IMPROVEMENTS 332.00 RESERVORS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 WATERWHEELS, TURBINES AND GENERATORS 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RALENGADS AND BRIDGES TOTAL YALE	HYDRO DECOMIMISSIONING RESERVE TOTAL HYDRAULIC PRODUCTION	OTHER PRODUCTION PLANT	OHEHALIS 34.100 STRUCTURES AND IMPROVENENTS 34.200 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 34.300 PRIME MOVERS 34.400 GENERATORS 34.500 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CHEHALIS	OURRANT CREEK 34100 STRUCTURES AND IMPROVEMENTS 34200 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CURRANT CREEK



PAGIFICARY
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)	85 77.2 15.6 17.5 18.5 18.5 18.5	29.6 22.7 27.4 29.2 28.8	36.3 32.7 27.1 34.0 36.1	4	31.0 30.8 26.0 29.8 31.7	## ## ## ## ## ## ## ## ## ## ## ## ##	28.92 28.92 38.92 38.93 38.93 38.93 38.93
NNUAL ACCRUAL RATE (9)	2.80 2.93 3.99 3.09 2.88 3.77	3.11 4.16 3.32 3.06 3.07	2.48 2.69 3.55 2.82 2.58 2.52	3.80 4.92 4.54 4.34 4.07	2.45 2.45 2.97 2.50 2.35	3.88 2.87 4.23 2.92 2.95	2.38 2.35 2.79 2.40 2.44
CALCULATED ANNUAL ACCRUAL ACCRI AMOUNT RAT (8) (9)	359,579 743 4,508,663 1,307,554 281,822 7,911 6,465,672	81,071 9,094,387 2,298,569 1,375,742 75,233	2,134,693 229,220 11,751,172 4,340,857 1,947,492 92,636 20,496,070	162,522 135,854 2,517,914 774,014 120,262 3,710,566	191,418 5,097,440 197,042 308,428 3,506 5,797,834	5,324 935,754 85,263 86,250 1,112,591	253,417 10,423,521 382,712 711,686 40,566 11,811,902
FUTURE ACCRUALS (7)	6,697,620 12,770 70,119,063 22,919,831 5,223,337 146,976 105,119,797	2,397,504 206,424,211 6,3092,007 40,185,401 2,163,714 314,262,837	77,495,599 7,486,031 318,915,700 147,546,169 70,285,347 3,283,768 625,012,614	2,424,239 1,966,123 33,593,963 11,213,497 1,785,181 50,983,003	5,935,884 15,928,359 5,122,091 9,198,482 111,119	62,615 10,890,202 945,322 989,184 12,887,323	7,623,357 310,227,877 9,535,512 20,534,937 1,252,316 349,673,999
BOOK DEPRECIATION RESERVE (6)	6,552,091 13,058 48,538,075 21,106,655 4,753,275 67,060 81,030,214	313,237 25,266,649 9,598,130 6,069,145 6,069,44 336,800 41,584,231	11,332,457 1,275,677 32,097,376 14,333,204 6,656,682 423,344 66,118,740	1,934,221 848,074 24,053,869 7,161,731 1,225,981 35,223,876	1,941,389 53,141,682 1,710,155 3,239,983 37,981 60,071,190	76,070 22,037,113 1,091,339 1,989,515 25,194,037	3,133,576 138,321,806 4,588,635 9,379,769 413,451 153,837,237
ORIGINAL COST (5)	12,863,796,93 25,331,62 113,006,788,05 42,333,159,14 9,771,187,95 209,888,93 178,220,102,62	2.606,481.62 218,776,283.46 69,228,701.46 44,907,588.65 2,451,484.27 337,770,539.46	86,240,831.02 8,506,512.86 33.1,44,410.97 154,770,831.14 75,433,361.58 3,670,407.99 659,166,355,56	4,273,000,07 2,759,016,70 55,430,607,74 17,840,027,10 2,952,119,98 83,254,771,59	7,799,280.24 207,990,139.84 6,633,248.23 12,315,311.82 149,099.80	137,311.55 32,601,301 89 2,016,496.33 2,949,206.74 37,704,316.51	10,650,428.26 442,623,448.26 13,712,764.18 29,618,521.00 1,665,766.88 498,270,928.58
NET SALVAGE PERCENT (4)	(2) (3) (3) (3) (3) (4) (6) (5) (6) (7)	(5) (5) (2) (3)	(-) (-) (-) (-) (-) (-) (-) (-) (-) (-)	(2) (3) (4) (2) (3) (3) (4) (5) (7)	EE®E0	££££	EE®E°
SURVIVOR CURVE (3)	70-S2.5 50-R2 40-L0 50-R2.5 70-R3 60-R3	70-S2.5 40-L0 50-R2.5 70-R3 60-R3	70-S2.5 50-R2 40-L0 50-R2.5 70-R3	70-S2.5 50-R2 40-S0 50-R2.5 70-R3	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5	65-R2 55-R2.5 40-S0 60-S0.5 60-R3
PROBABLE RETIREMENT DATE (2)	12-2036 12-2036 12-2036 12-2036 12-2036	12-2047 12-2047 12-2047 12-2047	12-2054 12-2054 12-2054 12-2054 12-2054 12-2054	12-2032 12-2032 12-2032 12-2032 12-2032	12-2050 12-2050 12-2050 12-2050 12-2050	12-2029 12-2029 12-2029 12-2029	12-2049 12-2049 12-2049 12-2049
ACCOUNT (1)	HERMISTON 341.00 STRUCTURES AND IMPROVEMENTS 342.00 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HERMISTON	LAKE SIDE UNIT 1 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 346.00 ANGCESSORY ELECTRIC EQUIPMENT TOTAL LAKE SIDE UNIT 1	LAKE SIDE UNIT 2 341.00 STRUCTURES AND IMPROVEMENTS 342.00 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL LAKE SIDE UNIT 2	GADBSY PEAKER UNIT 4-6 341.00 STRUCTURES AND IMPROVEMENTS 342.00 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL GADBSY PEAKER UNIT 4-6	DUNLAP - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 346.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL DUNLAP - WIND	FOOTE CREEK - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PAIME MOVERS 344.00 GENERATIORS 345.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL FOOTE CREEK - WIND	GLENROCK - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GLENROCK - WIND



PACIFICORP

SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

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COMPOSITE	REMAINING LIFE (10)	30.0 29.7 24.8 29.2 30.6	30.1 29.9 25.1 28.9 30.7	29.8 29.5 24.4 28.5 30.4	29.9 29.9 25.6 30.6 30.6	30.0 29.7 24.8 28.8 30.9	10.0	38.5
ANNUAL	ACCRUAL RATE (9)	2.35 2.35 2.23 2.23 2.38	2.41 2.42 2.88 2.46 2.31 2.43	2.2.2.2.2.2.4.4.4.4.4.6.2.4.4.4.6.4.6.4.	2.20 2.20 2.24 2.27 2.23	2.2.3.9 2.2.4.4 2.5.5.4.4 2.5.0	4.11	1.46 1.66 1.56 2.94
CALCULATED ANNUAL	ACCRUAL AMOUNT (8)	128,106 3,866,031 123,968 296,683 3,841 4,418,629	188.176 5,970,504 204,305 364,285 2,629 6,729,899	106,471 3,474,996 144,675 207,139 1,649 3,934,930	225,256 7,279,452 376,880 448,201 7,119 8,336,908	152,753 5,200,830 190,117 333,062 20,091 5,896,853	228 0 0 0 228	12,245 14,129 26,374 117,375,092
	FUTURE ACCRUALS (7)	3,841,722 114,989,033 3,072,588 8,665,873 117,581 130,686,797	5,659,005 178,248,467 5,121,314 10,527,330 80,742 199,636,758	3,174,848 102,462,681 3,533,357 5,903,648 500,71 115,124,505	6,743,004 215,688,952 9,664,579 12,838,881 217,518 245,152,934	4,586,478 154,648,130 4,708,447 9,585,681 620,399 174,149,045	2,279 (13,985) (21,296) (10,935) (43,937)	471,683 594,991 1,066,674 3,079,077,330
ВООК	DEPRECIATION RESERVE (6)	1,700,696 50,843,983 1,488,162 2,754,501 54,501 56,841,684	2,233,677 71,294,355 2,177,947 4,406,683 32,974 80,145,636	1,862,058 58,823,924 2,143,662 3,540,637 30,965 66,391,246	3,595,811 117,915,749 3,447,823 7,322,912 119,601 132,401,896	1,832,882 65,490,674 2,184,200 4,180,149 183,513 73,871,418	3,267 50,374 76,383 67,257	367,998 254,235 622,232 1,035,607,487
	ORIGINAL COST (5)	5,487,542.38 164,191,105.11 4,427,912.35 11,307,301.02 171,923.00 185,585,783.86	7,814,536,92 247,072,101.06 7,086,661,55 14,786,052,87 113,716,50 276,873,068.90	4,977,134,31 159,689,708.35 5,511,688,97 9,559,004,71 81,055,73 179,518,552.07	10,236,450.87 330,301,684.58 12,730,487.78 19,766,463.99 337,118,68	6,355,801.85 217,959,211.65 6,691,890.28 13,495,912.20 803,821.77 245,306,637.75	5,545.93 36,389.01 55,086.78 56,321.97 153,343.69	839,680.12 849,226.01 1,688,906.13 3,996,573,115.93
NET	SALVAGE PERCENT (4)	££££0	££££	££66000 0000000000000000000000000000000	££66000 0000000000000000000000000000000	0 (2) (3) (3)	0000	00
	SURVIVOR CURVE (3)	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	SQUARE SQUARE SQUARE 50-R2:5	50-R2.5 50-R2.5
PROBABLE	RETIREMENT DATE (2)	12-2049 12-2049 12-2049 12-2049	12-2049 12-2049 12-2049 12-2049	12-2049 12-2049 12-2049 12-2049 12-2049	12-2049 12-2049 12-2049 12-2049 12-2049	12-2049 12-2049 12-2049 12-2049 12-2049	12-2027 12-2014 12-2014 12-2015	
	ACCOUNT (1)	GOODNOE HILLS - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GOODNOE HILLS - WIND	HIGH PLAINS / MCFADDEN - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HIGH PLAINS / MCFADDEN - WIND	LEANING JUNIPER - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL LEANING JUNIPER - WIND	MARENGO-WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL MARENGO - WIND	SEVEN MILE HILL - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL SEVEN MILE HILL - WIND	SOLAR GENERATING 344.00 GENERATORS - ATLANTIC CITY 344.00 GENERATORS - CANYON LANDS 344.00 GENERATORS - GREEN RIVER 344.00 GENERATORS - OREGON HIGH DESERT TOTAL SOLAR GENERATING	MOBIL E GENERATORS 344.00 EAST SIDE MOBILE GENERATOR 344.00 WEST SIDE MOBILE GENERATOR TOTAL MOBILE GENERATORS TOTAL DEPRECIABLE OTHER PRODUCTION

PACIFICORP

SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE (10)			66.0 59.8 47.9 56.5 66.5 48.6 48.6 43.0 44.8		25.5 8.66 8.66 8.66 8.66 8.66 8.7 7 8.7 8.66 8.66	29 2 3 3 4 4 4 4 8 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ANNUAL ACCRUAL RATE (9)		4.06	1.22 1.54 1.68 1.53 1.53 1.61 1.61 1.35		2.53 2.54 2.54 2.54 2.55 2.55 2.55 2.55 2.55	1.60 1.67 1.67 2.20 2.36 2.29 2.29 2.29 2.29 3.97 2.88
CALCULATED ANNUAL ACCRUAL ACCRI AMOUNT RAT (8) (9)		117,375,092	2,510,205 3,972,382 40,800,887 19,812,056 22,985,685 24,632,034 56,608 134,716 161,568		61,974 50,441 5,458,271 12,814,282 6,399,589 1,860,494 3,743,288 11,079,639 2,086,209 4,001,931 1,427,512 120,531 120,531	7,354 81,320 1,592,687 3,661,011 1,823,996 435,104 644,892 2,812,679 506,342 1,022,761 561,302 20,089 133,190
FUTURE ACCRUALS (7)		3,079,077,330	165,785,490 237,405,161 1,956,319,769 1,119,197,986 1,074,090,458 1,196,667,697 2,445,116 5,729,014		2,323,058 26,944,909 226,399,743 280,606,592 95,743,695 164,887,591 350,909,340 88,645,458 181,337,333 22,319,936 1,912,854 1,912,854	288,933 4,000,654 68,210,634 149,827,176 79,804,425 16,639,376 26,193,181 84,130,772 23,596,380 41,299,506 7,431,701 293,145 4417,838
BOOK DEPRECIATION RESERVE (6)	351	1,035,507,838	40,366,675 46,052,728 48,614,997 305,297,943 348,247,605 473,314,446 1,074,277 2,638,108 4,706,837 1,680,313,616		2,706,037 7,335,390 87,535,390 87,574,653 233,111,161 141,162,329 46,485,083 86,485,083 80,894,650 80,443,628 50,560,53 2,028,468 11,331,276 11,331,276	169,314 1,104,521 22,387,511 64,429,722 37,515,424 9,144,136 11,757,442 56,557,037 8,406,404 18,949,047 5,660,645 414,618 2,013,248
ORIGINAL COST (5)	1,756,736,02 28,061,442.32 2,891,146.49	4,029,282,440.76	206,152,165,41 267,688,999,61 2,195,395,242,34 1,294,996,299,13 948,225,375,26 1,237,023,809,48 3,519,393,35 8,035,383,96 11,937,200,36 6,162,973,628,90		5,029,094,89 31,182,090,15 261,645,292,74 283,215,292,84 285,399,325,62 94,819,185,32 142,946,104,62 442,287,792 92,291,191,32 187,000,886,50 70,757,736,736 2,027,748,13 2,027,748,13	458,247,34 4,862,071,33 72,454,515,97 107,128,448,80 71,102,938,71 118,750,47 22,811,1572,27 112,550,247,62 22,859,131,47 40,165,702,15 12,711,015,36 505,545,28 4,593,852,87
NET SALVAGE PERCENT (4)	l	I	0 (10) (10) (10) (10) (10) (10) (10) (10)		0 (200) (200) (300) (300) (300) (300) (300) (300) (300) (300)	(6) (25) (3) (40) (40) (40) (40) (40) (40) (40) (40
SURVIVOR CURVE (3)			80-R4 70-R3 58-S0 70-R4 66-R2 66-R3 60-S2.5 60-S2.5		60-S2.5 66-R2 53-R1 60-R1 70-R3 60-R2.5 60-R2.5 56-R1 56-R1 20-S3 27-L0 45-R1	55.R3 60.R2 60.R1 55.R1 60.R1 55.R3 45.R2 60.R1 20.S1 30.L0
PROBABLE RETIREMENT DATE (2)						
ACCOUNT (1)	340.30 WATER RIGHTS - CHEHALIS 340.30 WATER RIGHTS - LAKESIDE 340.30 WATER RIGHTS - CURRANT CREEK	TOTAL OTHER PRODUCTION TOTAL PRODUCTION PLANT	TRANSMISSION PLANT 350.20 LAND RIGHTS 352.00 STRUCTURES AND IMPROVEMENTS 353.00 STRUCTURES AND IMPROVEMENTS 354.00 TOWERS AND FIXTURES 356.00 OVERHAED CONDUCTORS AND DEVICES 356.00 OVERHAED CONDUCTORS AND DEVICES 357.00 UNDERGROUND CONDUIT 358.00 UNDERGROUND CONDUIT 358.00 UNDERGROUND CONDUIT 359.00 ROADS AND TRAILS TOTAL TRANSMISSION PLANT	DISTRIBUTION PLANT	OREGON - DISTRIBUTION 360.20 LAND RIGHTS 361.00 STRUCTURES AND IMPROVEMENTS 362.00 STATION EQUIPMENT 364.00 POLES, TOWERS AND EXTURES 365.00 OVERHEAD CONDUCTORS AND DEVICES 365.00 UNDERGROUND CONDUIT 367.00 UNDERGROUND CONDUIT 368.00 LINE TRANSFORMERS 369.11 OVERHEAD SERVICES 369.12 UNDERGROUND SERVICES 370.00 METERS 371.00 INSTALLATIONS ON CUSTOMER PREMISES 371.00 INSTALLATIONS ON CUSTOMER PREMISES 371.00 STREET LIGHTING AND SIGNAL SYSTEMS TOTAL OREGON - DISTRIBUTION	WASHINGTON - DISTRIBUTION 360.20 LAND RIGHTS 361.00 STRUCTURES AND IMPROVEMENTS 362.00 STRUCTURES AND IMPROVEMENTS 364.00 POLES, TOWERS AND FIXTURES 365.00 UNDERGROUND CONDUIT 367.00 UNDERGROUND CONDUIT 367.00 UNDERGROUND SCHOLES 368.00 LINE TRANSFORMERS 369.10 OVERHEAD SERVICES 369.20 UNDERGROUND SERVICES 369.20 UNDERGROUND SERVICES 369.20 UNDERGROUND SERVICES 370.00 METERS 371.00 INSTALLATIONS ON CUSTOMER PREMISES 373.00 STREET LIGHTING AND SIGNAL SYSTEMS TOTAL WASHINGTON - DISTRIBUTION

PACIFICORP SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

COMPOSITE REMAINING LIFE	(10)	33	53.7	41.6	43.9	46.7	34.0	30.74 28.0	46.3	38.0	13.1	16.7	5	o c	30.0	1.07		40.5	45.7	38.4	35.4	37.2	40.7	12.7	12.7	22.5			49.6	48.6	38.8	40.0	42.3	44.9	44.0	36.3	42.5	11.6	13.6 4.4	:
NNUAL ACCRUAL RATE	(6)	1 75	1.63	1.89	3.47	2.38	2.79	2.57	2.13	2.89	4.49	4.15	2.71	4	1.13	58.7	4.7	3.47	2.34	2.26	2.37	2.39	2.60	2.37	5.07	3.78	2.65		1.50	1.80	2.25	3.62	2.54	2.35	1.94	2.28	2.30	4.31	6.00 4.81	2.49
CALCULATED ANNUAL ACCRUAL ACCRIA AMOUNT RAT	(8)	102 630	276,969	2,587,885	5,448,806	2,643,059	773,432	1,598,267	421.834	1,288,012	697,241	40,289	19,817,070	, , ,	00.540	741 662	741,002	2,278,341	835,097	398,679	467,154	1,278,171	259,750	116,869	14,039	28,880	6,915,206		163,256	994,384	10,915,920	13.836.705	5,964,674	4,738,509	10,546,258	12,116,588	7,005,972	3,745,993	255,587	71,348,719
FUTURE	(2)	3 483 853	14,863,668	107,653,236	239,302,208	123,448,409	26,302,837	46,553,294	19.532.075	48,908,751	9,099,407	673,600	757,947,250	100 100	1004,007	70 751 062	29,101,902	92,376,367	38,205,326	15,311,325	16,514,590	47,586,072	10,439,659	1 481 210	178,894	648,775	273,467,949		8,098,743	48,317,754	424,006,406	554,000,019	252,602,931	212,867,731	464,512,021	439,687,826	297,836,002	43,606,628	3,464,608	2,764,372,080
BOOK DEPRECIATION RESERVE	(9)	2 288 016	3,842,719	42,979,194	74,634,242	42,815,652	11,126,690	52,424,154	7.262.523	20,192,463	6,881,374	880,066	303,687,754	000 000	1 330 503	1,330,303	001,181,0	39,114,675	18,855,183	10,289,336	11,065,486	27,401,971	4,552,937	2 891 433	236,126	459,432	133,732,604		2,767,293	12,522,302	134,472,042	152.385.164	76,747,447	79,666,115	187,406,587	144,465,403	98,132,114	46,005,818	3,352,573	951,336,134
ORIGINAL COST	(5)	7 871 868 F.R.	17,005,806.07	136,938,572.31	156,968,224.56	110,842,707.65	27,725,575.31	62,290,344.27 122 208 036 83	19 847 850 73	44,581,428.46	15,515,321.70	971,041.27	731,467,646.42	00 044 000 0	1,067,4446.03	30 834 473 99	50,054,47,538	65,745,520.96	35,662,818.14	17,655,628.32	19,700,054.59	53,562,888.11	9,995,064.13	4 245 284 78	276,680.26	764,280.96	260,881,940.20		10,866,035.97	55,309,142.08	485,633,432.64	381.829.828.86	235,250,269.85	201,747,479.72	543,265,507.14	531,048,390.30	304,590,858.42	87,002,374.61	4,260,737.83	2,862,946,124.61
NET SALVAGE PERCENT	(4)	c	(10)	(10)	(100)	(20)	(35)	(30)	(32)	(22)	(3)	(60)] (F)	c	o ((10)	(52)	(100)	(09)	(45)	(40)	(40)	(20)	(36)	(20)	(45)			0	(10)	(15)	(85)	(40)	(45)	(20)	(10)	(30)	(3)	(90)	(),,,
SURVIVOR	(3)	2002	65-R2.5	55-R1	55-R1	60-R0.5	45-R2.5	40-R3	60-R1.5	50-R4	20-83	30-01 50 B0 E	0.00	0	4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50 P4	- N-06	55-R1.5	65-R1	60-R4	55-R3	55-K2	55-K1.5	20-53	26-L0	35-01			65-R4	60-R2	20-80	50-R0.5	54-R0.5	60-R2.5	60-R2.5	47-R1	55-R3	20-83	25-LU 25-B0.5)
PROBABLE RETIREMENT DATE	(2)																																							
ACCOUNT	(1)	WYOMING - DISTRIBUTION					O UNDERGROUND CONDUIT				_	O INSTALLATIONS ON CUSTOMER PREMISES O STREET LIGHTING AND SIGNAL SYSTEMS		CALIFORNIA - DISTRIBUTION									OVERHEAD SERVICES			STRE	TOTAL CALIFORNIA - DISTRIBUTION	UTAH - DISTRIBUTION				D. SOPERVISORY EQUIPMENT D. POLES, TOWERS AND FIXTURES							D INSTALLATIONS ON COSTOMER PREMISES STREET FIGHTING AND SIGNAL SYSTEMS	
	•	1 00 098						368.00			_	371.00		00000									369.10			373.00 8						364.00 F							373.00	



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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

	PROBABLE RETIREMENT	SURVIVOR	NET SALVAGE	ORIGINAL	BOOK DEPRECIATION	FUTURE	CALCULATED ANNUAL ACCRUAL ACCRL	ANNUAL	COMPOSITE
ACCOUNT (1)	DATE (2)	CURVE (3)	PERCENT (4)	(5)	RESERVE (6)	ACCRUALS (7)	AMOUNT (8)	RATE (9)	(10)
IDAHO - DISTRIBUTION									
360.20 LAND RIIGHTS		60-R4	0	1,313,176.97	483,892	829,285	19,694	1.50	42.1
361.00 STRUCTURES AND IMPROVEMENTS		65-R3	(2)	2,326,726.59	704,962	1,738,101	34,088	1.47	51.0
		55-R1.5	(15)	35,928,629.40	12,213,386	29,104,538	829,628	1.89	42.8
		50-R0.5	(06)	88,403,386.63	39,160,314	128,806,120	3,152,208	3.57	40.9
		54-R0.5	(32)	38,499,426.29	16,411,256	35,562,969	878,276	2.28	40.5
		60-R2	(40)	9,885,800.99	4,117,280	9,722,841	211,713	2.14	45.9
		60-R2.5	(15)	27,749,923.98	11,814,929	20,097,484	473,307	1.71	42.5
368.00 LINE TRANSFORMERS		47-R1	(10)	82,066,593.84	31,220,377	59,052,876	1,718,516	2.09	34.4
369.00 SERVICES		55-R3	(30)	40,533,943.05	15,842,602	36,851,524	867,630	2.14	42.5
370.00 METERS		20-83	(3)	15,558,703.52	10,330,679	5,694,786	405,201	2.60	14.1
371.00 INSTALLATIONS ON CUSTOMER PREMISES		25-L0	(42)	169.414.37	137.008	108.643	7.879	4.65	13.8
373.00 STREET LIGHTING AND SIGNAL SYSTEMS		25-R0.5	(20)	721,201.99	431,588	433,854	26,907	3.73	16.1
TOTAL IDAHO - DISTRIBUTION				343,156,927.62	142,868,273	328,003,021	8,475,097	2.47	
			l						
TOTAL DISTRIBUTION PLANT				6,741,487,983.14	2,782,769,276	6,624,776,218	170,020,316	2.52	
GENERAL PLANT									
OREGON - GENERAL									
		55-R1.5	(15)	84,641,586.42	25,441,215	71,896,610	1,730,632	2.04	41.5
392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS		13-82	10	10,639,564.60	5,423,036	4,152,572	647,768	60.9	6.4
392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS		16-S2	10	14,302,583.06	6,574,443	6,297,882	725,356	2.07	8.7
392.09 TRANSPORTATION EQUIPMENT - TRAILERS		33-S1	10	3,545,977.47	1,229,612	1,961,768	92,176	2.60	21.3
		10-83	10	11,383,235.67	4,487,049	5,757,863	890,644	7.82	6.5
396.07 HEAVY POWER OPERATED EQUIPMENT		16-L1	15	28,341,192.03	10,448,953	13,641,060	1,429,568	5.04	9.5
TOTAL OREGON - GENERAL				152,854,139.25	53,604,308	103,707,755	5,516,144	3.61	
			į						
		40-83	(10)	13,067,130.92	7,929,873	6,443,971	270,943	2.07	23.8
392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS		14-S2	10	2,128,883.74	1,386,000	529,995	70,298	3.30	7.5
		19-81	10	4,956,630.30	2,320,370	2,140,597	177,495	3.58	12.1
392.09 TRANSPORTATION EQUIPMENT - TRAILERS		33-80.5	10	755,845.11	303,558	376,703	16,865	2.23	22.3
		10-S2.5	10	2,470,170.01	1,296,053	927,100	123,017	4.98	7.5
396.07 HEAVY POWER OPERATED EQUIPMENT		15-L1.5	15	7,001,490.04	3,313,560	2,637,707	291,970	4.17	0.6
TOTAL WASHINGTON - GENERAL				30,380,150.12	16,549,414	13,056,073	950,588	3.13	



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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2017

																																		•	ч	9
COMPOSITE	LIFE (10)	43.9	38.6	9.0	21.0	4.7	11.2		48.3	6.4	9.2	3.4	7.5			36.5	34.9	0 K	9.5	17.6	4.0	0.	24.1	38.0	6.9	11.8	5.7	11.5		22.2	12.6	10.0	15.9			
ANNUAL	RATE (9)	1.87	2.50	6.48	2.98	11.39	5.56 5.47		1.97	6.28	5.04	8.36	5.33	4.57		2.02	2.42	2.94	5.71	3.07	9.18	4.47	166	1.82	6.81	4.88 4.88	9.44	4.97	4.11	1.71	2.52	1.75	2.19	4.25		3.13
CALCULATED ANNUAL	AMOUNT (8)	1.386	363,171	426,040 532,316	111,347	543,283	2,184,910 4,164,453		65,688	55,676	62,410	116.613	162,018	475,149		1,725	2,309,819	87.904	1,359,601	254,553	1,167,749	9.704.346	8	238,752	188,248	200,338	262,458	388,099	1,308,358	6,599	8,034	150	51,117 81,335	22 200 373		805,117,838
<u> </u>	ACCRUALS (7)	60.903	14,003,863	5,120,795	2,343,337	2,538,787	24,400,913 51,198,187		3,173,741	329,003	572,488	400.029	1,214,526	6,007,303		62,896	80,656,734	307.662	12,979,091	4,487,879	7,480,526	143.582.495	1 956	9,078,435	1,294,077	2,356,757	1,337,513	4,452,165	19,245,208	146,603	101,122	1,493	814,149 1,225,600	338 022 621		21,112,168,202
BOOK	RESERVE (6)	13.412	3,450,552	2,682,173	1,202,945	1,752,683	7,014,019		836,305	439,190	541,677	855 994	1,367,419	4,216,629		22,387	33,671,906	2.084.561	9,640,801	2,974,221	3,966,217	75,667,379	2 912	5,340,401	1,195,112	1,336,992	1,165,492	2,579,697	11,966,921	258,068	170,352	7,067	1,337,054 2,196,277	182 546 302		9,113,163,185
INICIAC	COST (5)	74.314.75	14,545,345.51	8,213,650.19	3,732,928.01	4,768,300.43	39,268,664.98 76,113,404.24		3,341,705.34	886,880.80	1,237,960.56	1.395.580.81	3,037,582.72	10,387,668.47		85,283.36	95,273,866.27	2.990.278.74	23,810,412.81	8,291,222.06	12,718,602.98	217,088,318,58	4 867 64	13,108,032.59	2,765,765.18	4,104,165.91	2,781,116.97	7,813,179.98	31,836,681.68	385,400.84	319,381.03	8,560.46	3,720,377.18	522 380 739 52		25,702,460,918.21
NET	PERCENT (4)	0	(20)	2 2	2	10	20		(20)	10	10	o 6	15			0	(20)	20 20	2	10	0 6	04	c	(10)	10	0 4	5 6	10	l	(5)	15	0 ;	01			
ackiyana	CURVE (3)	55-R4	50-R2	16-51.5 16-L2	35-82.5	9-83	15-L0		60-R2	13-S2	17-L2 35 S2	9-S4	15-L2			50-R1	50-R1	10-80	17-L2	30-81	10-L3	1-1-1-0.3	60-R3	60-R3	13-S1.5	18-51	9-82	18-L1		45-R2	19-R2	25-81.5	25-K2.5			
PROBABLE	DATE (2)																																			
	ACCOUNT (1)	WYOMING - GENERAL 889.20 LAND RIGHTS					396.07 HEAVY POWER OPERATED EQUIPMENT TOTAL WYOMING - GENERAL	CALEOPNIA GENERAL	390.00 STRUCTURES AND IMPROVEMENTS		392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS				UTAH - GENERAL		390.00 STRUCTURES AND IMPROVEMENTS		392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS		396.03 LIGHT POWER OPERALED EQUIPMENT		IDAHO - GENERAL 389 20 I AND RIGHTS			392.05 IRANSPORTATION EQUIPMENT - MEDIUM IRUCKS	396.03 LIGHT POWER OPERATED EQUIPMENT		TOTAL IDAHO - GENERAL	390.00 STRUCTURES AND IMPROVEMENTS 392.01 TRANSPORTATION FOLIEMENT - LIGHTTRITCKS AND VANS			396.07 HEAVY POWER OPERALED EQUIPMENT TOTAL ARIZONA, COLORADO AND MONTANA - GENERAL	TOTAL GENERAL PLANT		TOTAL ELECTRIC PLANT
		m	(-) ((ب) ر	(1)) (ن	e)		(*)	(•)	ی ری	, (1)	, (1)			(-)	٠, ٥	, m	(*)	۱ (٠)	۳) ر.	,	C*	, (*)) (ن	۰, ر۰.	, (r)	(r)		٠, ٣	, (*)) ر،	,			



PART VII. SERVICE LIFE STATISTICS



PRODUCTION AND TRANSMISSION PLANT



ORIGINAL CURVE = 1911-2017 EXPERIENCE 1988-2017 EXPERIENCE 1936-2017 PLACEMENTS 100 IOWA 110-S0.5 8 AGE IN YEARS 9 20 ____ 100 70-10-8 8 9 50 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1911-2017		EXPER	RIENCE BAN	D 1916-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	1,136,622,516 1,118,998,960 1,108,114,377 1,091,728,749 1,084,473,070 1,073,626,931 1,049,220,653	3,769 114,071 201,356 355,567 286,714 424,909 8,297,018	0.0000 0.0001 0.0002 0.0003 0.0003 0.0004 0.0079	1.0000 0.9999 0.9998 0.9997 0.9997 0.9996	100.00 100.00 99.99 99.97 99.94 99.91 99.87
6.5 7.5 8.5	993,339,415 985,024,669 959,604,208	2,332,300 2,236,332 2,046,970	0.0023 0.0023 0.0021	0.9977 0.9977 0.9979	99.08 98.85 98.63
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5 19.5 20.5 21.5	856,657,237 821,544,651 798,662,437 790,298,856 782,325,919 775,226,087 767,959,392 760,833,649 757,500,749 742,958,685 730,800,044 728,457,771 721,335,624	1,172,503 501,960 1,256,243 417,320 832,755 1,178,164 1,317,162 2,186,891 753,474 866,076 434,367 1,098,369 1,082,648	0.0014 0.0006 0.0016 0.0005 0.0011 0.0015 0.0017 0.0029 0.0010 0.0012	0.9986 0.9994 0.9984 0.9995 0.9989 0.9985 0.9971 0.9990 0.9988 0.9994 0.9985 0.9985	98.42 98.28 98.22 98.07 98.01 97.91 97.76 97.59 97.31 97.22 97.10 97.05 96.90
22.5 23.5 24.5 25.5 26.5 27.5 28.5	716,057,222 699,304,776 686,292,901 678,091,673 670,854,432 650,954,906 639,437,033	874,430 565,514 1,078,069 1,749,434 1,259,112 1,493,779 996,229	0.0012 0.0008 0.0016 0.0026 0.0019 0.0023 0.0016	0.9988 0.9992 0.9984 0.9974 0.9981 0.9977 0.9984	96.75 96.64 96.56 96.41 96.16 95.98 95.76
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	633,036,492 620,703,898 595,764,371 583,846,197 537,523,082 435,385,656 427,667,170 399,591,008 355,721,602 295,468,119	4,280,938 1,280,297 1,918,482 1,360,790 1,868,488 787,159 848,128 874,977 341,452 888,173	0.0068 0.0021 0.0032 0.0023 0.0035 0.0018 0.0020 0.0022 0.0010 0.0030	0.9932 0.9979 0.9968 0.9977 0.9965 0.9982 0.9980 0.9978 0.9990	95.61 94.96 94.76 94.46 94.24 93.91 93.74 93.56 93.35



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1911-2017		EXPER	RIENCE BAN	0 1916-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	189,251,302 162,048,085 113,691,594 99,508,604 39,764,770 38,135,709 31,816,654 25,202,933 24,736,719 24,407,375	389,684 448,610 1,345,153 634,203 272,947 147,866 289,110 350,241 135,324 100,222	0.0021 0.0028 0.0118 0.0064 0.0069 0.0039 0.0091 0.0139 0.0055 0.0041	0.9979 0.9972 0.9882 0.9936 0.9931 0.9961 0.9909 0.9861 0.9945 0.9959	92.98 92.79 92.53 91.44 90.86 90.23 89.88 89.07 87.83 87.35
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	21,978,041 21,404,624 21,209,606 19,196,849 16,919,113 12,257,697 11,972,138 11,867,836 10,933,210 9,111,717	64,750 126,725 207,173 83,671 155,327 148,699 70,095 1,687 44,817 201,203	0.0029 0.0059 0.0098 0.0044 0.0092 0.0121 0.0059 0.0001 0.0041	0.9971 0.9941 0.9902 0.9956 0.9908 0.9879 0.9941 0.9999 0.9959	86.99 86.73 86.22 85.38 85.00 84.22 83.20 82.71 82.70 82.36
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5	6,648,697 6,619,420 4,421,775 3,178,156 3,121,927 3,121,431 1,619,105	2 2,763 1,662 496 11,427	0.0000 0.0004 0.0004 0.0000 0.0002 0.0000 0.0071	1.0000 0.9996 0.9996 1.0000 0.9998 1.0000 0.9929	80.55 80.55 80.51 80.48 80.48 80.47 79.90



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1936-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	454,186,226 444,903,633 459,546,736 454,136,427 494,457,479 586,997,558 570,450,690 551,352,854 590,540,190	558 69,799 135,998 71,288 41,296 238,464 194,474 231,303 1,820,068	0.0000 0.0002 0.0003 0.0002 0.0001 0.0004 0.0003 0.0004	1.0000 0.9998 0.9997 0.9998 0.9999 0.9996 0.9997 0.9996	100.00 100.00 99.98 99.95 99.94 99.93 99.89 99.86
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	626,705,764 637,784,380 631,465,096 660,383,316 666,548,562 720,642,025 726,074,131 730,331,970 729,998,676 726,715,708 712,199,663	2,002,411 591,066 478,489 1,168,969 313,764 794,168 1,157,484 1,271,075 2,165,683 751,485 859,087	0.0032 0.0009 0.0008 0.0018 0.0005 0.0011 0.0016 0.0017 0.0030 0.0010 0.0012	0.9968 0.9991 0.9992 0.9982 0.9995 0.9989 0.9984 0.9983 0.9970 0.9990 0.9988	99.51 99.19 99.10 99.02 98.85 98.69 98.53 98.36 98.07 97.97
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	702,515,386 700,721,305 693,727,876 690,348,092 676,071,480 669,131,781 661,266,368 654,085,670 635,185,594 624,238,469	420,407 1,049,364 791,155 844,022 541,012 1,070,371 1,747,940 1,258,912 1,097,885 962,626	0.0006 0.0015 0.0011 0.0012 0.0008 0.0016 0.0026 0.0019 0.0017	0.9994 0.9985 0.9989 0.9988 0.9992 0.9984 0.9974 0.9981 0.9983 0.9985	97.85 97.79 97.65 97.53 97.41 97.34 97.18 96.92 96.74 96.57
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	620,788,978 610,317,796 585,415,956 574,998,878 531,288,307 429,514,511 424,179,833 398,274,481 354,523,713 294,275,735	4,263,974 1,265,577 1,894,821 1,347,523 1,511,514 743,788 847,778 863,151 340,801 885,154	0.0069 0.0021 0.0032 0.0023 0.0028 0.0017 0.0020 0.0022 0.0010 0.0030	0.9931 0.9979 0.9968 0.9977 0.9972 0.9983 0.9980 0.9978	96.42 95.76 95.56 95.25 95.03 94.76 94.59 94.40 94.20 94.11



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1936-2017		EXPER	RIENCE BANI	1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5	188,062,356 160,892,608 112,537,400 98,613,522 38,915,284 37,292,432 30,979,750 24,374,839 24,116,960	371,947 448,487 1,334,518 630,760 269,143 147,260 288,859 144,218 134,436	0.0020 0.0028 0.0119 0.0064 0.0069 0.0039 0.0093 0.0059	0.9980 0.9972 0.9881 0.9936 0.9931 0.9961 0.9907 0.9941 0.9944	93.83 93.64 93.38 92.27 91.68 91.05 90.69 89.84 89.31
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	23,967,720 21,564,152 20,997,961 20,843,272 19,126,913 16,849,176 12,187,761 11,902,202 11,797,943 10,863,515	75,522 64,555 126,725 207,173 83,671 155,327 148,699 70,095 1,687 44,817	0.0032 0.0030 0.0060 0.0099 0.0044 0.0092 0.0122 0.0059 0.0001 0.0041	0.9968 0.9970 0.9940 0.9901 0.9956 0.9908 0.9878 0.9941 0.9999 0.9959	88.81 88.53 88.27 87.74 86.86 86.48 85.69 84.64 84.14 84.13
58.5 59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5	9,042,081 6,579,061 6,549,786 4,353,326 3,141,441 3,121,927 3,121,431 1,619,105	201,203 2,763 1,662 496 11,427	0.0223 0.0000 0.0004 0.0004 0.0000 0.0002 0.0000 0.0071	0.9777 1.0000 0.9996 0.9996 1.0000 0.9998 1.0000 0.9929	83.78 81.92 81.92 81.88 81.85 81.84 81.84 81.26



ORIGINAL CURVE = 1911-2017 EXPERIENCE 1988-2017 EXPERIENCE 1951-2017 PLACEMENTS IOWA 65-L0.5 100 8 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS 9 20 ____ 9 10-9 8 9 9 50 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 312 BOILER PLANT EQUIPMENT

PACIFICORP

ACCOUNT 312 BOILER PLANT EQUIPMENT

PLACEMENT	BAND 1911-2017		EXPER	RIENCE BAN	D 1916-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	5,747,424,951 5,637,076,008 5,415,519,942 5,169,872,944 4,979,744,569 4,900,652,436 4,551,151,158 4,103,404,963 3,616,341,003 3,433,783,051	628,522 3,488,910 5,339,402 8,324,755 36,608,141 28,560,528 15,505,865 15,100,316 19,070,871 20,703,818	0.0001 0.0006 0.0010 0.0016 0.0074 0.0058 0.0034 0.0037 0.0053 0.0060	0.9999 0.9994 0.9990 0.9984 0.9926 0.9942 0.9966 0.9963 0.9947 0.9940	100.00 99.99 99.93 99.83 99.67 98.94 98.36 98.02 97.66 97.15
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	3,188,349,974 3,067,922,979 2,845,571,863 2,742,657,085 2,666,050,583 2,563,897,569 2,494,228,523 2,425,445,660 2,379,482,368 2,304,986,066	25,253,974 11,071,966 20,405,544 15,256,598 19,652,262 16,760,480 18,078,878 22,153,641 12,842,258 20,957,780	0.0079 0.0036 0.0072 0.0056 0.0074 0.0065 0.0072 0.0091 0.0054 0.0091	0.9921 0.9964 0.9928 0.9944 0.9926 0.9935 0.9928 0.9909	96.56 95.80 95.45 94.77 94.24 93.55 92.93 92.26 91.42 90.92
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	2,234,865,171 2,197,506,068 2,164,574,193 2,125,870,580 2,037,621,831 1,974,702,422 1,922,809,369 1,856,121,725 1,698,371,186 1,646,597,735	13,365,559 12,165,108 15,629,777 20,546,629 22,705,957 20,348,680 12,281,692 25,668,626 9,355,149 33,839,482	0.0060 0.0055 0.0072 0.0097 0.0111 0.0103 0.0064 0.0138 0.0055 0.0206	0.9940 0.9945 0.9928 0.9903 0.9889 0.9897 0.9936 0.9862 0.9945 0.9794	90.10 89.56 89.06 88.42 87.56 86.59 85.70 85.15 83.97
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	1,568,335,760 1,534,146,157 1,344,252,642 1,307,885,863 1,183,003,962 923,288,071 911,180,031 733,858,871 655,191,696 531,023,002	11,175,610 12,191,953 20,421,112 27,091,154 16,599,750 6,065,409 8,611,365 21,069,851 10,158,009 5,126,957	0.0071 0.0079 0.0152 0.0207 0.0140 0.0066 0.0095 0.0287 0.0155 0.0097	0.9929 0.9921 0.9848 0.9793 0.9860 0.9934 0.9905 0.9713 0.9845 0.9903	81.79 81.21 80.56 79.34 77.70 76.61 76.10 75.38 73.22 72.09



ACCOUNT 312 BOILER PLANT EQUIPMENT

PLACEMENT F	BAND 1911-2017		EXPER	RIENCE BAN	D 1916-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	390,705,032 333,391,246 236,661,912 192,407,565 105,715,395 101,588,424 82,984,727 63,838,054 61,643,275 59,740,867	3,126,844 4,197,695 5,943,277 2,103,665 2,869,872 894,075 2,894,834 1,911,991 1,676,197 1,857,597	0.0080 0.0126 0.0251 0.0109 0.0271 0.0088 0.0349 0.0300 0.0272 0.0311	0.9920 0.9874 0.9749 0.9891 0.9729 0.9912 0.9651 0.9700 0.9728 0.9689	71.39 70.82 69.93 68.17 67.42 65.59 65.02 62.75 60.87 59.21
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	59,740,867 50,513,278 49,155,441 47,235,847 44,540,210 35,319,170 28,404,054 27,988,836 27,599,611 23,575,575 20,172,645	1,857,597 1,322,412 1,739,907 510,550 477,742 1,005,543 396,288 264,534 139,536 33,505 585,421	0.0311 0.0262 0.0354 0.0108 0.0107 0.0285 0.0140 0.0095 0.0051 0.0014 0.0290	0.9689 0.9738 0.9646 0.9892 0.9893 0.9715 0.9860 0.9905 0.9949 0.9986 0.9710	57.37 55.87 53.89 53.31 52.74 51.24 50.52 50.05 49.79
59.5 60.5 61.5 62.5 63.5 64.5 65.5	15,365,527 15,361,519 12,294,999 7,021,753 6,754,394 6,751,313 3,009,181	4,131 22,807 2,080 2,939 19,030	0.0000 0.0003 0.0019 0.0000 0.0003 0.0004 0.0063	1.0000 0.9997 0.9981 1.0000 0.9997 0.9996 0.9937	48.28 48.28 48.27 48.18 48.16 48.14 47.84



ACCOUNT 312 BOILER PLANT EQUIPMENT

PLACEMENT	BAND 1951-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5	3,727,337,652 3,646,498,780 3,606,830,435	434,770 3,110,963 4,983,337	0.0001 0.0009 0.0014	0.9999 0.9991 0.9986	100.00 99.99 99.90
2.5 3.5 4.5 5.5 6.5 7.5 8.5	3,381,459,029 3,263,143,014 3,435,662,128 3,093,975,773 2,874,054,727 2,497,200,638 2,475,830,131	7,788,373 35,891,148 28,435,886 13,954,791 13,821,939 17,982,822 18,081,551	0.0023 0.0110 0.0083 0.0045 0.0048 0.0072 0.0073	0.9977 0.9890 0.9917 0.9955 0.9952 0.9928 0.9927	99.77 99.54 98.44 97.63 97.19 96.72 96.02
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5	2,476,961,499 2,482,246,518 2,396,480,839 2,355,461,699 2,430,897,111 2,365,732,767 2,368,180,809 2,327,965,891 2,283,847,821	17,727,974 10,593,742 20,163,470 13,189,214 18,036,237 15,932,590 17,897,257 20,935,382 12,196,122	0.0072 0.0043 0.0084 0.0056 0.0074 0.0067 0.0076 0.0090 0.0053	0.9928 0.9957 0.9916 0.9944 0.9926 0.9933 0.9924 0.9910 0.9947	95.32 94.64 94.23 93.44 92.92 92.23 91.61 90.92 90.10
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5	2,203,047,021 2,210,041,513 2,153,860,059 2,116,760,059 2,083,991,141 2,049,750,425 1,977,899,136 1,926,103,018 1,875,053,551 1,808,687,712	12,130,122 20,868,470 13,218,725 12,089,638 14,781,242 20,203,749 22,595,639 19,895,115 12,216,167 24,070,441	0.0094 0.0061 0.0057 0.0071 0.0099 0.0114 0.0103 0.0065 0.0133	0.9906 0.9939 0.9943 0.9929 0.9901 0.9886 0.9897 0.9935 0.9867	89.62 88.77 88.23 87.72 87.10 86.24 85.26 84.37 83.83
27.5 28.5 29.5 30.5 31.5 32.5 33.5 34.5 35.5	1,659,825,673 1,609,576,805 1,540,567,845 1,512,047,980 1,322,399,622 1,292,219,705 1,172,073,841 912,619,470 905,346,342	9,241,745 33,183,473 11,044,870 11,952,970 20,376,884 26,610,293 16,344,546 6,025,096 8,608,118	0.0056 0.0206 0.0072 0.0079 0.0154 0.0206 0.0139 0.0066 0.0095	0.9944 0.9794 0.9928 0.9921 0.9846 0.9794 0.9861 0.9934 0.9905	82.71 82.25 80.55 79.98 79.34 78.12 76.51 75.45 74.95
36.5 37.5 38.5	731,575,241 652,971,695 528,839,494	21,020,444 10,123,452 5,085,765	0.0287 0.0155 0.0096	0.9713 0.9845 0.9904	74.23 72.10 70.98



ACCOUNT 312 BOILER PLANT EQUIPMENT

PLACEMENT H	BAND 1951-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	388,566,311 331,325,154 234,615,391 190,801,359 104,136,220 100,021,820 81,450,749 62,323,052 60,343,268 58,882,564	3,109,550 4,184,132 5,804,718 2,103,252 2,864,463 893,639 2,889,784 1,697,027 1,445,485 1,780,378	0.0080 0.0126 0.0247 0.0110 0.0275 0.0089 0.0355 0.0272 0.0240 0.0302	0.9920 0.9874 0.9753 0.9890 0.9725 0.9911 0.9645 0.9728 0.9760 0.9698	70.30 69.74 68.86 67.15 66.41 64.59 64.01 61.74 60.06 58.62
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	49,760,436 48,420,192 46,640,249 44,183,637 34,964,032 28,068,181 27,658,008 27,271,110 23,255,089 19,852,159	1,780,378 1,316,591 1,739,067 510,550 477,742 1,005,543 396,288 264,534 139,536 33,505 585,421	0.0362 0.0265 0.0359 0.0109 0.0108 0.0288 0.0141 0.0096 0.0051 0.0014 0.0295	0.9698 0.9735 0.9641 0.9891 0.9892 0.9712 0.9859 0.9904 0.9949 0.9986 0.9705	58.62 56.85 55.34 53.36 52.77 52.20 50.70 49.98 49.51 49.25 49.18
59.5 60.5 61.5 62.5 63.5 64.5 65.5	15,045,449 15,045,024 11,979,336 6,755,209 6,754,394 6,751,313 3,009,181	4,131 22,807 2,080 2,939 19,030	0.0000 0.0003 0.0019 0.0000 0.0003 0.0004 0.0063	1.0000 0.9997 0.9981 1.0000 0.9997 0.9996 0.9937	47.73 47.73 47.72 47.63 47.63 47.61 47.59



ORIGINAL CURVE = 1916-2017 EXPERIENCE 1910-2017 PLACEMENTS 1988-2017 EXPERIENCE 1951-2017 PLACEMENTS IOWA 50-\$0 100 8 AGE IN YEARS 9 20 ____ 100 1 10-9 8 9 9 50 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 314 TURBOGENERATOR UNITS ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 314 TURBOGENERATOR UNITS

PLACEMENT	BAND 1910-2017		EXPER	RIENCE BAN	D 1916-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	1,406,785,213	25,882	0.0000	1.0000	100.00
0.5	1,389,862,707	368,498	0.0003	0.9997	100.00
1.5	1,344,589,621	12,729,291	0.0095	0.9905	99.97
2.5	1,312,878,968	758,150	0.0006	0.9994	99.03
3.5	1,293,965,576	1,855,150	0.0014	0.9986	98.97
4.5	1,247,906,072	2,192,396	0.0018	0.9982	98.83
5.5	1,205,819,637	2,181,143	0.0018	0.9982	98.65
6.5	1,117,029,921	2,947,543	0.0026	0.9974	98.47
7.5	1,028,155,371	5,896,008	0.0057	0.9943	98.21
8.5	978,671,445	3,140,207	0.0032	0.9968	97.65
9.5	936,310,920	7,420,401	0.0079	0.9921	97.34
10.5	881,144,727	2,875,993	0.0033	0.9967	96.57
11.5	831,168,311	7,477,546	0.0090	0.9910	96.25
12.5	796,775,644	3,725,498	0.0047	0.9953	95.39
13.5	757,601,076	7,009,828	0.0093	0.9907	94.94
14.5	711,250,406	10,175,486	0.0143	0.9857	94.06
15.5	685,193,574	5,738,283	0.0084	0.9916	92.72
16.5	656,081,576	4,251,902	0.0065	0.9935	91.94
17.5	640,560,200	5,431,909	0.0085	0.9915	91.34
18.5	614,265,265	5,069,412	0.0083	0.9917	90.57
19.5	573,768,790	12,769,519	0.0223	0.9777	89.82
20.5	544,864,605	3,029,104	0.0056	0.9944	87.82
21.5	531,173,650	17,562,659	0.0331	0.9669	87.33
22.5	502,978,029	13,465,016	0.0268	0.9732	84.45
23.5	468,168,667	9,130,773	0.0195	0.9805	82.19
24.5	452,527,832	6,737,352	0.0149	0.9851	80.58
25.5	437,813,017	8,630,697	0.0197	0.9803	79.38
26.5	421,730,021	11,438,028	0.0271	0.9729	77.82
27.5	389,544,881	2,866,937	0.0074	0.9926	75.71
28.5	370,288,275	10,671,157	0.0288	0.9712	75.15
29.5	349,336,900	3,832,546	0.0110	0.9890	72.98
30.5	338,973,651	5,495,882	0.0162	0.9838	72.18
31.5	320,132,435	2,686,032	0.0084	0.9916	71.01
32.5	316,298,582	22,076,159	0.0698	0.9302	70.42
33.5	279,092,381	8,937,227	0.0320	0.9680	65.50
34.5	246,769,697	4,142,580	0.0168	0.9832	63.41
35.5	239,193,057	4,684,818	0.0196	0.9804	62.34
36.5	200,706,415	5,894,528	0.0294	0.9706	61.12
37.5	181,973,597	3,811,480	0.0209	0.9791	59.32
38.5	157,315,286	940,052	0.0060	0.9940	58.08



ACCOUNT 314 TURBOGENERATOR UNITS

PLACEMENT E	BAND 1910-2017		EXPER	RIENCE BAN	D 1916-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5	117,719,365 93,352,141 82,434,788 70,343,377 57,801,615 56,715,738 47,986,171 40,491,435 39,338,821	879,562 446,867 986,969 242,039 1,009,686 945,642 780,078 1,146,656 977,796	0.0075 0.0048 0.0120 0.0034 0.0175 0.0167 0.0163 0.0283 0.0249	0.9925 0.9952 0.9880 0.9966 0.9825 0.9833 0.9837 0.9717	57.74 57.30 57.03 56.35 56.15 55.17 54.25 53.37 51.86
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	38,060,017 33,540,763 33,469,919 31,822,851 29,444,148 25,021,730 20,601,036 20,373,776 20,331,470 17,390,287 14,919,674	467,494 63,662 1,574,247 196,591 270,870 204,012 225,776 36,905 74,345 50,287 81,343	0.0123 0.0019 0.0470 0.0062 0.0092 0.0082 0.0110 0.0018 0.0037 0.0029 0.0055	0.9877 0.9981 0.9530 0.9938 0.9908 0.9918 0.9890 0.9982 0.9963 0.9971 0.9945	50.57 49.95 49.85 47.51 47.22 46.78 46.40 45.89 45.81 45.64 45.51
59.5 60.5 61.5 62.5 63.5 64.5 65.5	12,328,912 12,280,971 10,764,758 6,792,053 6,488,803 6,488,803 2,860,187	6,639 6,479	0.0000 0.0005 0.0006 0.0000 0.0000 0.0000	1.0000 0.9995 0.9994 1.0000 1.0000 1.0000	45.26 45.26 45.24 45.21 45.21 45.21 45.21 45.21



ACCOUNT 314 TURBOGENERATOR UNITS

PLACEMENT	BAND 1951-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0 0.5	886,028,869 874,458,692	2,283 227,933	0.0000	1.0000 0.9997	100.00
1.5	846,104,957	617,238	0.0007	0.9993	99.97
2.5	829,571,051	676,100	0.0008	0.9992	99.90
3.5	838,110,139	1,793,892	0.0021	0.9979	99.82
4.5	845,673,457	2,064,701	0.0024	0.9976	99.61
5.5 6.5	805,213,491 763,326,919	1,432,022 2,703,720	0.0018 0.0035	0.9982 0.9965	99.36 99.19
7.5	704,091,205	5,873,028	0.0033	0.9903	98.83
8.5	692,640,558	3,131,220	0.0045	0.9955	98.01
9.5	715,601,337	7,000,487	0.0098	0.9902	97.57
10.5	704,551,847	2,601,074	0.0037	0.9963	96.61
11.5	675,301,534	7,319,575	0.0108	0.9892	96.26
12.5	667,201,804	3,713,018	0.0056	0.9944	95.21
13.5	650,543,531	6,865,380	0.0106	0.9894	94.68
14.5	617,809,352	7,600,676	0.0123	0.9877	93.68
15.5	620,854,013	5,733,526	0.0092	0.9908	92.53
16.5 17.5	603,235,879	4,233,540	0.0070	0.9930 0.9909	91.68
18.5	587,752,292 561,533,356	5,373,462 5,012,202	0.0091 0.0089	0.9909	91.03 90.20
19.5	527,583,334	12,646,723	0.0240	0.9760	89.40
20.5	498,810,313	3,016,791	0.0060	0.9940	87.25
21.5	485,134,488	17,106,796	0.0353	0.9647	86.72
22.5	459,466,913	13,422,909	0.0292	0.9708	83.67
23.5	431,131,725	9,129,485	0.0212	0.9788	81.22
24.5	421,473,649 406,946,621	6,551,846 8,601,576	0.0155	0.9845 0.9789	79.50
25.5 26.5	391,205,840	10,832,342	0.0211 0.0277	0.9769	78.27 76.61
27.5	363,871,379	2,860,329	0.0277	0.9921	74.49
28.5	345,347,377	10,479,029	0.0303	0.9697	73.91
29.5	328,366,798	3,634,184	0.0111	0.9889	71.66
30.5	322,250,129	5,112,615	0.0159	0.9841	70.87
31.5	303,792,926	2,588,349	0.0085	0.9915	69.75
32.5	304,426,913	22,069,307	0.0725	0.9275	69.15
33.5	269,636,154	8,337,232	0.0309	0.9691	64.14
34.5	237,913,576	4,131,647	0.0174	0.9826	62.16
35.5	234,052,799	4,684,255	0.0200	0.9800	61.08
36.5	198,540,609	5,887,735	0.0297	0.9703	59.85
37.5	179,815,440	3,769,230	0.0210	0.9790	58.08
38.5	155,199,379	939,913	0.0061	0.9939	56.86



ACCOUNT 314 TURBOGENERATOR UNITS

PLACEMENT F	BAND 1951-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	115,604,274	838,012	0.0072	0.9928	56.52
40.5	91,323,190	446,315	0.0049	0.9951	56.11
41.5	80,406,388	986,969	0.0123	0.9877	55.83
42.5	68,641,338	241,227	0.0035	0.9965	55.15
43.5	56,105,298	1,009,441	0.0180	0.9820	54.95
44.5	55,027,541	945,642	0.0172	0.9828	53.96
45.5	46,317,139	780,011	0.0168	0.9832	53.04
46.5	38,849,836	905,441	0.0233	0.9767	52.14
47.5	37,938,973	949,937	0.0250	0.9750	50.93
48.5	36,989,036	467,494	0.0126	0.9874	49.65
49.5	32,470,131	63,662	0.0020	0.9980	49.03
50.5	32,402,440	1,574,247	0.0486	0.9514	48.93
51.5	30,828,193	196,591	0.0064	0.9936	46.55
52.5	29,075,904	270,870	0.0093	0.9907	46.26
53.5	24,653,486	204,012	0.0083	0.9917	45.83
54.5	20,232,792	225,776	0.0112	0.9888	45.45
55.5	20,005,532	36,905	0.0018	0.9982	44.94
56.5	19,963,226	74,345	0.0037	0.9963	44.86
57.5	17,022,043	50,287	0.0030	0.9970	44.69
58.5	14,551,430	81,343	0.0056	0.9944	44.56
59.5 60.5 61.5 62.5 63.5 64.5 65.5	12,016,516 11,968,575 10,461,508 6,488,803 6,488,803 6,488,803 2,860,187	6,639 6,479	0.0000 0.0006 0.0006 0.0000 0.0000 0.0000	1.0000 0.9994 0.9994 1.0000 1.0000 1.0000	44.31 44.31 44.28 44.26 44.26 44.26 44.26



ORIGINAL CURVE = 1911-2017 EXPERIENCE 1988-2017 EXPERIENCE 1951-2017 PLACEMENTS 100 I**þ**WA 80-R2.5 8 AGE IN YEARS 9 20 ____ 100 70-10-8 8 9 50 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT	BAND 1911-2017		EXPER	RIENCE BAN	D 1916-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	532,398,271 527,122,843 521,777,943 519,303,113 506,137,805 502,345,258 474,916,885 436,240,193 390,084,471 386,209,045	2,772 141,311 23,845 104,404 304,034 106,783 659,559 615,162 222,917 603,318	0.0000 0.0003 0.0000 0.0002 0.0006 0.0002 0.0014 0.0014 0.0006 0.0016	1.0000 0.9997 1.0000 0.9998 0.9994 0.9986 0.9986 0.9986 0.9994	100.00 100.00 99.97 99.97 99.95 99.89 99.87 99.73 99.59
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	364,927,138 358,235,961 340,015,441 335,982,879 332,823,709 330,416,295 328,105,022 325,585,858 324,784,241 323,052,621	927,216 282,576 183,365 445,706 278,942 1,106,602 1,228,646 504,022 638,845 217,719	0.0025 0.0008 0.0005 0.0013 0.0008 0.0033 0.0037 0.0015 0.0020 0.0007	0.9975 0.9992 0.9995 0.9987 0.9992 0.9967 0.9963 0.9985 0.9980 0.9993	99.38 99.12 99.04 98.99 98.86 98.78 98.45 98.08 97.93 97.73
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	318,356,985 317,204,302 315,481,413 313,724,367 310,924,621 309,546,691 305,733,460 304,700,050 297,625,855 293,508,787	348,083 592,727 429,107 607,574 485,581 2,040,572 491,811 581,203 679,780 1,274,913	0.0011 0.0019 0.0014 0.0019 0.0016 0.0066 0.0016 0.0019 0.0023 0.0043	0.9989 0.9981 0.9986 0.9981 0.9984 0.9934 0.9981 0.9987 0.9957	97.67 97.56 97.38 97.25 97.06 96.91 96.27 96.11 95.93 95.71
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	291,520,158 290,231,898 286,163,525 284,984,810 274,091,029 221,931,229 220,489,648 175,014,453 152,539,003 125,825,757	352,391 386,459 596,171 910,171 837,910 447,396 413,636 479,505 492,557 214,312	0.0012 0.0013 0.0021 0.0032 0.0031 0.0020 0.0019 0.0027 0.0032 0.0017	0.9988 0.9987 0.9979 0.9968 0.9969 0.9980 0.9973 0.9968 0.9983	95.29 95.18 95.05 94.85 94.55 94.26 94.07 93.90 93.64 93.34



ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT F	BAND 1911-2017		EXPER	RIENCE BAN	D 1916-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	81,197,697 65,449,380 49,254,474 39,022,160 20,400,002 20,206,281 16,872,458 12,735,613 12,544,686 12,303,596	191,791 388,851 428,101 215,033 125,371 57,186 189,902 157,345 180,990 37,938	0.0024 0.0059 0.0087 0.0055 0.0061 0.0028 0.0113 0.0124 0.0144 0.0031	0.9976 0.9941 0.9913 0.9945 0.9939 0.9972 0.9887 0.9876 0.9856	93.18 92.96 92.40 91.60 91.10 90.54 90.28 89.26 88.16 86.89
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	10,576,144 10,447,864 10,368,131 9,563,655 7,737,839 6,210,149 6,168,774 5,536,627 5,128,906 4,393,120	61,831 23,169 43,470 17,964 60,123 41,375 120,658 12,489 1,261 117,289	0.0058 0.0022 0.0042 0.0019 0.0078 0.0067 0.0196 0.0023 0.0002 0.0267	0.9942 0.9978 0.9958 0.9981 0.9922 0.9933 0.9804 0.9977 0.9998	86.62 86.12 85.92 85.56 85.40 84.74 84.17 82.53 82.34
59.5 60.5 61.5 62.5 63.5 64.5 65.5	3,254,835 3,241,109 2,425,481 1,572,456 1,524,999 1,524,271 653,014	6,272 895 854 17,808 10,462	0.0019 0.0003 0.0004 0.0000 0.0000 0.0117 0.0160	0.9981 0.9997 0.9996 1.0000 1.0000 0.9883 0.9840	80.12 79.97 79.95 79.92 79.92 79.92 78.99 77.72



ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT	BAND 1951-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	220,802,255 216,877,542 215,190,444 213,318,364 210,738,513 259,092,736 232,625,832 240,258,522 217,569,784 240,963,119	141,311 7,120 31,759 294,679 95,715 489,525 588,291 210,397 334,378	0.0000 0.0007 0.0000 0.0001 0.0014 0.0004 0.0021 0.0024 0.0010 0.0014	1.0000 0.9993 1.0000 0.9999 0.9986 0.9996 0.9979 0.9976 0.9990	100.00 100.00 99.93 99.93 99.92 99.78 99.74 99.53 99.29 99.19
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	267,273,326 277,718,769 277,058,969 283,927,859 300,863,896 302,709,097 308,460,293 310,274,526 309,519,305 307,890,754	674,008 248,135 112,075 125,710 225,075 1,051,145 1,215,878 492,894 578,995 178,302	0.0025 0.0009 0.0004 0.0004 0.0007 0.0035 0.0039 0.0016 0.0019	0.9975 0.9991 0.9996 0.9996 0.9993 0.9965 0.9961 0.9984 0.9981 0.9994	99.05 98.80 98.71 98.67 98.63 98.56 98.22 97.83 97.67
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	305,215,845 304,197,413 302,562,722 301,831,303 301,422,561 301,904,199 298,100,936 297,590,766 290,983,285 286,973,341	265,154 581,895 305,125 489,162 461,773 2,035,164 489,939 575,002 672,479 1,107,568	0.0009 0.0019 0.0010 0.0016 0.0015 0.0067 0.0016 0.0019 0.0023 0.0039	0.9991 0.9981 0.9990 0.9984 0.9985 0.9933 0.9984 0.9981 0.9977	97.43 97.35 97.16 97.06 96.91 96.76 96.11 95.95 95.76
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	286,381,288 285,909,727 281,873,383 281,747,705 271,831,331 219,894,274 219,366,312 174,640,057 152,168,597 125,457,932	346,236 372,538 590,859 899,595 615,895 446,044 413,138 475,565 492,509 214,312	0.0012 0.0013 0.0021 0.0032 0.0023 0.0020 0.0019 0.0027 0.0032 0.0017	0.9988 0.9987 0.9979 0.9968 0.9977 0.9980 0.9981 0.9973 0.9968 0.9983	95.17 95.06 94.93 94.74 94.43 94.22 94.03 93.85 93.59 93.29



ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT	BAND 1951-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	80,829,980 65,090,970 48,897,657 38,745,836 20,138,785 19,947,303 16,618,657 12,485,896 12,388,947 12,198,581 10,471,168 10,348,277 10,281,946 9,496,031 7,670,490 6,142,800 6,101,425 5,469,278 5,061,556 4,327,135	191,545 388,807 425,661 200,005 125,327 57,186 189,835 63,374 180,990 37,938 61,831 22,668 43,470 17,964 60,123 41,375 120,658 12,489 1,261 112,289	0.0024 0.0060 0.0087 0.0052 0.0062 0.0029 0.0114 0.0051 0.0146 0.0031 0.0059 0.0022 0.0042 0.0019 0.0078 0.0067 0.0198 0.0023 0.0022 0.00259	0.9976 0.9940 0.9913 0.9948 0.9938 0.9971 0.9886 0.9949 0.9854 0.9969 0.9969 0.9941 0.9978 0.9958 0.9958 0.9981 0.9922 0.9933 0.9802 0.9977 0.9998 0.99741	93.13 92.91 92.36 91.55 91.08 90.51 90.25 89.22 88.77 87.47 87.20 86.69 86.50 86.13 85.97 85.29 84.72 83.04 82.85 82.83
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5	3,194,041 3,183,121 2,367,632 1,524,999 1,524,271 653,014	3,598 895 854 17,808 10,462	0.0011 0.0003 0.0004 0.0000 0.0000 0.0117 0.0160	0.9989 0.9997 0.9996 1.0000 1.0000 0.9883 0.9840	80.68 80.59 80.57 80.54 80.54 79.60 78.33



ORIGINAL CURVE = 1911-2017 EXPERIENCE 1988-2017 EXPERIENCE 1936-2017 PLACEMENTS 100 OWA 45-L0 8 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS 9 20 ____ 1001 10-9 8 9 9 20 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

PACIFICORP

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT 1	BAND 1911-2017		EXPER	RIENCE BAN	D 1916-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	47,215,349		0.0000	1.0000	100.00
0.5	45,967,235	121,890	0.0027	0.9973	100.00
1.5	45,633,015	229,150	0.0050	0.9950	99.73
2.5	45,194,321	299,754	0.0066	0.9934	99.23
3.5	44,668,191	293,232	0.0066	0.9934	98.58
4.5	43,499,912	271,275	0.0062	0.9938	97.93
5.5	42,741,181	765,221	0.0179	0.9821	97.32
6.5	41,469,149	452,388	0.0109	0.9891	95.58
7.5	36,735,121	600,224	0.0163	0.9837	94.53
8.5	33,005,773	515,905	0.0156	0.9844	92.99
9.5	32,239,425	460,971	0.0143	0.9857	91.53
10.5	30,463,653	232,916	0.0076	0.9924	90.23
11.5	27,323,806	502,646	0.0184	0.9816	89.54
12.5	26,636,558	1,463,065	0.0549	0.9451	87.89
13.5	24,597,981	1,077,347	0.0438	0.9562	83.06
14.5	23,412,982	219,930	0.0094	0.9906	79.42
15.5	22,699,293	213,958	0.0094	0.9906	78.68
16.5	21,349,472	360,875	0.0169	0.9831	77.94
17.5	20,974,911	632,880	0.0302	0.9698	76.62
18.5	19,868,653	372,173	0.0187	0.9813	74.31
19.5	19,448,482	53,204	0.0027	0.9973	72.92
20.5	18,812,872	192,330	0.0102	0.9898	72.72
21.5	18,544,163	197,137	0.0106	0.9894	71.97
22.5	18,345,851	142,076	0.0077	0.9923	71.21
23.5	17,484,802	354,223	0.0203	0.9797	70.66
24.5	17,066,961	646,222	0.0379	0.9621	69.22
25.5	16,089,901	133,698	0.0083	0.9917	66.60
26.5	15,821,390	393,222	0.0249	0.9751	66.05
27.5	15,237,936	16,697	0.0011	0.9989	64.41
28.5	15,083,940	1,076,392	0.0714	0.9286	64.34
29.5	13,866,901	125,278	0.0090	0.9910	59.75
30.5	13,715,943	282,742	0.0206	0.9794	59.21
31.5	12,945,929	147,214	0.0114	0.9886	57.99
32.5	12,775,558	260,626	0.0204	0.9796	57.33
33.5	11,864,343	285,943	0.0241	0.9759	56.16
34.5	10,074,997	4,289	0.0004	0.9996	54.80
35.5	10,022,854	199,198	0.0199	0.9801	54.78
36.5	7,047,450	70,887	0.0101	0.9899	53.69
37.5	6,121,526	179,810	0.0294	0.9706	53.15
38.5	3,905,608	54,643	0.0140	0.9860	51.59



ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT	BAND 1911-2017		EXPE	RIENCE BANI) 1916-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	2,862,063 2,412,104 1,896,081 1,673,410 1,050,814 1,050,405 899,054 688,622 682,607 677,826	36,262 55,803 22,114 8,750 3,259 5,446 3,542 2,412	0.0127 0.0000 0.0294 0.0132 0.0000 0.0083 0.0036 0.0079 0.0052 0.0036	0.9873 1.0000 0.9706 0.9868 1.0000 0.9917 0.9964 0.9921 0.9948 0.9964	50.87 50.22 50.22 48.75 48.10 48.10 47.70 47.53 47.15 46.91
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	392,744 390,747 379,412 338,728 299,710 203,787 152,860 152,784 129,352 84,832	19 50,815	0.0000 0.0000 0.0000 0.0000 0.0000 0.2494 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 0.7506 1.0000 1.0000 1.0000	46.74 46.74 46.74 46.74 46.74 35.08 35.08 35.08
59.5 60.5 61.5 62.5 63.5 64.5 65.5	84,686 84,682 81,377 33,965 33,965 33,965 21,262		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	35.08 35.08 35.08 35.08 35.08 35.08 35.08



ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT	BAND 1936-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	24,326,574 23,273,419 24,333,845 24,333,869 25,915,196 26,999,114 26,569,052 28,396,516	1,613 7,792 146,034 185,416 92,282 632,193 189,928 428,086	0.0000 0.0001 0.0003 0.0060 0.0072 0.0034 0.0238 0.0067 0.0171	1.0000 0.9999 0.9997 0.9940 0.9928 0.9966 0.9762 0.9933 0.9829	100.00 100.00 99.99 99.96 99.36 98.65 98.31 95.97 95.33
8.5 9.5	25,036,730 24,176,357 25,552,012	435,472 218,130	0.0171	0.9829	93.33 93.70 92.01
10.5	24,782,846	114,386	0.0046	0.9954	91.23
11.5	22,736,818	476,136	0.0209	0.9791	90.81
12.5	22,842,301	1,322,261	0.0579	0.9421	88.91
13.5	21,871,279	1,054,692	0.0482	0.9518	83.76
14.5	20,996,900	200,806	0.0096	0.9904	79.72
15.5	21,096,855	211,259	0.0100	0.9900	78.96
16.5	20,034,578	320,887	0.0160	0.9840	78.17
17.5	19,701,542	598,231	0.0304	0.9696	76.92
18.5	18,631,939	350,141	0.0188	0.9812	74.58
19.5	18,579,874	51,558	0.0028	0.9972	73.18
20.5	17,947,040	160,597	0.0089	0.9911	72.98
21.5	17,714,773	158,382	0.0089	0.9911	72.32
22.5	17,627,484	126,346	0.0072	0.9928	71.68
23.5	16,822,564	344,836	0.0205	0.9795	71.16
24.5	16,612,628	627,377	0.0378	0.9622	69.70
25.5	15,654,879	130,865	0.0084	0.9916	67.07
26.5	15,394,655	391,973	0.0255	0.9745	66.51
27.5	14,840,837	14,476	0.0010	0.9990	64.82
28.5	14,692,295	1,073,524	0.0731	0.9269	64.75
29.5	13,521,043 13,455,642 12,691,738 12,590,341 11,745,592 9,959,776 9,934,533 7,003,231 6,077,456 3,861,790	124,830	0.0092	0.9908	60.02
30.5		276,898	0.0206	0.9794	59.47
31.5		146,665	0.0116	0.9884	58.24
32.5		258,130	0.0205	0.9795	57.57
33.5		283,129	0.0241	0.9759	56.39
34.5		1,663	0.0002	0.9998	55.03
35.5		198,762	0.0200	0.9800	55.02
36.5		70,887	0.0101	0.9899	53.92
37.5		179,810	0.0296	0.9704	53.38
38.5		54,643	0.0141	0.9859	51.80



ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT	BAND 1936-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	2,819,573 2,371,742 1,855,735 1,634,600 1,013,378 1,013,378 863,067 655,370 655,370 651,828	36,243 55,803 21,942 8,750 3,053 3,542 2,412	0.0129 0.0000 0.0301 0.0134 0.0000 0.0086 0.0035 0.0000 0.0054 0.0037	0.9871 1.0000 0.9699 0.9866 1.0000 0.9914 0.9965 1.0000 0.9946 0.9963	51.06 50.41 50.41 48.89 48.24 47.82 47.65 47.65 47.39
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	367,113 366,468 369,470 335,912 296,905 201,016 150,201 150,201 127,012 83,898	50,815	0.0000 0.0000 0.0000 0.0000 0.0000 0.2528 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 0.7472 1.0000 1.0000	47.22 47.22 47.22 47.22 47.22 47.22 35.28 35.28 35.28
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5	83,898 83,898 80,896 33,965 33,965 21,262		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	35.28 35.28 35.28 35.28 35.28 35.28 35.28



ORIGINAL CURVE | 1918-2017 EXPERIENCE | 1895-2017 PLACEMENTS 160 140 120 80 100 AGE IN YEARS 9 9 20 ____ 10 II 8 70-50-10-8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

PLACEMENT H	BAND 1895-2017		EXPER	RIENCE BAN	1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	273,480,081 261,981,614 259,727,798 242,964,701 184,845,691 178,726,690 139,088,580 108,432,188	519 7,510 2,823,517 83,138 60,786 124,842 152,376 88,814	0.0000 0.0000 0.0109 0.0003 0.0003 0.0007 0.0011 0.0008	1.0000 1.0000 0.9891 0.9997 0.9997 0.9993 0.9989	100.00 100.00 100.00 98.91 98.88 98.84 98.77 98.67
7.5	103,700,033	92,240	0.0009	0.9991	98.59
8.5	93,743,332	216,425	0.0023	0.9977	98.50
9.5	90,112,814	54,539	0.0006	0.9994	98.27
10.5	87,273,006	115,393	0.0013	0.9987	98.21
11.5	84,920,955	71,014	0.0008	0.9992	98.08
12.5	82,710,730	96,191	0.0012	0.9988	98.00
13.5	79,581,370	96,008	0.0012	0.9988	97.89
14.5	78,700,269	99,182	0.0013	0.9987	97.77
15.5	76,698,720	149,968	0.0020	0.9980	97.64
16.5	75,664,811	222,811	0.0029	0.9971	97.45
17.5	74,313,234	177,799	0.0024	0.9976	97.17
18.5	72,315,158	407,658	0.0056	0.9944	96.93
19.5	71,676,569	302,526	0.0042		96.39
20.5	68,521,241	174,665	0.0025	0.9975	95.98
21.5	64,895,060	519,700	0.0080	0.9920	95.74
22.5	60,047,451	137,719	0.0023	0.9977	94.97
23.5	54,791,535	242,314	0.0044	0.9956	94.75
24.5	40,971,518	107,780	0.0026	0.9974	94.33
25.5	33,460,664	132,525	0.0040	0.9960	94.08
26.5	32,459,157	59,956	0.0018	0.9982	93.71
27.5	31,269,373	125,648	0.0040	0.9960	93.54
28.5	30,160,048	65,233	0.0022	0.9978	93.16
29.5 30.5 31.5 32.5 33.5 34.5 35.5	28,884,763 28,641,300 27,252,818 26,365,294 26,115,925 25,103,782 24,717,100 24,517,552	57,103 121,110 18,215 128,733 68,960 90,130 75,915 132,603	0.0020 0.0042 0.0007 0.0049 0.0026 0.0036 0.0031	0.9980 0.9958 0.9993 0.9951 0.9974 0.9964 0.9969	92.96 92.78 92.38 92.32 91.87 91.63 91.30 91.02
37.5	24,045,735	40,659	0.0017	0.9983	90.53
38.5	23,709,388	49,502	0.0021	0.9979	90.37



ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	23,425,958 23,073,632 22,923,366 22,748,140 22,404,563 22,226,834 21,985,205 21,712,385 21,128,308	38,403 91,116 48,152 130,248 61,007 38,302 53,994 45,126 54,742	0.0016 0.0039 0.0021 0.0057 0.0027 0.0017 0.0025 0.0021	0.9984 0.9961 0.9979 0.9943 0.9973 0.9983 0.9975 0.9979	90.19 90.04 89.68 89.49 88.98 88.74 88.59 88.37 88.19
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	21,040,297 20,605,241 20,517,066 19,708,342 19,367,483 19,145,474 19,002,341 17,829,372 17,723,027 17,411,483 17,350,145	99,216 52,715 11,917 178,992 117,893 87,951 32,017 66,080 101,677 16,042 45,312	0.0047 0.0026 0.0006 0.0091 0.0061 0.0046 0.0017 0.0037 0.0057 0.0009 0.0026	0.9953 0.9974 0.9994 0.9909 0.9939 0.9954 0.9983 0.9963 0.9943 0.9991 0.9974	87.96 87.54 87.32 87.27 86.47 85.95 85.55 85.41 85.09 84.60 84.53
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	13,183,769 13,017,824 12,298,771 11,666,037 11,648,882 8,164,603 7,143,640 6,695,167 6,017,106 5,863,599	52,829 43,299 24,213 7,255 14,889 8,659 2,262 28,107 120,039 20,779	0.0020 0.0040 0.0033 0.0020 0.0006 0.0013 0.0011 0.0003 0.0042 0.0199 0.0035	0.9960 0.9967 0.9980 0.9994 0.9987 0.9989 0.9997 0.9958 0.9801 0.9965	84.31 83.97 83.69 83.52 83.47 83.37 83.28 83.25 82.90 81.25
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	5,828,910 5,810,877 5,789,535 5,781,439 5,702,471 5,670,650 5,611,445 5,565,224 5,452,448 5,328,793	3,535 12,684 6,223 63,965 30,220 51,141 34,790 106,332 114,250 21,565	0.0006 0.0022 0.0011 0.0111 0.0053 0.0090 0.0062 0.0191 0.0210 0.0040	0.9994 0.9978 0.9989 0.9889 0.9947 0.9910 0.9938 0.9809 0.9790 0.9960	80.96 80.91 80.73 80.65 79.75 79.33 78.62 78.13 76.64 75.03

ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5	5,302,321 5,292,550 5,282,821 5,278,744 5,271,948 4,314,788 4,113,192 4,107,921 4,103,471 4,071,271	8,465 2,224 1,081 4,239 18,885 1,606 1,679 78 186 41,112	0.0016 0.0004 0.0002 0.0008 0.0036 0.0004 0.0004 0.0000 0.0000	0.9984 0.9996 0.9998 0.9992 0.9964 0.9996 1.0000 1.0000 0.9899	74.73 74.61 74.58 74.56 74.50 74.23 74.21 74.18 74.18 74.17
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5	3,705,666 3,192,720 3,157,028 2,783,402 2,367,493 2,146,046 2,115,624 2,109,950 2,046,929 2,031,862	6,216 297 13,874 2,029 11,593 4,579 8,134 6,307 2,718	0.0017 0.0001 0.0044 0.0007 0.0049 0.0000 0.0022 0.0039 0.0031 0.0013	0.9983 0.9999 0.9956 0.9993 0.9951 1.0000 0.9978 0.9961 0.9969 0.9987	73.42 73.30 73.29 72.97 72.92 72.56 72.56 72.40 72.12 71.90
99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5	1,780,708 1,073,825 1,054,006 675,451 383,599 344,350 344,350 208,270 194,373 194,373	1,679 89 9,653 5,820 388 8,260	0.0009 0.0001 0.0092 0.0086 0.0010 0.0000 0.0240 0.0000 0.0000 0.0000	0.9991 0.9999 0.9908 0.9914 0.9990 1.0000 0.9760 1.0000 1.0000	71.81 71.74 71.73 71.08 70.46 70.39 70.39 68.70 68.70
109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5	122,848 110,931 107,427 107,427 107,427 96,609 94,990 94,990 94,990	939 1,950 809	0.0076 0.0176 0.0000 0.0000 0.0075 0.0000 0.0000 0.0000	0.9924 0.9824 1.0000 1.0000 0.9925 1.0000 1.0000 1.0000	68.68 68.16 66.96 66.96 66.46 66.46 66.46 66.46



ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1895-2017	EXPER	RIENCE BAN	D 1918-2017	
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
119.5 120.5 121.5 122.5	94,990 50,303 26,327	1,992 956	0.0210 0.0190 0.0000	0.9790 0.9810 1.0000	66.46 65.06 63.83 63.83



ORIGINAL CURVE = 1918-2017 EXPERIENCE 1891-2017 PLACEMENTS 160 140 ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS 120 ORIGINAL AND SMOOTH SURVIVOR CURVES 80 100 AGE IN YEARS PACIFICORP 9 9 20 ____ 100 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

PLACEMENT I	BAND 1891-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	558,277,128 550,374,293 542,003,728 533,895,454 525,467,032 503,048,200 405,724,073 370,291,318 356,882,583	51,891 442,551 1,151,014 702,934 783,767 1,081,392 117,216 177,025 331,184	0.0001 0.0008 0.0021 0.0013 0.0015 0.0021 0.0003 0.0005 0.0009	0.9999 0.9992 0.9979 0.9987 0.9985 0.9979 0.9997	100.00 99.99 99.91 99.70 99.57 99.42 99.20 99.18 99.13
8.5 9.5 10.5 11.5	336,312,407 321,492,167 312,481,142 302,016,948	535,756 67,676 200,111 259,388	0.0016 0.0002 0.0006 0.0009	0.9984 0.9998 0.9994 0.9991	99.04 98.88 98.86 98.79
12.5 13.5 14.5 15.5	295,892,120 281,717,442 274,241,011 269,643,542	367,755 395,414 453,791 392,721	0.0012 0.0014 0.0017 0.0015	0.9988 0.9986 0.9983 0.9985	98.71 98.59 98.45 98.29
16.5 17.5 18.5	256,990,936 252,536,345 251,032,581 249,943,309	378,825 131,786 135,923 1,165,659	0.0015 0.0005 0.0005	0.9985 0.9995 0.9995 0.9953	98.14 98.00 97.95 97.89
20.5 21.5 22.5 23.5 24.5 25.5	248,117,854 239,340,624 234,014,041 225,802,371 221,433,921 213,610,449	3,344,841 109,604 369,596 943,777 277,288 842,552	0.0135 0.0005 0.0016 0.0042 0.0013 0.0039	0.9865 0.9995 0.9984 0.9958 0.9987 0.9961	97.44 96.12 96.08 95.93 95.53 95.41
26.5 27.5 28.5 29.5	205,369,816 199,975,468 195,439,124 191,637,208	382,318 850,155 637,282 133,655	0.0019 0.0043 0.0033	0.9981 0.9957 0.9967 0.9993	95.03 94.85 94.45 94.14
30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	189,842,468 181,419,042 180,443,307 177,596,545 174,904,337 171,808,172 169,817,861 168,420,293 166,847,904	332,460 519,564 130,164 327,220 428,722 552,888 1,091,726 428,629 826,700	0.0018 0.0029 0.0007 0.0018 0.0025 0.0032 0.0064 0.0025 0.0050	0.9982 0.9971 0.9993 0.9982 0.9975 0.9968 0.9936 0.9975 0.9950	94.08 93.91 93.64 93.58 93.40 93.17 92.87 92.28 92.04



ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

PLACEMENT	BAND 1891-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	165,611,606 164,300,662 163,974,454 163,003,854 160,643,580 158,953,523 157,181,830 155,171,708 153,978,478	1,160,268 124,712 231,629 215,273 46,221 193,803 276,313 31,293 328,585	0.0070 0.0008 0.0014 0.0013 0.0003 0.0012 0.0018 0.0002	0.9930 0.9992 0.9986 0.9987 0.9997 0.9988 0.9982 0.9998	91.59 90.95 90.88 90.75 90.63 90.60 90.49 90.33 90.31
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	152,646,744 151,943,637 151,447,106 147,060,759 143,971,207 143,378,793 142,381,083 137,089,356 136,569,684 136,289,041 136,031,182	287,047 121,009 252,682 269,803 302,437 418,312 335,951 439,093 159,601 126,156 342,272	0.0019 0.0008 0.0017 0.0018 0.0021 0.0029 0.0024 0.0032 0.0012 0.0009 0.0025	0.9981 0.9992 0.9983 0.9982 0.9979 0.9971 0.9968 0.9988 0.9991 0.9975	90.12 89.95 89.88 89.73 89.57 89.38 89.12 88.91 88.62 88.52 88.44
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	91,850,653 90,941,223 83,219,619 76,229,930 75,985,248 43,872,505 38,395,148 35,371,036 29,404,527 28,478,542	627,185 166,451 172,680 227,490 41,232 125,269 671,651 77,131 91,445 86,571	0.0068 0.0018 0.0021 0.0030 0.0005 0.0029 0.0175 0.0022 0.0031 0.0030	0.9932 0.9982 0.9979 0.9970 0.9995 0.9971 0.9825 0.9978 0.9969 0.9970	88.21 87.61 87.45 87.27 87.01 86.96 86.71 85.20 85.01 84.75
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	28,383,088 28,345,925 28,076,832 28,053,213 27,900,221 27,863,538 26,908,888 26,695,294 26,359,878 26,157,320	34,018 263,478 14,850 92,045 29,921 911,630 167,404 325,831 185,846 13,115	0.0012 0.0093 0.0005 0.0033 0.0011 0.0327 0.0062 0.0122 0.0071 0.0005	0.9988 0.9907 0.9995 0.9967 0.9989 0.9673 0.9938 0.9878 0.9929	84.49 84.39 83.60 83.56 83.28 83.20 80.47 79.97 79.00 78.44



ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

PLACEMENT :	BAND 1891-2017		EXPEF	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5 88.5	26,121,802 25,857,890 25,779,577 25,634,600 25,564,752 19,969,917 19,332,705 19,151,586 18,978,421 18,789,764	250,716 67,425 100,947 30,036 115,662 15,731 106,030 152,242 105,486 873,695	0.0096 0.0026 0.0039 0.0012 0.0045 0.0008 0.0055 0.0079 0.0056 0.0465	0.9904 0.9974 0.9961 0.9988 0.9955 0.9992 0.9945 0.9921 0.9944 0.9535	78.40 77.65 77.45 77.14 77.05 76.70 76.64 76.22 75.62 75.20
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5	16,997,087 14,677,059 14,367,150 11,744,168 9,793,904 9,345,360 8,574,577 8,544,320 7,607,311 7,584,921	37,778 78,784 40,620 39,452 1,779 108,105 29,603 4,196 152 7,105	0.0022 0.0054 0.0028 0.0034 0.0002 0.0116 0.0035 0.0005 0.0000	0.9978 0.9946 0.9972 0.9966 0.9998 0.9884 0.9965 0.9995 1.0000 0.9991	71.70 71.54 71.16 70.96 70.72 70.70 69.89 69.64 69.61
99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5	6,264,605 5,508,838 5,446,330 4,090,230 3,860,143 1,248,567 1,245,586 971,634 773,200 773,200	16,285 2,432 18,223 6,826 2,376 2,981 17,396 2,449	0.0026 0.0004 0.0033 0.0017 0.0006 0.0024 0.0140 0.0025 0.0000	0.9974 0.9996 0.9967 0.9983 0.9994 0.9976 0.9860 0.9975 1.0000	69.54 69.36 69.33 69.10 68.99 68.94 68.78 67.82 67.65
109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5	654,935 654,935 651,614 651,614 647,410 646,624 599,405 599,405 599,405	4,204 786 1,319	0.0000 0.0000 0.0000 0.0065 0.0012 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 0.9935 0.9988 1.0000 1.0000 1.0000	67.65 67.65 67.65 67.65 67.21 67.13 67.13 67.13



ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

PLACEMENT BAND 1891-2017 EXPERIENCE BA					ID 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
119.5 120.5 121.5 122.5	598,086 133,362 89,342	967 50 908	0.0016 0.0004 0.0102	0.9984 0.9996 0.9898	66.98 66.87 66.85 66.17



ORIGINAL CURVE = 1919-2017 EXPERIENCE 1895-2017 PLACEMENTS 160 IOWA 95-S0 140 ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS 120 ORIGINAL AND SMOOTH SURVIVOR CURVES 80 100 AGE IN YEARS 9 9 20 ____ 100 8 70-50-10-8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1919-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	150,138,828 146,755,998 146,806,903 145,044,472 137,901,748 136,417,946 135,901,500 127,050,424 125,342,398 115,379,945	8,839 50 3,113 58,009 201,662 372,062 30,802 42,468 360,864 265,327	0.0001 0.0000 0.0000 0.0004 0.0015 0.0027 0.0002 0.0003 0.0029 0.0023	0.9999 1.0000 1.0000 0.9996 0.9985 0.9973 0.9998 0.9997 0.9971	100.00 99.99 99.99 99.95 99.81 99.53 99.51 99.48 99.19
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	102,208,369 96,507,280 92,585,229 85,322,351 81,436,214 79,519,507 76,704,273 74,011,162 71,589,503 70,718,740	779,210 59,185 81,788 53,434 101,376 48,443 45,099 140,238 74,914 66,323	0.0076 0.0006 0.0009 0.0006 0.0012 0.0006 0.0006 0.0019 0.0010	0.9924 0.9994 0.9991 0.9994 0.9988 0.9994 0.9991 0.9990	98.96 98.21 98.15 98.06 98.00 97.88 97.82 97.76 97.58
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	70,099,107 64,118,591 59,053,287 57,640,783 55,744,963 53,476,572 51,002,840 49,570,549 47,965,525 47,361,668	173,355 113,914 1,500 85,168 1,147,733 330,115 142,122 88,653 282,298 61,958	0.0025 0.0018 0.0000 0.0015 0.0206 0.0062 0.0028 0.0018 0.0059 0.0013	0.9975 0.9982 1.0000 0.9985 0.9794 0.9938 0.9972 0.9982 0.9941 0.9987	97.38 97.14 96.97 96.97 96.82 94.83 94.24 93.98 93.81
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	44,606,027 43,487,849 42,737,164 41,670,942 41,277,858 39,794,423 37,990,922 36,060,626 35,653,421 35,498,923	388,425 132,891 226,949 268,389 95,172 525,814 265,147 8,878 49,561 59,147	0.0087 0.0031 0.0053 0.0064 0.0023 0.0132 0.0070 0.0002 0.0014 0.0017	0.9913 0.9969 0.9947 0.9936 0.9977 0.9868 0.9930 0.9998 0.9986	93.14 92.33 92.05 91.56 90.97 90.76 89.56 88.93 88.91 88.79



ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1919-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	35,298,120	285,088	0.0081	0.9919	88.64
40.5	35,004,763	8,600	0.0002	0.9998	87.92
41.5	34,964,362	230,336	0.0066	0.9934	87.90
42.5	34,640,878	246,603	0.0071	0.9929	87.32
43.5	34,387,765	122,107	0.0036	0.9964	86.70
44.5	34,093,117	145,723	0.0043	0.9957	86.39
45.5	33,947,332	156,899	0.0046	0.9954	86.03
46.5	32,883,281	871,431	0.0265	0.9735	85.63
47.5	31,839,907	675,795	0.0212	0.9788	83.36
48.5	31,128,255	139,406	0.0045	0.9955	81.59
49.5	30,918,838	28,393	0.0009	0.9991	81.22
50.5	30,838,775	31,990	0.0010	0.9990	81.15
51.5	30,704,795	348,134	0.0113	0.9887	81.06
52.5	30,324,019	818,016	0.0270	0.9730	80.15
53.5	29,428,945	120,395	0.0041	0.9959	77.98
54.5	29,202,699	307,105	0.0105	0.9895	77.66
55.5	27,757,171	138,285	0.0050	0.9950	76.85
56.5	27,536,056	33,642	0.0012	0.9988	76.47
57.5	27,463,105	21,992	0.0008	0.9992	76.37
58.5	27,404,709	98,952	0.0036	0.9964	76.31
59.5	17,629,163	540,129	0.0306	0.9694	76.04
60.5	16,934,523	144,805	0.0086	0.9914	73.71
61.5	16,250,443	54,055	0.0033	0.9967	73.08
62.5	15,435,410	43,151	0.0028	0.9972	72.83
63.5	15,359,219	33,286	0.0022	0.9978	72.63
64.5	9,988,375	63,577	0.0064	0.9936	72.47
65.5	8,892,502	275,487	0.0310	0.9690	72.01
66.5	8,349,775	145,977	0.0175	0.9825	69.78
67.5	6,977,705	185,251	0.0265	0.9735	68.56
68.5	5,329,605	369	0.0001	0.9999	66.74
69.5	5,301,357	67,155	0.0127	0.9873	66.73
70.5	5,231,168	11,891	0.0023	0.9977	65.89
71.5	5,215,780	9,048	0.0017	0.9983	65.74
72.5	5,206,732	19,399	0.0037	0.9963	65.63
73.5	5,137,020	24,746	0.0048	0.9952	65.38
74.5	5,112,274	42,082	0.0082	0.9918	65.07
75.5	5,069,667	16,685	0.0033	0.9967	64.53
76.5	5,052,931	93,625	0.0185	0.9815	64.32
77.5	4,956,556	2,399	0.0005	0.9995	63.13
78.5	4,950,490	84,031	0.0170	0.9830	63.10



ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1919-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5	4,864,828 4,763,174 4,504,054 4,446,057 4,390,064 3,886,891 3,726,391 3,721,492	101,621 257,815 37,921 35,299 2,046 51,997 2,909 79,975	0.0209 0.0541 0.0084 0.0079 0.0005 0.0134 0.0008 0.0215	0.9791 0.9459 0.9916 0.9921 0.9995 0.9866 0.9992	62.02 60.73 57.44 56.96 56.51 56.48 55.72
87.5 88.5	3,640,545 3,578,306	16,869 73,982	0.0046 0.0207	0.9954	54.48 54.23
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5	3,161,923 2,533,589 2,444,849 1,952,010 1,605,323 1,316,924 1,316,365 1,306,229 1,184,300 1,183,128	211,656 6,170 12,202 12,520 323 236 8,660 32	0.0669 0.0024 0.0050 0.0064 0.0002 0.0002 0.0066 0.0000 0.0000	0.9331 0.9976 0.9950 0.9936 0.9998 0.9998 0.9934 1.0000 1.0000	53.11 49.56 49.43 49.19 48.87 48.86 48.85 48.53 48.53
99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5	994,443 884,080 852,950 422,157 422,082 180,370 180,370 123,559 113,480 109,848	6,648 1,732 37,963 75 3,144 103	0.0067 0.0020 0.0445 0.0002 0.0074 0.0000 0.0006 0.0000 0.0054 0.0000	0.9933 0.9980 0.9555 0.9998 0.9926 1.0000 0.9994 1.0000 0.9946 1.0000	48.45 48.12 48.03 45.89 45.88 45.54 45.54 45.51 45.51
109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5	105,183 105,183 78,327 70,727 70,727 56,857 56,857 56,857 56,812 56,812	720 7,600 2,252 45	0.0000 0.0068 0.0970 0.0000 0.0318 0.0000 0.0000 0.0008 0.0000	1.0000 0.9932 0.9030 1.0000 0.9682 1.0000 1.0000 0.9992 1.0000	45.27 45.27 44.96 40.59 40.59 39.30 39.30 39.30 39.27



ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

PLACEMENT	EXPER	RIENCE BAN	D 1919-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
119.5 120.5 121.5 122.5	56,812 28,975 28,975		0.0000 0.0000 0.0000	1.0000 1.0000 1.0000	39.27 39.27 39.27 39.27



ORIGINAL CURVE = 1918-2017 EXPERIENCE 1895-2017 PLACEMENTS 160 140 IÓWA 70-LC ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT 120 ORIGINAL AND SMOOTH SURVIVOR CURVES 80 100 AGE IN YEARS 9 9 20 ____ 100 70-50-10-9 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	95,579,046 93,259,871 91,942,333 87,044,195 85,432,168 83,125,703 73,085,163 66,320,213 65,407,965 56,856,185	5,709 43,663 48,925 88,535 327,885 168,469 113,352 285,990 247,149 246,543	0.0001 0.0005 0.0005 0.0010 0.0038 0.0020 0.0016 0.0043 0.0038 0.0043	0.9999 0.9995 0.9995 0.9990 0.9962 0.9980 0.9984 0.9957 0.9962 0.9957	100.00 99.99 99.95 99.89 99.79 99.41 99.21 99.05 98.63 98.25
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	46,633,193 43,009,881 41,829,499 40,692,076 35,607,575 34,372,294 30,549,717 28,905,681 27,621,045 25,290,097	493,770 666,873 166,203 174,395 352,171 870,523 763,887 333,872 1,194,167 85,732	0.0106 0.0155 0.0040 0.0043 0.0099 0.0253 0.0250 0.0116 0.0432 0.0034	0.9894 0.9845 0.9960 0.9957 0.9901 0.9747 0.9750 0.9884 0.9568 0.9966	97.83 96.79 95.29 94.91 94.51 93.57 91.20 88.92 87.89 84.09
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	22,822,959 20,527,165 19,045,146 17,336,600 16,192,793 15,354,663 14,516,627 14,178,709 11,819,828 10,861,209	105,621 160,728 146,475 399,350 148,386 63,964 80,287 124,206 198,715 85,789	0.0046 0.0078 0.0077 0.0230 0.0092 0.0042 0.0055 0.0088 0.0168 0.0079	0.9954 0.9922 0.9923 0.9770 0.9908 0.9958 0.9945 0.9912 0.9832 0.9921	83.81 83.42 82.77 82.13 80.24 79.50 79.17 78.74 78.05 76.73
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	10,491,407 9,672,016 9,158,478 8,678,362 8,371,628 7,573,302 7,193,359 6,513,420 6,367,964 6,223,780	88,642 80,866 34,654 71,532 62,886 78,977 47,569 28,075 13,841 155,808	0.0084 0.0084 0.0038 0.0082 0.0075 0.0104 0.0066 0.0043 0.0022 0.0250	0.9916 0.9916 0.9962 0.9918 0.9925 0.9896 0.9934 0.9957 0.9978	76.13 75.48 74.85 74.57 73.96 73.40 72.63 72.15 71.84 71.69



ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	6,004,620 5,880,903 5,734,913 5,480,227 5,434,307 5,281,462 5,223,305 5,005,116 4,941,614 4,860,622	68,444 134,553 220,169 22,321 125,095 50,354 195,947 54,462 31,371 66,339	0.0114 0.0229 0.0384 0.0041 0.0230 0.0095 0.0375 0.0109 0.0063 0.0136	0.9886 0.9771 0.9616 0.9959 0.9770 0.9905 0.9625 0.9891 0.9937 0.9864	69.89 69.10 67.51 64.92 64.66 63.17 62.57 60.22 59.56 59.19
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	4,700,628 4,668,157 4,393,317 4,328,018 4,114,143 3,975,524 3,760,418 3,695,074 3,535,579 3,444,907	5,024 62,412 23,694 125,113 12,600 56,556 26,962 63,726 39,640 27,491	0.0011 0.0134 0.0054 0.0289 0.0031 0.0142 0.0072 0.0172 0.0172 0.0112	0.9989 0.9866 0.9946 0.9711 0.9969 0.9858 0.9928 0.9828 0.9888	58.38 58.32 57.54 57.23 55.57 55.40 54.61 54.22 53.29 52.69
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	2,794,196 2,660,627 2,596,241 2,428,819 2,417,772 1,609,145 1,440,376 1,329,332 1,126,334 1,099,871	49,248 22,823 56,500 2,731 48,265 41,004 58,646 11,276 9,810 28,489	0.0176 0.0086 0.0218 0.0011 0.0200 0.0255 0.0407 0.0085 0.0087 0.0259	0.9824 0.9914 0.9782 0.9989 0.9800 0.9745 0.9593 0.9915 0.9913	52.27 51.35 50.91 49.80 49.74 48.75 47.51 45.57 45.19 44.79
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	1,070,802 992,239 981,753 979,182 961,596 952,454 945,699 919,692 917,782 909,317	74,290 9,076 1,487 8,071 9,112 2,608 14,378 714 8,089 12,274	0.0694 0.0091 0.0015 0.0082 0.0095 0.0027 0.0152 0.0008 0.0088	0.9306 0.9909 0.9985 0.9918 0.9905 0.9973 0.9848 0.9992 0.9912 0.9865	43.63 40.61 40.24 40.17 39.84 39.47 39.36 38.76 38.73 38.39



ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
79.5	896,682	2,772	0.0031	0.9969	37.87
80.5	893,910	75,621	0.0846	0.9154	37.75
81.5	817,287	32,626	0.0399	0.9601	34.56
82.5	784,617	2,332	0.0030	0.9970	33.18
83.5	760,247	1,541	0.0020	0.9980	33.08
84.5	651,490	3,075	0.0047	0.9953	33.01
85.5	648,381	312	0.0005	0.9995	32.86
86.5	644,750		0.0000	1.0000	32.84
87.5	638,164		0.0000	1.0000	32.84
88.5	631,760	14,103	0.0223	0.9777	32.84
89.5	609,763	5,220	0.0086	0.9914	32.11
90.5	558,693	99	0.0002	0.9998	31.83
91.5	553,674	14,433	0.0261	0.9739	31.83
92.5	521,851	3,670	0.0070	0.9930	31.00
93.5	361,114	451	0.0012	0.9988	30.78
94.5	299,990	2,515	0.0084	0.9916	30.74
95.5	259,850	2,057	0.0079	0.9921	30.48
96.5	257,270	484	0.0019	0.9981	30.24
97.5	256,621	2,057	0.0080	0.9920	30.19
98.5	246,534	3,435	0.0139	0.9861	29.94
99.5	212,232	3,435	0.0162	0.9838	29.53
100.5	193,571	628	0.0032	0.9968	29.05
101.5	181,428	855	0.0047	0.9953	28.95
102.5	82,064		0.0000	1.0000	28.82
103.5	82,064	1,283	0.0156	0.9844	28.82
104.5	22,349	601	0.0269	0.9731	28.37
105.5	21,748	956	0.0440	0.9560	27.60
106.5	15,403	441	0.0286	0.9714	26.39
107.5	14,849		0.0000	1.0000	25.64
108.5	13,246		0.0000	1.0000	25.64
109.5	12,767		0.0000	1.0000	25.64
110.5	12,767		0.0000	1.0000	25.64
111.5	12,382		0.0000	1.0000	25.64
112.5	12,382		0.0000	1.0000	25.64
113.5	12,382		0.0000	1.0000	25.64
114.5	12,382	71	0.0057	0.9943	25.64
115.5	12,311		0.0000	1.0000	25.49
116.5	12,311		0.0000	1.0000	25.49
117.5	12,311		0.0000	1.0000	25.49
118.5	12,311		0.0000	1.0000	25.49



ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT BAND 1895-2017 EXPERIENCE BAND 1					D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
119.5 120.5 121.5 122.5	12,311 1,180 1,056	1,740 124	0.1413 0.1051 0.0000	0.8587 0.8949 1.0000	25.49 21.89 19.59 19.59



ORIGINAL CURVE = 1918-2017 EXPERIENCE 1897-2017 PLACEMENTS 160 IOWA 7\$-R0.5 140 120 ORIGINAL AND SMOOTH SURVIVOR CURVES 80 100 AGE IN YEARS 9 9 20 ____ 100 8 70-50-10-8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT	BAND 1897-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	3,187,121 3,170,123 3,138,687 3,134,091 3,115,882 3,100,200 3,071,886 3,016,205 2,973,577 2,947,860	1,454 36,651 5,012 4,412 11,514 8,684 17,832 27,901 14,407 15,206	0.0005 0.0116 0.0016 0.0014 0.0037 0.0028 0.0058 0.0093 0.0048 0.0052	0.9995 0.9884 0.9986 0.9963 0.9972 0.9942 0.9907 0.9952 0.9948	100.00 99.95 98.80 98.64 98.50 98.14 97.86 97.30 96.40 95.93
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	2,923,214 2,879,031 2,866,656 2,800,074 2,708,193 2,684,054 2,675,267 2,650,712 2,048,651 1,986,350	22,693 12,374 61,322 17,990 16,044 2,949 9,063 11,411 29,103 2,381	0.0078 0.0043 0.0214 0.0064 0.0059 0.0011 0.0034 0.0043 0.0142 0.0012	0.9922 0.9957 0.9786 0.9936 0.9941 0.9989 0.9966 0.9957 0.9858 0.9988	95.43 94.69 94.29 92.27 91.68 91.13 91.03 90.72 90.33 89.05
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	1,959,513 1,936,344 1,923,320 1,857,824 1,799,030 1,791,544 1,739,762 1,701,729 1,628,620 1,612,798	10,827 4,513 36,423 22,028 6,488 4,150 8,643 23,455 8,033 7,842	0.0055 0.0023 0.0189 0.0119 0.0036 0.0023 0.0050 0.0138 0.0049 0.0049	0.9945 0.9977 0.9811 0.9881 0.9964 0.9977 0.9950 0.9862 0.9951	88.94 88.45 88.25 86.57 85.55 85.24 85.04 84.62 83.45 83.04
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5	1,598,709 1,587,981 1,560,888 1,476,421 1,395,204 1,391,685 1,383,501 1,376,766 1,358,817 1,350,458	10,432 930 21,166 2,006 3,142 6,702 5,488 7,485 7,917 1,048	0.0065 0.0006 0.0136 0.0014 0.0023 0.0048 0.0040 0.0054 0.0058 0.0008	0.9935 0.9994 0.9864 0.9986 0.9977 0.9952 0.9960 0.9946 0.9942 0.9992	82.64 82.10 82.05 80.94 80.83 80.65 80.26 79.94 79.50



ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT	BAND 1897-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	1,347,297 1,318,943 1,314,252 1,309,102 1,306,543 1,303,735 1,300,700 1,299,449 1,272,700 1,271,903	27,916 2,690 3,208 705 2,184 720 1,206 26,203 155 3,787	0.0207 0.0020 0.0024 0.0005 0.0017 0.0006 0.0009 0.0202 0.0001 0.0030	0.9793 0.9980 0.9976 0.9995 0.9983 0.9994 0.9991 0.9798 0.9999	78.98 77.34 77.19 77.00 76.96 76.83 76.79 76.71 75.17
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	1,265,795 1,201,868 1,200,526 1,163,800 1,159,110 1,154,762 1,141,037 1,137,865 1,122,690 1,122,267	63,620 855 264 4,595 329 2,165 2,959 15,175 422 2,216	0.0503 0.0007 0.0002 0.0039 0.0003 0.0019 0.0026 0.0133 0.0004 0.0020	0.9497 0.9993 0.9998 0.9961 0.9997 0.9981 0.9974 0.9867 0.9996	74.93 71.17 71.12 71.10 70.82 70.80 70.67 70.48 69.54 69.52
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	654,889 652,012 641,350 633,864 633,793 116,210 110,869 109,557 78,231 76,692	1,888 785 488 71 909 20 1,312 206 1,540 570	0.0029 0.0012 0.0008 0.0001 0.0014 0.0002 0.0118 0.0019 0.0197 0.0074	0.9971 0.9988 0.9992 0.9999 0.9986 0.9998 0.9882 0.9981 0.9803 0.9926	69.38 69.18 69.10 69.05 69.04 68.94 68.93 68.11 67.98 66.64
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	74,581 74,581 74,581 74,567 74,471 74,278 74,278 74,156 73,929 24,343	15 96 25 121 228 49,586 398	0.0000 0.0000 0.0002 0.0013 0.0003 0.0000 0.0016 0.0031 0.6707 0.0163	1.0000 1.0000 0.9998 0.9987 0.9997 1.0000 0.9984 0.9969 0.3293 0.9837	66.15 66.15 66.14 66.05 66.03 66.03 65.92 65.72 21.64

ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT	BAND 1897-2017		EXPER	RIENCE BAN	D 1918-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5	23,945 20,745	3,199 4,065	0.1336 0.0000 0.1959	0.8664 1.0000 0.8041	21.29 18.44
82.5	20,745 16,681	•	0.0000	1.0000	18.44 14.83
83.5 84.5 85.5	16,681 16,365 12,431	316	0.0189 0.0000 0.0000	0.9811 1.0000 1.0000	14.83 14.55 14.55
86.5 87.5	12,431 12,333 12,333		0.0000		14.55 14.55
88.5	12,262		0.0000	1.0000	14.55
89.5 90.5	12,262 12,232		0.0000		14.55 14.55
91.5 92.5	12,179 12,179		0.0000	1.0000	14.55 14.55
93.5 94.5	1,030 1,030		0.0000	1.0000	14.55 14.55
95.5 96.5 97.5 98.5	1,030 1,030 1,030 972		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	14.55 14.55 14.55 14.55
99.5 100.5	685		0.0000	1.0000	14.55 14.55



ORIGINAL CURVE = 1921-2017 EXPERIENCE 1897-2017 PLACEMENTS IOWA 100-S0.5 160 140 ACCOUNT 336 ROADS, RAILROADS AND BRIDGES 120 ORIGINAL AND SMOOTH SURVIVOR CURVES 80 100 AGE IN YEARS PACIFICORP 9 9 20 ____ 100 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

PLACEMENT	BAND 1897-2017		EXPER	RIENCE BAN	D 1921-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	25,561,361 24,719,645 23,585,382 21,888,107 21,201,688 20,682,048 17,900,234 17,290,726 17,148,423 15,349,518	2,500 13,708 74,744 55,266 9,851 2,661 2,943 86,979	0.0001 0.0000 0.0006 0.0034 0.0000 0.0027 0.0006 0.0002 0.0002	0.9999 1.0000 0.9994 0.9966 1.0000 0.9973 0.9994 0.9998 0.9998	100.00 99.99 99.99 99.59 99.59 99.32 99.27 99.25 99.24
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	14,615,368 14,483,613 13,813,149 12,808,575 12,347,744 12,011,024 11,235,652 11,100,474 10,978,758 10,054,464	500 12,588 2,735 20,136 67,335 25,385 44,592 110,495 21,689 13,594	0.0000 0.0009 0.0002 0.0016 0.0055 0.0021 0.0040 0.0100 0.0020 0.0014	1.0000 0.9991 0.9998 0.9984 0.9945 0.9979 0.9960 0.9900 0.9980 0.9986	98.68 98.67 98.59 98.57 98.41 97.88 97.67 97.28 96.31 96.12
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	9,836,520 9,700,701 9,085,688 8,668,596 8,249,721 7,793,490 6,190,586 5,989,640 5,765,934 5,713,659	28,774 46,708 38,661 3,007 1,377 19,852 2,752 3,505 37,113	0.0029 0.0048 0.0043 0.0003 0.0002 0.0025 0.0004 0.0006 0.0064 0.0000	0.9971 0.9952 0.9957 0.9997 0.9998 0.9975 0.9996 0.9994 0.9936 1.0000	95.99 95.71 95.25 94.85 94.81 94.80 94.55 94.51 94.46 93.85
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	5,681,722 5,366,627 5,022,944 4,993,777 4,986,139 4,885,762 4,835,329 4,721,559 4,552,080 4,550,689	7,993 5,547 11,087 7,639 7,231 250 1,603 7,030 1,391	0.0014 0.0010 0.0022 0.0015 0.0015 0.0001 0.0003 0.0015 0.0003	0.9986 0.9990 0.9978 0.9985 0.9985 0.9999 0.9997 0.9985 0.9997	93.85 93.72 93.62 93.41 93.27 93.14 93.13 93.10 92.96 92.93



ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

PLACEMENT	BAND 1897-2017		EXPER	RIENCE BAN	D 1921-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	4,549,714 4,519,535 4,518,815 4,518,815 4,515,079 4,512,421 4,474,843 4,372,213	28,112 720 500 36,335 43,845 15,855	0.0062 0.0002 0.0000 0.0000 0.0001 0.0081 0.0098 0.0036	0.9938 0.9998 1.0000 1.0000 0.9999 0.9919 0.9902 0.9964	92.93 92.36 92.34 92.34 92.34 92.33 91.59 90.69
47.5 48.5	4,356,358 4,344,113	8,234 19,397	0.0019 0.0045	0.9981 0.9955	90.36 90.19
49.5 50.5 51.5	4,315,697 4,279,129 4,140,929	30,779 28,604	0.0071 0.0067 0.0000	0.9929 0.9933 1.0000	89.79 89.15 88.55
52.5 53.5 54.5 55.5 56.5 57.5 58.5	3,975,405 3,935,521 3,906,698 3,422,355 3,400,847 3,359,985 3,350,904	32,669 4,642 6,654 9,924 7,537 7,870 29,802	0.0082 0.0012 0.0017 0.0029 0.0022 0.0023 0.0089	0.9918 0.9988 0.9983 0.9971 0.9978 0.9977	88.55 87.83 87.72 87.57 87.32 87.13 86.92
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	2,881,068 2,816,442 2,050,728 1,674,537 1,591,218 832,440 581,224 431,931 350,029 188,823	18,664 250,393 7,281 7,255 8,761 1,997 39,454 9,750 10,061	0.0065 0.0889 0.0036 0.0043 0.0055 0.0024 0.0679 0.0226 0.0287 0.0000	0.9935 0.9111 0.9964 0.9957 0.9945 0.9976 0.9321 0.9774 0.9713 1.0000	86.15 85.59 77.98 77.70 77.37 76.94 76.76 71.55 69.93 67.92
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	187,245 187,245 187,245 187,005 157,826 153,261 152,750 150,683 149,144 140,538	240 8,606	0.0000 0.0000 0.0013 0.0000 0.0000 0.0000 0.0000 0.0000 0.0577 0.0000	1.0000 1.0000 0.9987 1.0000 1.0000 1.0000 1.0000 0.9423 1.0000	67.92 67.92 67.92 67.83 67.83 67.83 67.83 67.83 67.83



ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

PLACEMENT	BAND 1897-2017		EXPER	RIENCE BAN	ID 1921-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5	139,964 138,265 136,581 135,521 134,259 132,555 120,417 116,076	339 1,060 884 1,325	0.0000 0.0025 0.0078 0.0000 0.0000 0.0000 0.0073 0.0000 0.0114	1.0000 0.9975 0.9922 1.0000 1.0000 0.9927 1.0000 0.9886	63.92 63.92 63.76 63.27 63.27 63.27 63.27 62.80
88.5 89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5 98.5	114,118 113,288 100,317 97,867 97,703 90,583 90,583 90,583 90,583 90,538 90,351	45 130	0.0055 0.0000 0.0000 0.0000 0.0000 0.0000 0.0005 0.0014 0.0000 0.0000	0.9945 1.0000 1.0000 1.0000 1.0000 1.0000 0.9995 0.9986 1.0000 1.0000	62.09 61.74 61.74 61.74 61.74 61.74 61.74 61.71 61.62 61.62
99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5 108.5	90,351 80,775 80,775 17,166 12,959 10,117 5,637 4,037 4,037	8,027 73 4,480	0.0000 0.0000 0.0994 0.0000 0.0056 0.4428 0.0000 0.0000 0.0000	1.0000 1.0000 0.9006 1.0000 0.9944 0.5572 1.0000 1.0000 0.7674	61.62 61.62 61.62 55.50 55.50 55.19 30.75 30.75 30.75
109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5	1,492 1,492 1,492 1,492 1,492 1,492 1,492 1,492 1,492		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	23.60 23.60 23.60 23.60 23.60 23.60 23.60 23.60 23.60
120.5	1, 192		3.0000	1.0000	23.60

ORIGINAL CURVE = 1968-2017 EXPERIENCE 1948-2017 PLACEMENTS 70 9 ORIGINAL AND SMOOTH SURVIVOR CURVES 20 AGE IN YEARS 3 20 9 ____ 100 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1948-2017		EXPER	RIENCE BAN	D 1968-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	175,153,413 174,624,342 174,617,466 174,203,829 113,918,917 112,916,716 112,652,325 112,327,086 112,299,461 110,199,797	35,059 1,710 20,409	0.0000 0.0000 0.0000 0.0000 0.0003 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 0.9997 1.0000 1.0000 1.0000 0.9998	100.00 100.00 100.00 100.00 100.00 99.97 99.97 99.97 99.97
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	108,967,133 81,408,285 81,398,506 39,208,940 38,779,106 15,801,423 11,225,959 11,225,959 11,205,774 11,205,793	34,680 53,932	0.0003 0.0000 0.0007 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.9997 1.0000 0.9993 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	99.95 99.92 99.85 99.85 99.85 99.85 99.85 99.85
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	11,127,526 10,088,807 174,917 174,917 174,917 174,898 173,937 173,937 168,166 168,166	1,954	0.0000 0.0002 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 0.9998 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	99.85 99.85 99.83 99.83 99.83 99.83 99.83 99.83
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	168,166 168,166 165,557 165,557 165,557 165,557 162,546 162,546 157,719	3,011 4,827 2,587	0.0000 0.0000 0.0000 0.0000 0.0000 0.0182 0.0000 0.0297 0.0164	1.0000 1.0000 1.0000 1.0000 1.0000 0.9818 1.0000 0.9703 0.9836	99.83 99.83 99.83 99.83 99.83 99.83 98.02 98.02 95.11



ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

PLACEMENT BAND 1948-2017 EXPERIENCE BAND 196					D 1968-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5	155,132 155,132 150,722 150,722		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	93.55 93.55 93.55 93.55 93.55



ORIGINAL CURVE = 1998-2017 EXPERIENCE 1998-2017 PLACEMENTS 20 **IOWA 65-R2** 49 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS 20 9 ____ 100 70-50-20-10-8 8 9 30 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 341 STRUCTURES AND IMPROVEMENTS - WIND

ACCOUNT 341 STRUCTURES AND IMPROVEMENTS - WIND

PLACEMENT	BAND 1998-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	54,249,992		0.0000	1.0000	100.00
0.5	54,036,894		0.0000	1.0000	100.00
1.5	54,015,871	353,369	0.0065	0.9935	100.00
2.5	53,460,413	373,268	0.0070	0.9930	99.35
3.5	51,960,800	13,942	0.0003	0.9997	98.65
4.5	51,478,653	14,064	0.0003	0.9997	98.63
5.5	51,346,336		0.0000	1.0000	98.60
6.5	50,145,550	60,640	0.0012	0.9988	98.60
7.5	42,641,452		0.0000	1.0000	98.48
8.5	30,846,526	29,001	0.0009	0.9991	98.48
9.5	11,293,864	78,027	0.0069	0.9931	98.39
10.5	5,025,422	27,656	0.0055	0.9945	97.71
11.5	110,229		0.0000	1.0000	97.17
12.5	110,229		0.0000	1.0000	97.17
13.5	110,229		0.0000	1.0000	97.17
14.5	110,229		0.0000	1.0000	97.17
15.5	110,229		0.0000	1.0000	97.17
16.5	110,229		0.0000	1.0000	97.17
17.5	110,229	3,232	0.0293	0.9707	97.17
18.5	106,997		0.0000	1.0000	94.32
19.5					94.32



ORIGINAL CURVE = 1971-2017 EXPERIENCE 1948-2016 PLACEMENTS 2 IOWA 50-R2 9 ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES ORIGINAL AND SMOOTH SURVIVOR CURVES 20 AGE IN YEARS PACIFICORP 3 20 9 ____ 100 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

PLACEMENT	BAND 1948-2016		EXPER	RIENCE BAN	D 1971-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	20,329,352		0.0000	1.0000	100.00
0.5	20,449,530		0.0000	1.0000	100.00
1.5	19,758,377	12,063	0.0006	0.9994	100.00
2.5	19,564,037	147,666	0.0075	0.9925	99.94
3.5	14,411,982		0.0000	1.0000	99.18
4.5	14,108,405	100 100	0.0000	1.0000	99.18 99.18
5.5 6.5	14,062,058 10,896,455	102,180	0.0073 0.0000	0.9927 1.0000	98.46
7.5	10,896,455		0.0000	1.0000	98.46
8.5	10,898,074		0.0000	1.0000	98.46
9.5	10,896,455	106,690	0.0098	0.9902	98.46
10.5	7,158,960	30,898	0.0033	0.9957	97.50
11.5	7,128,063	209,679	0.0294	0.9706	97.08
12.5	3,618,648		0.0000	1.0000	94.22
13.5	3,618,648	401,147	0.1109	0.8891	94.22
14.5	1,619,630	49	0.0000	1.0000	83.78
15.5	146,661		0.0000	1.0000	83.78
16.5	146,661		0.0000	1.0000	83.78
17.5	146,661		0.0000	1.0000	83.78
18.5	146,661		0.0000	1.0000	83.78
19.5	146,661		0.0000	1.0000	83.78
20.5	146,661		0.0000	1.0000	83.78
21.5 22.5	121,339		0.0000	1.0000	83.78
23.5	123,814 123,814		0.0000	1.0000 1.0000	83.78 83.78
24.5	123,814		0.0000	1.0000	83.78
25.5	121,339		0.0000	1.0000	83.78
26.5	121,339		0.0000	1.0000	83.78
27.5	121,339		0.0000	1.0000	83.78
28.5	121,339		0.0000	1.0000	83.78
29.5	121,339	1,162	0.0096	0.9904	83.78
30.5	120,177		0.0000	1.0000	82.97
31.5	120,177		0.0000	1.0000	82.97
32.5	120,177		0.0000	1.0000	82.97
33.5	120,177		0.0000	1.0000	82.97
34.5	120,177		0.0000	1.0000	82.97
35.5	120,177		0.0000	1.0000	82.97
36.5	120,177		0.0000	1.0000	82.97
37.5 38.5	120,177 120,177		0.0000	1.0000 1.0000	82.97 82.97
39.5	120,177		0.0000	1.0000	82.97
40.5	120,177	120,177	1.0000	1.0000	82.97
41.5					

ORIGINAL CURVE = 2002-2017 EXPERIENCE 1996-2017 PLACEMENTS 2 IOWA 40-L0 9 20 AGE IN YEARS 3 20 9 ____ 100 8 6 50-10-8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 343 PRIME MOVERS - COMBINED CYCLE ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 343 PRIME MOVERS - COMBINED CYCLE

PLACEMENT BAND 1996-2017 EXPERIENCE BAND 2002-2017						
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV	
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF	
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL	
0.0	1,149,314,803		0.0000	1.0000	100.00	
0.5	1,144,163,452	4,114,986	0.0036	0.9964	100.00	
1.5	1,090,898,284	16,579,660	0.0152	0.9848	99.64	
2.5	998,550,553	626,180	0.0006	0.9994	98.13	
3.5	680,595,499	24,452,197	0.0359	0.9641	98.06	
4.5	643,374,674	3,730,479	0.0058	0.9942	94.54	
5.5	723,649,526	27,641,959	0.0382	0.9618	93.99	
6.5	685,006,130	20,468,297	0.0299	0.9701	90.40	
7.5	661,116,453	21,845,457	0.0330	0.9670	87.70	
8.5	633,942,818	9,509,793	0.0150	0.9850	84.80	
9.5	611,818,836	6,564,356	0.0107	0.9893	83.53	
10.5	438,104,505	8,728,661	0.0199	0.9801	82.64	
11.5	315,648,479	1,398,002	0.0044	0.9956	80.99	
12.5	257,051,247	1,322,061	0.0051	0.9949	80.63	
13.5	251,235,173	54,540	0.0002	0.9998	80.22	
14.5	82,001,351	603,394	0.0074	0.9926	80.20	
15.5	80,189,484	109,935	0.0014	0.9986	79.61	
16.5	80,079,549	113,397	0.0014	0.9986	79.50	
17.5	79,966,152	787,680	0.0099	0.9901	79.39	
18.5	79,178,472	792,808	0.0100	0.9900	78.60	
19.5	78,385,664	44,480	0.0006	0.9994	77.82	
20.5	76,963,966	215,546	0.0028	0.9972	77.77	
21.5					77.56	



ORIGINAL CURVE = 1948-2017 PLACEMENTS 2002-2017 EXPERIENCE 1970-2017 PLACEMENTS 2 **IOWA 40-S0** 9 20 AGE IN YEARS 3 20 9 ____ 100 70-10-8 8 9 50 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 343 PRIME MOVERS - SIMPLE CYCLE ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 343 PRIME MOVERS - SIMPLE CYCLE

PLACEMENT I	BAND 1948-2017		EXPERIENCE BAND 1969-2017			
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV	
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF	
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL	
0.0	63,253,069		0.0000	1.0000	100.00	
0.5	62,958,746	46,167	0.0007	0.9993	100.00	
1.5	62,912,579	215,654	0.0034	0.9966	99.93	
2.5	62,433,236	137,177	0.0022	0.9978	99.58	
3.5	62,167,434	398,383	0.0064	0.9936	99.37	
4.5	61,608,437	460,362	0.0075	0.9925	98.73	
5.5	59,977,252	63,557	0.0011	0.9989	97.99	
6.5	58,164,907	981,476	0.0169	0.9831	97.89	
7.5	53,645,981	1,602,328	0.0299	0.9701	96.24	
8.5	50,057,714	32,877	0.0007	0.9993	93.36	
9.5	49,932,082	1,542,225	0.0309	0.9691	93.30	
10.5	48,340,606	202,004	0.0042	0.9958	90.42	
11.5	47,403,593		0.0000	1.0000	90.04	
12.5	47,371,139	42,240	0.0009	0.9991	90.04	
13.5	47,298,354	82,243	0.0017	0.9983	89.96	
14.5	41,293,770	75,492	0.0018	0.9982	89.80	
15.5	1,193,037	9,619	0.0081	0.9919	89.64	
16.5	1,183,418	24,672	0.0208	0.9792	88.92	
17.5	1,062,724		0.0000	1.0000	87.06	
18.5	1,062,724	22,434	0.0211	0.9789	87.06	
19.5	1,040,290		0.0000	1.0000	85.22	
20.5	1,116,934		0.0000	1.0000	85.22	
21.5	1,116,934		0.0000	1.0000	85.22	
22.5	1,035,245		0.0000	1.0000	85.22	
23.5	1,035,245		0.0000	1.0000	85.22	
24.5	1,035,245		0.0000	1.0000	85.22	
25.5	853,986		0.0000	1.0000	85.22	
26.5	853,986		0.0000	1.0000	85.22	
27.5	853,986		0.0000	1.0000	85.22	
28.5	853,986		0.0000	1.0000	85.22	
29.5	853,986		0.0000	1.0000	85.22	
30.5	853,986		0.0000	1.0000	85.22	
31.5	853,986		0.0000	1.0000	85.22	
32.5	853,986	140,184	0.1642	0.8358	85.22	
33.5	713,802	4,485	0.0063	0.9937	71.23	
34.5	709,317	11,762	0.0166	0.9834	70.79	
35.5	697,555	27,997	0.0401	0.9599	69.61	
36.5	669,558		0.0000	1.0000	66.82	
37.5	669,558	1,737	0.0026	0.9974	66.82	
38.5	667,821	17,970	0.0269	0.9731	66.65	



ACCOUNT 343 PRIME MOVERS - SIMPLE CYCLE

PLACEMENT BAND 1948-2017 EXPERIENCE BAND					D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5	649,851 649,825 137,526 137,526	26 512,298	0.0000 0.7884 0.0000 0.0000	1.0000 0.2116 1.0000 1.0000	64.85 64.85 13.72 13.72



ACCOUNT 343 PRIME MOVERS - SIMPLE CYCLE

PLACEMENT E	BAND 1970-2017		EXPER	RIENCE BANI	2002-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5 9.5 10.5	61,977,789 61,683,467 61,637,300 61,152,453 60,892,154 60,333,158 58,797,994 56,920,194 52,453,584 48,865,317 48,891,792 47,382,005 46,444,992	46,167 215,654 137,177 398,383 460,362 63,557 981,476 1,602,328 32,877 1,542,225 202,004	0.0000 0.0007 0.0035 0.0022 0.0065 0.0076 0.0011 0.0172 0.0305 0.0007	1.0000 0.9993 0.9965 0.9978 0.9935 0.9924 0.9989 0.9828 0.9695 0.9993	100.00 100.00 99.93 99.58 99.35 98.70 97.95 97.84 96.16 93.22 93.16 90.22 89.83
12.5 13.5 14.5 15.5 16.5 17.5 18.5	46,412,538 46,444,368 40,439,784 339,051 329,432 208,738 208,738	42,240 82,243 75,492 9,619 24,672	0.0009 0.0018 0.0019 0.0284 0.0749 0.0000 0.1075	0.9991 0.9982 0.9981 0.9716 0.9251 1.0000 0.8925	89.83 89.75 89.59 89.42 86.89 80.38
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	186,304 186,304 186,304 104,615 104,615 104,615		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000	71.74 71.74 71.74 71.74 71.74 71.74 71.74
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5	4,485 4,485 853,986 853,986 713,802 709,317 697,555 669,558 669,558	140,184 4,485 11,762 27,997 1,737 17,970	0.0000 0.0000 0.0000 0.1642 0.0063 0.0166 0.0401 0.0000 0.0026		

ACCOUNT 343 PRIME MOVERS - SIMPLE CYCLE

PLACEMENT	BAND 1970-2017		EXPER	IENCE BAN	D 2002-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	649,851	26	0.0000		
40.5	649,825	512,298	0.7884		
41.5	137,526		0.0000		
42.5	137,526		0.0000		
43.5					



ORIGINAL CURVE = 2007-2017 EXPERIENCE 1998-2017 PLACEMENTS 20 OWA 55-R2.5 40 AGE IN YEARS 20 9 ____ 100 70-50-20-10-8 8 9 30 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 343 PRIME MOVERS - WIND ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 343 PRIME MOVERS - WIND

PLACEMENT	BAND 1998-2017	EXPERIENCE BA			AND 2007-2017	
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV	
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF	
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL	
0.0	1,646,792,874		0.0000	1.0000	100.00	
0.5	1,788,655,905	902,711	0.0005	0.9995	100.00	
1.5	1,780,319,518	585,918	0.0003	0.9997	99.95	
2.5	1,770,943,271	2,905,882	0.0016	0.9984	99.92	
3.5	1,758,200,806	1,259,364	0.0007	0.9993	99.75	
4.5	1,751,271,566	3,708,589	0.0021	0.9979	99.68	
5.5	1,743,580,054	5,225,387	0.0030	0.9970	99.47	
6.5	1,733,720,316	4,260,293	0.0025	0.9975	99.17	
7.5	1,522,227,747	4,881,853	0.0032	0.9968	98.93	
8.5	1,052,298,380	3,702,351	0.0035	0.9965	98.61	
9.5	393,613,078	1,792,474	0.0046	0.9954	98.26	
10.5	180,946,049	483,631	0.0027	0.9973	97.82	
11.5	32,316,141	86,164	0.0027	0.9973	97.56	
12.5	32,229,977	468,259	0.0145	0.9855	97.30	
13.5	31,761,718		0.0000	1.0000	95.88	
14.5	31,761,718		0.0000	1.0000	95.88	
15.5	31,761,718	26,788	0.0008	0.9992	95.88	
16.5	31,734,930		0.0000	1.0000	95.80	
17.5	31,734,930		0.0000	1.0000	95.80	
18.5	31,734,930	98,890	0.0031	0.9969	95.80	
19.5					95.50	



ORIGINAL CURVE = 1969-2017 EXPERIENCE 1948-2017 PLACEMENTS 70 9 20 AGE IN YEARS 3 20 9 ____ 100 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 344 GENERATORS

ACCOUNT 344 GENERATORS

PLACEMENT 1	BAND 1948-2017		EXPER	RIENCE BAN	D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	430,964,912 428,898,474 428,477,180 424,766,895 267,727,254 265,696,147 264,051,470 261,745,309 259,982,811 257,145,404	44,282 614,880 830,817 127,032 62,057 1,184,040 1,201,890 529,744	0.0000 0.0000 0.0001 0.0014 0.0031 0.0005 0.0002 0.0045 0.0046	1.0000 1.0000 0.9999 0.9986 0.9969 0.9995 0.9995 0.9954 0.9979	100.00 100.00 100.00 99.99 99.84 99.54 99.46 99.46 99.01 98.56
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	256,578,446 190,604,328 138,264,510 123,032,695 122,489,388 53,621,598 39,269,333 39,269,333 39,251,241 38,870,424	748,885 2,121,191 1,377,719 543,307 87,605 124,884 18,092 380,817 121,844	0.0029 0.0111 0.0100 0.0044 0.0007 0.0023 0.0000 0.0005 0.0097 0.0031	0.9971 0.9889 0.9900 0.9956 0.9993 0.9977 1.0000 0.9995 0.9903 0.9969	98.35 98.07 96.97 96.01 95.58 95.52 95.29 95.29 95.25 94.33
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5 29.5 30.5 31.5	38,747,716 38,759,333 1,763,964 1,707,642 1,617,030 1,617,030 1,605,413 1,605,413 1,605,413 1,605,413 1,605,413	385,226	0.0000 0.0099 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 0.9901 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	94.03 94.03 93.10 93.10 93.10 93.10 93.10 93.10 93.10 93.10 93.10
32.5 33.5 34.5 35.5	87,835 87,835 39,047	48,789 39,047	0.0000 0.5555 1.0000	1.0000	93.10 93.10 41.39



ORIGINAL CURVE = 1998-2017 EXPERIENCE 1998-2017 PLACEMENTS 20 40 AGE IN YEARS IOWA 40-S0 20 9 J° 100 70-50-20-10-8 8 9 30 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 344 GENERATORS - WIND ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 344 GENERATORS - WIND

PLACEMENT	BAND 1998-2017		EXPE	RIENCE BAN	D 1998-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	62,170,125		0.0000	1.0000	100.00
0.5	59,435,029	21,530	0.0004	0.9996	100.00
1.5	58,501,847		0.0000	1.0000	99.96
2.5	57,485,717	107,289	0.0019	0.9981	99.96
3.5	55,460,191	368,947	0.0067	0.9933	99.78
4.5	54,236,116	360,335	0.0066	0.9934	99.11
5.5	53,716,904	295,103	0.0055	0.9945	98.45
6.5	53,110,617	252,086	0.0047	0.9953	97.91
7.5	47,205,295	464,272	0.0098	0.9902	97.45
8.5	31,424,541	779,754	0.0248	0.9752	96.49
9.5	12,256,554	419,205	0.0342	0.9658	94.10
10.5	6,660,790	117,807	0.0177	0.9823	90.88
11.5	1,671,170		0.0000	1.0000	89.27
12.5	1,671,170	23,708	0.0142	0.9858	89.27
13.5	1,647,462		0.0000	1.0000	88.00
14.5	1,647,462		0.0000	1.0000	88.00
15.5	1,647,462		0.0000	1.0000	88.00
16.5	1,647,462		0.0000	1.0000	88.00
17.5	1,647,462		0.0000	1.0000	88.00
18.5	1,647,462	148,960	0.0904	0.9096	88.00
19.5					80.05



ORIGINAL CURVE = 1969-2017 EXPERIENCE 1948-2017 PLACEMENTS 70 IOWA 70-R3 9 20 AGE IN YEARS 3 20 9 ____ 100 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT	BAND 1948-2017		EXPE	RIENCE BAN	D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	215,531,264 214,814,238 214,073,912 213,917,815 138,015,034 137,797,730 137,366,554 136,606,399 134,258,528 134,230,102	53,615 126,879 119,073 141,139 2,569 15,510 44,260	0.0000 0.0000 0.0000 0.0003 0.0009 0.0009 0.0010 0.0000 0.0001	1.0000 1.0000 0.9997 0.9991 0.9991 0.9990 1.0000 0.9999	100.00 100.00 100.00 100.00 99.97 99.88 99.80 99.69 99.69
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	134,061,774 89,886,318 75,188,689 48,932,356 48,720,081 11,043,359 9,181,521 9,181,521 9,181,521 9,181,521 9,181,649	132,263 145,981 40,233 19,593 14,355 70,561	0.0010 0.0016 0.0005 0.0004 0.0003 0.0064 0.0000 0.0000 0.0000	0.9990 0.9984 0.9995 0.9996 0.9997 0.9936 1.0000 1.0000 0.9993	99.65 99.55 99.39 99.33 99.29 99.27 98.63 98.63 98.63
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	9,174,916 9,183,935 202,372 202,372 194,556 149,233 140,214 140,214 140,214		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	98.56 98.56 98.56 98.56 98.56 98.56 98.56 98.56 98.56
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	140,214 140,214 139,172 139,172 134,252 134,252 134,252 133,171 126,669 126,669	4,920 1,081	0.0000 0.0000 0.0000 0.0354 0.0000 0.0000 0.0081 0.0000 0.0000	1.0000 1.0000 0.9646 1.0000 1.0000 0.9919 1.0000 1.0000	98.56 98.56 98.56 98.56 95.07 95.07 95.07 94.31 94.31

ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT BAND 1948-2017 EXPERIENCE BAN				D 1969-2017	
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5	126,669 126,669 126,669 126,669		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	94.31 94.31 94.31 94.31 94.31



ORIGINAL CURVE = 1998-2017 EXPERIENCE 1998-2017 PLACEMENTS IOWA 60-S0.5 20 ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT - WIND 40 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS PACIFICORP 20 9 ____ 100 8 70-50-20-10-8 9 30 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT - WIND

PLACEMENT	BAND 1998-2017		EXPE	RIENCE BAN	D 1998-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	115,930,321		0.0000	1.0000	100.00
0.5	113,656,905		0.0000	1.0000	100.00
1.5	113,321,558		0.0000	1.0000	100.00
2.5	113,081,003	202,096	0.0018	0.9982	100.00
3.5	111,933,150	142,293	0.0013	0.9987	99.82
4.5	111,216,376	173,632	0.0016	0.9984	99.69
5.5	110,718,801	231,809	0.0021	0.9979	99.54
6.5	108,593,698	212,296	0.0020	0.9980	99.33
7.5	95,204,538	245,213	0.0026	0.9974	99.14
8.5	61,799,943	1,138,647	0.0184	0.9816	98.88
9.5	24,648,827	25,366	0.0010	0.9990	97.06
10.5	11,299,218	25,063	0.0022	0.9978	96.96
11.5	2,893,483		0.0000	1.0000	96.74
12.5	2,893,483	32,041	0.0111	0.9889	96.74
13.5	2,861,442	1,855	0.0006	0.9994	95.67
14.5	2,859,587		0.0000	1.0000	95.61
15.5	2,859,587		0.0000	1.0000	95.61
16.5	2,859,587		0.0000	1.0000	95.61
17.5	2,859,587		0.0000	1.0000	95.61
18.5	2,859,587	2,236	0.0008	0.9992	95.61
19.5					95.54



ORIGINAL CURVE = 1971-2017 EXPERIENCE 1948-2017 PLACEMENTS 2 OWA 60-R3 9 ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT ORIGINAL AND SMOOTH SURVIVOR CURVES 20 AGE IN YEARS 3 20 9 ____ 100 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС

🙇 Gannett Fleming

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT I	BAND 1948-2017		EXPEF	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	12,797,204 12,723,898 12,723,898 12,723,898 9,753,915 9,696,850 9,605,033 9,520,029 9,520,029 9,457,692	62,570 103,389	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0066 0.0109	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9934 0.9891	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 99.34
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	9,354,070 6,199,443 6,199,443 3,273,164 3,272,916 180,907 180,907 180,907 180,907	2,966	0.0003 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.9997 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	98.26 98.23 98.23 98.23 98.23 98.23 98.23 98.23 98.23
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	180,970 180,970 11,813 12,009 12,009 11,813 11,813 11,813 11,813	44,373	0.0000 0.2452 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 0.7548 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	98.23 98.23 74.14 74.14 74.14 74.14 74.14 74.14 74.14
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	11,813 11,813 11,813 11,813 11,813 11,813 11,813 11,813 11,813		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT BAND 1948-2017 EXPERIENCE BAN				D 1971-2017	
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5	11,813 11,813 11,813 11,813		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	74.14 74.14 74.14 74.14 74.14



ORIGINAL CURVE ■ 2006-2017 EXPERIENCE 2006-2017 PLACEMENTS 20 OWA 60-R3 ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT 40 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS PACIFICORP 20 9 ____ 100 70-50-20-10-8 8 9 30 РЕВСЕИТ ЗИВУІУІИС

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ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT - WIND

PLACEMENT	BAND 2006-2017		EXPER	RIENCE BAN	D 2006-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	3,324,334 3,323,196 3,317,933 2,530,422 2,530,422 2,530,422 2,530,422 2,530,422 2,530,422 2,530,135 2,351,035 1,577,822	480 1,372	0.0000 0.0001 0.0004 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 0.9999 0.9996 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 99.99 99.94 99.94 99.94 99.94 99.94
9.5 10.5 11.5	243,878 81,036		0.0000	1.0000	99.94 99.94 99.94



ORIGINAL CURVE = 1971-2017 EXPERIENCE 1907-2017 PLACEMENTS IOWA 80-R4 9 8 AGE IN YEARS 9 20 اه 90 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 350.20 LAND RIGHTS ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 350.20 LAND RIGHTS

PLACEMENT :	BAND 1907-2017		EXPER	RIENCE BAN	D 1971-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	196,909,079		0.0000	1.0000	100.00
0.5	191,090,382	1,158	0.0000	1.0000	100.00
1.5	188,173,835	1,233	0.0000	1.0000	100.00
2.5	174,688,716	3,576	0.0000	1.0000	100.00
3.5	173,050,841	13,744	0.0001	0.9999	100.00
4.5	148,529,349	1,964	0.0000	1.0000	99.99
5.5	142,799,515	225,894	0.0016	0.9984	99.99
6.5	138,791,843	6,515	0.0000	1.0000	99.83
7.5	71,740,027	369,505	0.0052	0.9948	99.82
8.5	69,345,794	592	0.0000	1.0000	99.31
9.5	58,729,190	792	0.0000	1.0000	99.31
10.5	56,505,797	90,993	0.0016	0.9984	99.31
11.5	55,092,435	46,462	0.0008	0.9992	99.15
12.5	54,560,213	4,531	0.0001	0.9999	99.06
13.5	54,746,492	6,051	0.0001	0.9999	99.06
14.5	54,362,236	17,230	0.0003	0.9997	99.05
15.5	54,311,828	44,579	0.0008	0.9992	99.01
16.5	54,345,587	1,216	0.0000	1.0000	98.93
17.5	54,609,094	65,912	0.0012	0.9988	98.93
18.5	54,433,424	3,226	0.0001	0.9999	98.81
19.5	54,109,381	2,896	0.0001	0.9999	98.81
20.5	53,969,763	965	0.0000	1.0000	98.80
21.5	53,292,345	4,280	0.0001	0.9999	98.80
22.5	53,031,969	1,461	0.0000	1.0000	98.79
23.5	52,187,091	10,449	0.0002	0.9998	98.79
24.5	47,212,176	7,660	0.0002	0.9998	98.77
25.5	44,865,230	2,403	0.0001	0.9999	98.75
26.5	41,643,738	12,563	0.0003	0.9997	98.75
27.5	41,242,379	1,948	0.0000	1.0000	98.72
28.5	41,061,832	22,874	0.0006	0.9994	98.71
29.5	40,695,641	6,504	0.0002	0.9998	98.66
30.5	40,356,674	3,980	0.0001	0.9999	98.64
31.5	39,301,212	15,671	0.0004	0.9996	98.63
32.5	39,083,609	16,442	0.0004	0.9996	98.59
33.5	38,648,078	27,945	0.0007	0.9993	98.55
34.5	37,874,868	62,078	0.0016	0.9984	98.48
35.5	35,636,140	10,796	0.0003	0.9997	98.32
36.5	29,961,228	9,994	0.0003	0.9997	98.29
37.5	23,171,716	3,806	0.0002	0.9998	98.26
38.5	19,760,219	726	0.0000	1.0000	98.24



ACCOUNT 350.20 LAND RIGHTS

PLACEMENT I	BAND 1907-2017		EXPER	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	19,454,368 16,454,859 16,227,055 13,482,138 12,974,122 12,280,589 11,495,343 10,393,617 9,947,417 9,437,667	3,707 3,870 1,613 1,853 33,178 2,224 18,295 1,525 53,445 3,257	0.0002 0.0002 0.0001 0.0001 0.0026 0.0002 0.0016 0.0001 0.0054 0.0003	0.9998 0.9998 0.9999 0.9974 0.9998 0.9984 0.9999 0.9946 0.9997	98.24 98.22 98.19 98.18 98.17 97.92 97.90 97.75 97.73
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	8,858,286 8,681,625 7,974,858 7,694,311 7,484,192 6,798,940 4,596,864 4,127,175 3,925,365 3,417,025	33,090 23,824 26,005 2,356 33,247 176 9,141 164 188 51	0.0037 0.0027 0.0033 0.0003 0.0044 0.0000 0.0020 0.0020 0.0000	0.9963 0.9973 0.9967 0.9997 0.9956 1.0000 0.9980 1.0000 1.0000	97.17 96.81 96.54 96.23 96.20 95.77 95.77 95.58 95.58
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	3,131,010 2,793,281 2,333,093 2,107,642 1,507,622 1,105,372 962,814 824,911 698,193 679,884	172 5,191 19,314 22,236 30,427 5,523 89 1,109	0.0001 0.0019 0.0083 0.0106 0.0202 0.0050 0.0001 0.0013 0.0000 0.0232	0.9999 0.9981 0.9917 0.9894 0.9798 0.9950 0.9999 0.9987 1.0000 0.9768	95.57 95.56 95.39 94.60 93.60 91.71 91.25 91.24 91.12
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	649,488 635,272 316,013 296,172 251,546 244,129 243,636 232,452 231,677 230,845	4,906 7,421 12,353 15,217	0.0076 0.0117 0.0391 0.0514 0.0000 0.0000 0.0000 0.0000 0.0000	0.9924 0.9883 0.9609 0.9486 1.0000 1.0000 1.0000 1.0000	89.01 88.34 87.31 83.89 79.58 79.58 79.58 79.58 79.58



ACCOUNT 350.20 LAND RIGHTS

PLACEMENT I	BAND 1907-2017		EXPER	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5	230,176 228,878 228,030 226,245 225,048 224,771 224,008 223,569 222,955 221,111	153 14 117 51	0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0001 0.0005 0.0002	1.0000 1.0000 1.0000 1.0000 1.0000 0.9993 0.9999 0.9995	79.58 79.58 79.58 79.58 79.58 79.58 79.58 79.53 79.53 79.52
89.5 90.5 91.5 92.5 93.5 94.5	219,780 199,245 197,391 193,714 189,672 177,623	54 319	0.0002 0.0000 0.0000 0.0016 0.0000 0.0000	0.9998 1.0000 1.0000 0.9984 1.0000	79.46 79.44 79.44 79.44 79.31 79.31
95.5 96.5 97.5 98.5	174,910 171,821 167,959 163,184		0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	79.31 79.31 79.31 79.31
99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5	162,973 87,736 70,191 65,501 59,565 27,695 22,569 10,224 10,163 4,805	14	0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.9999 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	79.31 79.31 79.31 79.31 79.31 79.31 79.31 79.31 79.31
109.5 110.5	2,236		0.0000	1.0000	79.31 79.31



ORIGINAL CURVE = 1924-2017 EXPERIENCE 1902-2017 PLACEMENTS 120 100 AGE IN YEARS 40 20 ٦° 100 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 352 STRUCTURES AND IMPROVEMENTS ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1902-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INIERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	262,730,106	1,970	0.0000	1.0000	100.00
0.5	257,211,373	8,291	0.0000	1.0000	100.00
1.5	246,480,373	87,729	0.0004	0.9996	100.00
2.5	229,965,369	127,504	0.0006	0.9994	99.96
3.5	214,215,725	143,441	0.0007	0.9993	99.91
4.5	202,637,070	132,631	0.0007	0.9993	99.84
5.5 6.5	178,517,067	46,141 40,725	0.0003 0.0002	0.9997 0.9998	99.77 99.75
7.5	163,301,081 118,553,665	585,005	0.0002	0.9951	99.73
8.5	88,114,504	66,610	0.0045	0.9992	99.23
		•			
9.5	73,260,991	299,947	0.0041	0.9959	99.16
10.5	65,016,043	58,275	0.0009	0.9991	98.75
11.5	57,449,950	80,852	0.0014	0.9986	98.66
12.5 13.5	53,413,071 50,353,840	24,088 100,176	0.0005 0.0020	0.9995 0.9980	98.52 98.48
14.5	49,439,651	134,731	0.0020	0.9973	98.28
15.5	47,924,803	47,914	0.0027	0.9990	98.01
16.5	47,452,130	234,568	0.0049	0.9951	97.92
17.5	45,857,098	32,282	0.0007	0.9993	97.43
18.5	43,853,081	60,567	0.0014	0.9986	97.36
19.5	42,811,708	134,318	0.0031	0.9969	97.23
20.5	42,262,832	60,995	0.0014	0.9986	96.92
21.5	41,627,746	19,725	0.0005	0.9995	96.78
22.5	39,853,401	99,126	0.0025	0.9975	96.74
23.5	35,869,660	89,430	0.0025	0.9975	96.50
24.5	33,404,253	83,882	0.0025	0.9975	96.26
25.5	31,438,103	36,453	0.0012	0.9988	96.01
26.5	30,599,969	62,711	0.0020	0.9980	95.90
27.5	28,968,209	72,495	0.0025	0.9975	95.71
28.5	27,298,511	62,355	0.0023	0.9977	95.47
29.5	26,276,042	31,487	0.0012	0.9988	95.25
30.5	25,183,638	45,348	0.0018	0.9982	95.14
31.5	21,696,920	31,404	0.0014	0.9986	94.96
32.5	17,635,926	138,819	0.0079	0.9921	94.83
33.5	16,090,486	25,970	0.0016	0.9984	94.08
34.5	15,780,555	56,879	0.0036	0.9964	93.93
35.5	14,376,889	68,820	0.0048 0.0070	0.9952	93.59 93.14
36.5 37.5	12,673,778 10,869,661	89,085 99,410	0.0070	0.9930 0.9909	92.49
38.5	10,869,881	23,121	0.0091	0.9909	91.64
50.5	10,101,555	25,121	0.0025	0.2211	/ I . U I



ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1902-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	9,582,892 8,055,549 7,232,825 6,330,079 6,028,031 5,404,153 5,011,503 4,529,141 4,223,727 3,993,768	16,178 20,106 52,544 29,468 51,438 36,946 31,541 19,871 59,461 17,519	0.0017 0.0025 0.0073 0.0047 0.0085 0.0068 0.0063 0.0044 0.0141	0.9983 0.9975 0.9927 0.9953 0.9915 0.9932 0.9937 0.9956 0.9859	91.43 91.28 91.05 90.39 89.97 89.20 88.59 88.03 87.65 86.41
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	3,682,388 3,454,565 3,252,561 3,020,830 2,823,522 2,579,390 2,425,780 2,211,013 2,001,896 1,865,464	29,513 67,606 24,719 8,196 33,934 4,157 6,794 7,582 3,902 5,560	0.0080 0.0196 0.0076 0.0027 0.0120 0.0016 0.0028 0.0034 0.0019 0.0030	0.9920 0.9804 0.9924 0.9973 0.9880 0.9984 0.9972 0.9966 0.9981 0.9970	86.03 85.34 83.67 83.04 82.81 81.82 81.69 81.46 81.18
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	1,627,097 1,397,992 1,344,912 1,211,462 1,032,087 931,797 894,365 788,698 653,635 644,366	14,297 2,263 1,634 2,061 18,216 2,948 17,688 13,186 2,786 2,889	0.0088 0.0016 0.0012 0.0017 0.0176 0.0032 0.0198 0.0167 0.0043 0.0045	0.9912 0.9984 0.9988 0.9983 0.9824 0.9968 0.9802 0.9833 0.9957 0.9955	80.78 80.07 79.94 79.84 79.71 78.30 78.05 76.51 75.23 74.91
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	634,905 600,516 598,175 596,153 595,445 593,276 590,100 477,745 477,450 475,900	146 125 420 152 341 2,455 28,687	0.0002 0.0002 0.0007 0.0003 0.0006 0.0041 0.0486 0.0000 0.0000	0.9998 0.9998 0.9993 0.9997 0.9994 0.9959 0.9514 1.0000 1.0000	74.57 74.55 74.54 74.49 74.47 74.43 74.12 70.51 70.51



ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1902-2017		EXPE	RIENCE BAN	1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5 88.5	475,453 474,290 474,050 473,892 473,231 473,231 461,878 406,485 406,485	169 158 661 10,807 21,607 601 281	0.0000 0.0004 0.0003 0.0014 0.0000 0.0228 0.0468 0.0000 0.0015 0.0007	1.0000 0.9996 0.9997 0.9986 1.0000 0.9772 0.9532 1.0000 0.9985 0.9993	70.51 70.49 70.47 70.37 70.37 68.76 65.54 65.54
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5	394,118 392,292 390,562 389,708 376,327 376,175 351,383 349,015 346,691 335,401	1,826 659 7,429 2,247 2,323 507	0.0046 0.0017 0.0000 0.0000 0.0000 0.0197 0.0064 0.0067 0.0015 0.0000	0.9954 0.9983 1.0000 1.0000 0.9803 0.9936 0.9933 0.9985 1.0000	65.40 65.10 64.99 64.99 64.99 63.71 63.30 62.88 62.79
99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5	298,835 294,136 293,841 289,489 109,518 68,641 408	4,699 4,352	0.0157 0.0000 0.0148 0.0000 0.0000 0.0000	0.9843 1.0000 0.9852 1.0000 1.0000 1.0000	62.79 61.80 61.80 60.88 60.88 60.88 60.88



ORIGINAL CURVE = 1924-2017 EXPERIENCE 1897-2017 PLACEMENTS 9 8 IOWA 58-S0 AGE IN YEARS 9 20 ٦° 901 70-10-8 8 9 50 30 20 РЕВСЕИТ ЗИВУІУІИС



ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 353 STATION EQUIPMENT

ACCOUNT 353 STATION EQUIPMENT

PLACEMENT 1	BAND 1897-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	2,472,517,602 2,347,756,170 2,272,287,137 2,123,251,783 2,025,970,363 1,926,645,247 1,784,592,206 1,664,867,777 1,388,959,546 1,237,147,976	709,336 2,133,875 4,914,768 3,955,184 6,048,283 4,319,111 4,205,102 4,602,797 8,838,135 3,558,019	0.0003 0.0009 0.0022 0.0019 0.0030 0.0022 0.0024 0.0028 0.0064 0.0029	0.9997 0.9991 0.9978 0.9981 0.9970 0.9978 0.9976 0.9972 0.9936 0.9971	100.00 99.97 99.88 99.66 99.48 99.18 98.96 98.73 98.45 97.83
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	1,109,792,392 1,055,422,762 995,621,608 944,465,217 891,339,763 846,015,165 809,260,792 779,316,166 733,707,535 706,931,613	3,907,956 6,127,916 3,693,141 3,303,976 2,690,225 6,697,621 6,110,445 5,494,389 5,399,769 7,473,440	0.0035 0.0058 0.0037 0.0035 0.0030 0.0079 0.0076 0.0071 0.0074 0.0106	0.9965 0.9942 0.9963 0.9965 0.9970 0.9921 0.9924 0.9929 0.9926 0.9894	97.55 97.20 96.64 96.28 95.94 95.65 94.90 94.18 93.52 92.83
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	683,879,818 666,450,578 650,726,347 622,010,830 560,437,893 507,044,918 460,853,639 408,201,543 373,546,273 352,921,964	6,112,551 4,862,127 5,146,776 5,928,583 6,946,430 7,393,488 5,726,213 4,789,821 4,701,970 2,633,716	0.0089 0.0073 0.0079 0.0095 0.0124 0.0146 0.0124 0.0117 0.0126 0.0075	0.9911 0.9927 0.9921 0.9905 0.9876 0.9854 0.9883 0.9884 0.9883	91.85 91.02 90.36 89.65 88.79 87.69 86.41 85.34 84.34
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5	331,957,735 317,261,438 298,800,357 283,871,944 261,268,950 249,121,646 213,283,032 200,756,658 178,572,860 169,458,634	2,985,612 3,595,659 3,223,119 4,496,120 3,108,209 6,793,821 2,618,381 2,427,611 2,230,608 3,618,728	0.0090 0.0113 0.0108 0.0158 0.0119 0.0273 0.0123 0.0121 0.0125 0.0214	0.9910 0.9887 0.9892 0.9842 0.9881 0.9727 0.9877 0.9879 0.9875	82.65 81.91 80.98 80.11 78.84 77.90 75.78 74.85 73.94 73.02



ACCOUNT 353 STATION EQUIPMENT

PLACEMENT I	BAND 1897-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	149,589,562 129,281,205 107,112,085 97,570,680 93,102,696 84,187,604 75,700,547 68,040,856 61,474,514 57,239,182	1,382,349 4,331,572 2,925,998 1,853,151 1,903,736 1,632,384 2,495,301 1,600,635 948,011 581,301	0.0092 0.0335 0.0273 0.0190 0.0204 0.0194 0.0330 0.0235 0.0154 0.0102	0.9908 0.9665 0.9727 0.9810 0.9796 0.9806 0.9670 0.9765 0.9846 0.9898	71.46 70.80 68.43 66.56 65.29 63.96 62.72 60.65 59.22 58.31
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	52,880,306 49,182,077 44,068,464 41,483,569 38,271,440 34,526,467 30,446,201 26,803,175 23,858,286 21,634,404	1,185,396 1,606,194 636,688 518,453 714,822 809,947 342,024 571,806 222,068 504,246	0.0224 0.0327 0.0144 0.0125 0.0187 0.0235 0.0112 0.0213 0.0093 0.0233	0.9776 0.9673 0.9856 0.9875 0.9813 0.9765 0.9888 0.9787 0.9907	57.72 56.42 54.58 53.79 53.12 52.13 50.91 50.33 49.26 48.80
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	17,272,233 14,080,991 12,266,798 10,849,267 8,349,525 7,265,623 6,173,709 4,973,229 4,364,958 3,279,565	679,334 245,425 180,599 479,467 216,440 124,039 178,368 174,164 129,544 83,020	0.0393 0.0174 0.0147 0.0442 0.0259 0.0171 0.0289 0.0350 0.0297 0.0253	0.9607 0.9826 0.9853 0.9558 0.9741 0.9829 0.9711 0.9650 0.9703 0.9747	47.66 45.79 44.99 44.33 42.37 41.27 40.57 39.40 38.02 36.89
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	3,026,961 2,762,938 2,361,934 2,324,143 2,158,334 2,074,831 1,965,132 1,893,768 1,878,658 1,813,697	141,152 359,137 31,596 10,463 43,919 99,430 35,258 4,984 63,307 2,504	0.0466 0.1300 0.0134 0.0045 0.0203 0.0479 0.0179 0.0026 0.0337 0.0014	0.9534 0.8700 0.9866 0.9955 0.9797 0.9521 0.9821 0.9974 0.9663 0.9986	35.95 34.28 29.82 29.42 29.29 28.69 27.32 26.83 26.76 25.86



ACCOUNT 353 STATION EQUIPMENT

PLACEMENT :	BAND 1897-2017		EXPE	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5	1,806,947 1,779,937 1,772,696 1,734,100 1,723,787 1,671,600 1,551,015 1,295,517 1,204,317 1,131,372	23,154 6,941 38,595 4,036 52,187 26,286 202,083 85,778 8,865 20,481	0.0128 0.0039 0.0218 0.0023 0.0303 0.0157 0.1303 0.0662 0.0074 0.0181	0.9872 0.9961 0.9782 0.9977 0.9697 0.9843 0.8697 0.9338 0.9926 0.9819	25.82 25.49 25.39 24.84 24.78 24.03 23.65 20.57 19.21 19.07
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5	1,131,372 1,104,553 1,014,567 920,773 855,959 828,465 766,693 714,012 692,002 682,795 607,091	67,350 59,678 6,509 9,852 35,022 1,043 603 8,690 60,971 20,591	0.0610 0.0588 0.0071 0.0115 0.0423 0.0014 0.0008 0.0126 0.0893 0.0339	0.9319 0.9390 0.9412 0.9929 0.9885 0.9577 0.9986 0.9992 0.9874 0.9107 0.9661	19.07 18.72 17.58 16.55 16.43 16.24 15.55 15.53 15.52 15.32 13.96
99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5	529,732 454,387 356,794 334,639 270,721 155,325 40,322 3,879 3,879 3,879	954 79,475 4,478 7,541 411	0.0018 0.1749 0.0126 0.0000 0.0279 0.0000 0.0102 0.0000 0.0000 0.1227	0.9982 0.8251 0.9874 1.0000 0.9721 1.0000 0.9898 1.0000 1.0000 0.8773	13.48 13.46 11.10 10.97 10.97 10.66 10.55 10.55
109.5 110.5 111.5 112.5 113.5 114.5	934 934 934 934 934		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	9.26 9.26 9.26 9.26 9.26 9.26



ORIGINAL CURVE = 1937-2017 EXPERIENCE 1909-2017 PLACEMENTS 100 AGE IN YEARS 4 20 -|0 100 70-10-8 8 9 50 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 354 TOWERS AND FIXTURES ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 354 TOWERS AND FIXTURES

PLACEMENT	BAND 1909-2017		EXPER	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	1,307,988,079	555	0.0000	1.0000	100.00
0.5	1,303,151,686	53,397	0.0000	1.0000	100.00
1.5	1,299,345,871	596,869	0.0005	0.9995	100.00
2.5	1,216,720,551	1,119,681	0.0009	0.9991	99.95
3.5	1,206,978,711	1,362,761	0.0011	0.9989	99.86
4.5	992,276,423	2,032,054	0.0020	0.9980	99.75
5.5	973,733,693	627,381	0.0006	0.9994	99.54
6.5	965,929,095	291,186	0.0003	0.9997	99.48
7.5	496,070,104	358,762	0.0007	0.9993	99.45
8.5	438,560,814	189,507	0.0004	0.9996	99.37
9.5	421,926,062	595,144	0.0014	0.9986	99.33
10.5	376,344,672	250,161	0.0007	0.9993	99.19
11.5	373,283,926	68,490	0.0002	0.9998	99.13
12.5	364,237,174	462,158	0.0013	0.9987	99.11
13.5	356,971,807	504,188	0.0014	0.9986	98.98
14.5	348,257,385	316,849	0.0009	0.9991	98.84
15.5	345,549,182	320,375	0.0009	0.9991	98.75
16.5	337,237,337	48,839	0.0001	0.9999	98.66
17.5	334,847,211	37,982	0.0001	0.9999	98.65
18.5	331,904,619	443,080	0.0013	0.9987	98.64
19.5	330,932,317	75,426	0.0002	0.9998	98.50
20.5	329,784,080	53,777	0.0002	0.9998	98.48
21.5	329,542,638	607,602	0.0018	0.9982	98.47
22.5	328,142,534	73,892	0.0002	0.9998	98.28
23.5	327,659,552	342,365	0.0010	0.9990	98.26
24.5	314,895,224	208,135	0.0007	0.9993	98.16
25.5	305,749,032	168,197	0.0006	0.9994	98.09
26.5	305,482,677	77,445	0.0003	0.9997	98.04
27.5	271,029,666	59,999	0.0002	0.9998	98.01
28.5	270,689,450	172,717	0.0006	0.9994	97.99
29.5	270,175,442	27,458	0.0001	0.9999	97.93
30.5	267,937,593	61,604	0.0002	0.9998	97.92
31.5	266,512,851	94,341	0.0004	0.9996	97.90
32.5	266,418,510	92,651	0.0003	0.9997	97.86
33.5	258,221,446	8,824	0.0000	1.0000	97.83
34.5	245,445,556	7,902	0.0000	1.0000	97.83
35.5	206,740,325	120,003	0.0006	0.9994	97.82
36.5	134,124,322	66,973	0.0005	0.9995	97.77
37.5	93,038,686	10,985	0.0001	0.9999	97.72
38.5	77,933,474	173,794	0.0022	0.9978	97.71



ACCOUNT 354 TOWERS AND FIXTURES

PLACEMENT	BAND 1909-2017		EXPEF	RIENCE BAN	D 1937-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	56,952,548	13,640	0.0002	0.9998	97.49
40.5	51,898,403	34,784	0.0007	0.9993	97.46
41.5	38,697,126	330,586	0.0085	0.9915	97.40
42.5	17,938,000	34,618	0.0019	0.9981	96.57
43.5	16,862,502	13,022	0.0008	0.9992	96.38
44.5	11,399,087	44,788	0.0039	0.9961	96.31
45.5	11,195,810	40,363	0.0036	0.9964	95.93
46.5	11,153,275	27,273	0.0024	0.9976	95.58
47.5 48.5	11,037,914 10,961,623	3,268 94,265	0.0003 0.0086	0.9997 0.9914	95.35 95.32
49.5	9,841,711	19,301	0.0020	0.9980	94.50
50.5	9,248,338	44,771	0.0048	0.9952	94.32
51.5	5,426,513	49,812	0.0092	0.9908	93.86
52.5	5,136,305	77,966 5,769	0.0152	0.9848 0.9987	93.00 91.59
53.5 54.5	4,610,052 3,858,366	77,679	0.0013 0.0201	0.9967	91.59
55.5	3,094,709	25,615	0.0201	0.9799	89.63
56.5	2,871,663	11,162	0.0033	0.9917	88.89
57.5	2,669,874	13,018	0.0039	0.9951	88.54
58.5	2,298,129	16,019	0.0070	0.9930	88.11
59.5	1,658,259	21,029	0.0127	0.9873	87.50
60.5	1,637,230	11,791	0.0072	0.9928	86.39
61.5	1,553,374	7,346	0.0047	0.9953	85.76
62.5	1,522,178	14,070	0.0092	0.9908	85.36
63.5	1,281,578	29,568	0.0231	0.9769	84.57
64.5	272,291	10,210	0.0375	0.9625	82.62
65.5	254,034	41,953	0.1651	0.8349	79.52
66.5	212,081	14,405	0.0679	0.9321	66.39
67.5	197,676	39,683	0.2007	0.7993 0.9142	61.88
68.5	110,176	9,452	0.0858		49.46
69.5	100,724	20,134	0.1999	0.8001	45.21
70.5	80,590	7,565	0.0939	0.9061	36.18
71.5	67,596 53,600		0.2057		32.78
72.5	53,690 16,700	36,981	0.6888	0.3112	26.04
73.5 74.5	16,709 12,898	3,812 6,759	0.2281 0.5241	0.7719 0.4759	8.10 6.25
74.5	6,138	2,266	0.3241	0.4759	2.98
76.5	3,873	956	0.2469	0.7531	1.88
77.5	2,917	346	0.1185	0.8815	1.41
78.5	2,571	1,433	0.5572	0.4428	1.25
79.5	1,139	1,139	1.0000		0.55
80.5					

ORIGINAL CURVE = 1924-2017 EXPERIENCE 1901-2017 PLACEMENTS 9 IOWA 60-R2 8 AGE IN YEARS 9 20 ٦° 70-10-8 8 9 50 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 355 POLES AND FIXTURES ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 355 POLES AND FIXTURES

PLACEMENT	BAND 1901-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	1,028,325,036 994,926,565 973,940,036 813,099,186 779,763,613 740,636,153 703,316,167 664,570,567 615,459,805 591,426,531	1,280,565 3,265,537 2,060,180 3,200,784 4,583,307 2,827,166 1,859,190 2,128,297 1,986,393 1,453,623	0.0012 0.0033 0.0021 0.0039 0.0059 0.0038 0.0026 0.0032 0.0032	0.9988 0.9967 0.9979 0.9961 0.9941 0.9962 0.9974 0.9968 0.9968	100.00 99.88 99.55 99.34 98.95 98.36 97.99 97.73 97.42 97.10
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	565,478,235 532,928,791 516,041,984 498,785,996 483,495,460 452,570,912 427,013,428 409,803,359 394,334,248 375,595,891	2,349,322 3,128,899 3,003,803 1,536,553 1,744,476 1,741,445 1,480,475 2,053,443 1,103,203 1,893,429	0.0042 0.0059 0.0058 0.0031 0.0036 0.0038 0.0035 0.0050	0.9958 0.9941 0.9942 0.9969 0.9964 0.9962 0.9965 0.9950	96.86 96.46 95.90 95.34 95.04 94.70 94.34 94.01 93.54 93.28
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	361,209,073 347,814,720 333,663,777 313,000,561 288,557,250 260,116,682 241,494,763 215,452,299 208,160,222 200,518,439	1,691,944 1,065,696 1,300,884 1,185,736 1,314,405 1,297,228 889,470 1,086,560 1,200,476 1,137,380	0.0047 0.0031 0.0039 0.0038 0.0046 0.0050 0.0037 0.0050 0.0058	0.9953 0.9969 0.9961 0.9962 0.9954 0.9950 0.9963 0.9950 0.9942	92.81 92.37 92.09 91.73 91.38 90.97 90.51 90.18 89.72 89.21
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	193,295,122 185,951,680 168,070,671 159,301,550 150,317,685 141,454,488 130,408,054 118,212,827 110,064,977 105,166,708	1,138,575 1,871,916 896,993 918,609 1,419,803 957,523 610,767 917,532 665,121 991,100	0.0059 0.0101 0.0053 0.0058 0.0094 0.0068 0.0047 0.0078 0.0060 0.0094	0.9941 0.9899 0.9947 0.9942 0.9906 0.9932 0.9953 0.9922 0.9940 0.9906	88.70 88.18 87.29 86.82 86.32 85.51 84.93 84.53 83.88



ACCOUNT 355 POLES AND FIXTURES

PLACEMENT	BAND 1901-2017		EXPE	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF		RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5 40.5	99,045,871 90,631,387	746,363 674,681	0.0075 0.0074	0.9925 0.9926	82.58 81.96
41.5	84,233,082	549,386	0.0065	0.9935	81.35
42.5	77,817,408	515,421	0.0066	0.9934	80.82
43.5	75,393,015	712,134	0.0094	0.9906	80.28
44.5	71,513,709	534,158	0.0075	0.9925	79.53
45.5	66,578,431	512,771	0.0077	0.9923	78.93
46.5	51,656,936	380,523	0.0074	0.9926	78.32
47.5	49,342,018	439,060	0.0089	0.9911	77.75
48.5	46,153,593	446,827	0.0097	0.9903	77.06
49.5	42,106,545	400,346	0.0095	0.9905	76.31
50.5	40,656,381	473,924	0.0117	0.9883	75.58
51.5	37,640,874	378,959	0.0101	0.9899	74.70
52.5	34,908,510	339,461	0.0097	0.9903	73.95
53.5	28,892,026	524,774	0.0182	0.9818	73.23
54.5	24,116,013	376,366	0.0156	0.9844	71.90
55.5	20,434,991	344,964	0.0169	0.9831	70.78
56.5	16,244,812	328,568	0.0202	0.9798	69.58
57.5	13,110,053	329,542	0.0251	0.9749	68.18
58.5	11,303,459	273,011	0.0242	0.9758	66.46
59.5	9,644,332	247,133	0.0256	0.9744	64.86
60.5	6,663,781	134,569	0.0202	0.9798	63.20
61.5	5,445,883	127,279	0.0234	0.9766	61.92
62.5	4,106,263	105,980	0.0258	0.9742	60.47
63.5	2,637,971	89,902	0.0341	0.9659	58.91
64.5	724,678	109,890	0.1516	0.8484	56.90
65.5	560,453	15,848	0.0283	0.9717	48.28
66.5	353,411	39,597	0.1120	0.8880	46.91
67.5	271,458	22,476	0.0828	0.9172	41.65
68.5	235,333	12,633	0.0537	0.9463	38.21
69.5	209,659	12,162	0.0580	0.9420	36.15
70.5	194,165	5,901	0.0304	0.9696	34.06
71.5	83,852	20,663	0.2464	0.7536	33.02
72.5	63,188	6,374	0.1009	0.8991	24.88
73.5	56,814	6,490	0.1142	0.8858	22.37
74.5	50,325	8,395	0.1668	0.8332	19.82
75.5	41,930	4,430	0.1057	0.8943	16.51
76.5	2,337	592	0.2535	0.7465	14.77
77.5	1,745	345	0.1979	0.8021	11.02
78.5	1,399		0.0000	1.0000	8.84



ACCOUNT 355 POLES AND FIXTURES

PLACEMENT E	EXPER	RIENCE BAN	D 1924-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5	1,399 953 953 365	446 588 365	0.3188 0.0000 0.6167 1.0000	0.6812 1.0000 0.3833	8.84 6.02 6.02 2.31



ORIGINAL CURVE = 1924-2017 EXPERIENCE 1900-2017 PLACEMENTS 9 IOWA 65-R 8 AGE IN YEARS 9 20 -|0 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

PLACEMENT	BAND 1900-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	1,309,492,557 1,283,455,568 1,266,213,083 1,133,202,365 1,109,245,605 967,486,570 942,288,832 906,535,975 770,556,503 743,799,355	553,625 2,135,504 2,043,253 3,137,495 3,229,657 2,916,640 2,110,446 2,069,831 1,711,827 857,369	0.0004 0.0017 0.0016 0.0028 0.0029 0.0030 0.0022 0.0023 0.0022	0.9996 0.9983 0.9984 0.9972 0.9971 0.9970 0.9978 0.9977 0.9978	100.00 99.96 99.79 99.63 99.35 99.07 98.77 98.55 98.32 98.10
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	715,382,918 669,129,577 655,476,523 636,679,015 617,956,013 595,158,524 579,189,794 565,648,911 553,801,615 541,647,463	1,444,938 1,770,654 1,725,655 1,532,456 1,285,913 1,630,784 975,111 2,127,267 739,352 1,128,419	0.0020 0.0026 0.0026 0.0024 0.0021 0.0027 0.0017 0.0038 0.0013	0.9980 0.9974 0.9974 0.9976 0.9979 0.9973 0.9983 0.9962 0.9987 0.9979	97.99 97.79 97.53 97.28 97.04 96.84 96.57 96.41 96.05 95.92
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	530,304,124 520,180,441 511,805,417 496,925,278 482,597,781 439,186,556 417,714,057 392,683,119 363,380,107 355,283,813	1,076,094 691,032 2,005,205 665,460 631,028 1,220,266 461,488 516,899 1,097,558 1,721,623	0.0020 0.0013 0.0039 0.0013 0.0013 0.0028 0.0011 0.0013 0.0030 0.0048	0.9980 0.9987 0.9961 0.9987 0.9987 0.9972 0.9989 0.9987 0.9970	95.72 95.53 95.40 95.03 94.90 94.77 94.51 94.41 94.28 94.00
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	349,868,616 343,385,931 331,954,248 328,664,080 319,378,401 304,465,595 272,959,405 217,280,018 185,822,111 173,403,208	601,554 1,855,347 765,826 588,057 1,087,537 630,686 559,711 755,798 327,500 672,208	0.0017 0.0054 0.0023 0.0018 0.0034 0.0021 0.0021 0.0035 0.0018 0.0039	0.9983 0.9946 0.9977 0.9982 0.9966 0.9979 0.9979 0.9965 0.9982 0.9961	93.54 93.38 92.88 92.66 92.50 92.18 91.99 91.80 91.48 91.32

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

PLACEMENT	BAND 1900-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	160,819,937 150,395,476 138,715,969 116,243,426 112,878,373 102,211,677 96,545,110 79,958,667 75,508,059 71,632,295	393,082 351,823 566,220 429,344 220,287 473,370 1,811,466 338,973 355,232 474,721	0.0024 0.0023 0.0041 0.0037 0.0020 0.0046 0.0188 0.0042 0.0047 0.0066	0.9976 0.9977 0.9959 0.9963 0.9980 0.9954 0.9812 0.9958 0.9953 0.9934	90.97 90.75 90.53 90.16 89.83 89.66 89.24 87.57 87.19
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	65,814,976 63,546,921 58,984,474 54,707,622 48,623,185 42,800,178 36,272,232 30,182,069 26,401,285 23,241,991	885,268 520,972 1,566,270 540,389 1,063,399 1,671,341 586,201 609,613 789,760 224,151	0.0135 0.0082 0.0266 0.0099 0.0219 0.0390 0.0162 0.0202 0.0299 0.0096	0.9865 0.9918 0.9734 0.9901 0.9781 0.9610 0.9838 0.9798 0.9701 0.9904	86.21 85.05 84.35 82.11 81.30 79.52 76.42 75.18 73.66 71.46
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	20,447,841 15,813,365 13,879,260 11,313,703 8,501,534 2,588,454 2,332,158 1,931,421 1,609,284 1,541,399	73,849 137,127 826,050 180,923 75,609 68,365 84,748 35,119 29,494 162,822	0.0036 0.0087 0.0595 0.0160 0.0089 0.0264 0.0363 0.0182 0.0183 0.1056	0.9964 0.9913 0.9405 0.9840 0.9911 0.9736 0.9637 0.9818 0.9817 0.8944	70.77 70.52 69.90 65.74 64.69 64.12 62.42 60.16 59.06 57.98
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	1,372,870 1,295,453 244,016 222,250 211,887 134,181 122,519 17,074 16,739 3,163	67,008 5,607 21,766 10,363 77,706 11,662 1,344 335 13,576	0.0488 0.0043 0.0892 0.0466 0.3667 0.0869 0.0110 0.0196 0.8110 0.0323	0.9512 0.9957 0.9108 0.9534 0.6333 0.9131 0.9890 0.9804 0.1890 0.9677	51.85 49.32 49.11 44.73 42.64 27.00 24.66 24.39 23.91 4.52

ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

PLACEMENT E	EXPER	RIENCE BAN	D 1924-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5	3,061 2,843 2,609 1,900	219 234 709 1,900	0.0714 0.0822 0.2717 1.0000	0.9286 0.9178 0.7283	4.37 4.06 3.73 2.71



ORIGINAL CURVE = 1967-2017 EXPERIENCE 1949-2013 PLACEMENTS 9 IOWA 60-S2.5 8 AGE IN YEARS 9 20 ٦° 100 70-50-20-10-8 8 9 30 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 357 UNDERGROUND CONDUIT ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 357 UNDERGROUND CONDUIT

PLACEMENT	BAND 1949-2013		EXPEF	RIENCE BAN	1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	3,469,790 3,468,443 3,467,007 3,476,551 3,476,551 3,459,129 3,397,890 3,217,407 3,217,407 3,156,641	1,347 1,436	0.0004 0.0004 0.0000 0.0000 0.0000 0.0000 0.0001 0.0000 0.0000	0.9996 0.9996 1.0000 1.0000 1.0000 0.9999 1.0000 1.0000	100.00 99.96 99.92 99.92 99.92 99.92 99.91 99.91
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	3,154,395 3,150,715 2,344,767 2,254,693 2,297,629 2,295,814 2,295,184 1,945,752 1,952,658 1,940,298	0 1,815 6,906	0.0000 0.0000 0.0000 0.0000 0.0008 0.0000 0.0000 0.0000 0.0035	1.0000 1.0000 1.0000 1.0000 0.9992 1.0000 1.0000 0.9965 1.0000	99.91 99.91 99.91 99.91 99.84 99.84 99.84 99.84
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	1,940,298 101,635 101,635 101,635 101,635 101,635 101,635 101,635 100,228 100,228		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	100,228 100,228 100,228 100,228 100,228 100,228 98,022 98,022 98,022 98,022	2,207	0.0000 0.0000 0.0000 0.0000 0.0000 0.0220 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 0.9780 1.0000 1.0000	99.48 99.48 99.48 99.48 99.48 99.48 97.29 97.29



ACCOUNT 357 UNDERGROUND CONDUIT

PLACEMENT H	BAND 1949-2013		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
BEGIN OF INTERVAL 39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	98,022 81,696 81,696 81,696 81,696 81,696 81,696 81,696 81,696 75,325 57,415 57,415 57,415 47,054 47,054 47,054 47,054 47,054	DURING AGE INTERVAL	RETMT RATIO 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	SURV RATIO 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	97.29 97.29 97.29 97.29 97.29 97.29 97.29 97.29 97.29 97.29 97.29 97.29 97.29 97.29 97.29
58.5	46,066		0.0000	1.0000	97.29
59.5 60.5 61.5 62.5 63.5 64.5	46,066 46,066 46,066 44,934 44,934		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	97.29 97.29 97.29 97.29 97.29 97.29



ORIGINAL CURVE = 1964-2017 EXPERIENCE 1949-2013 PLACEMENTS 9 IOWA 60-S2.5 8 AGE IN YEARS 9 20 ٦° 100 70-50-10-8 8 9 30 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 358 UNDERGROUND CONDUCTORS AND DEVICES

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 358 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1949-2013		EXPEF	RIENCE BAN	D 1964-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	8,438,283 8,003,005 8,003,005 8,003,005 8,067,711 8,059,717 8,043,346 7,507,452	60,838	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9919	100.00 100.00 100.00 100.00 100.00 100.00 100.00
7.5 8.5	7,446,614 7,484,001	3,620	0.0000 0.0005	1.0000 0.9995	99.19 99.19
9.5 10.5 11.5 12.5 13.5 14.5 15.5	7,440,832 7,371,699 4,250,076 4,088,206 4,088,206 4,092,237 4,092,237	5,601 616	0.0000 0.0000 0.0013 0.0000 0.0002 0.0000 0.0000	1.0000 1.0000 0.9987 1.0000 0.9998 1.0000	99.14 99.14 99.14 99.01 99.01 99.00 99.00
16.5 17.5 18.5	2,896,751 2,394,392 2,364,182	14,631 4,646	0.0051 0.0019 0.0000	0.9949 0.9981 1.0000	99.00 98.50 98.30
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	2,364,182 1,184,063 1,184,063 1,135,933 1,135,933 1,135,933 1,129,812 1,129,812 1,087,552 1,087,552		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	1,087,552 1,087,552 1,087,552 1,087,552 1,087,552 1,087,552 1,087,552 775,628 775,628		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30



ACCOUNT 358 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1949-2013		EXPER	RIENCE BAN	D 1964-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	775,628 606,581 606,581 606,581 606,581 463,480 463,480 463,480 463,480 417,428 417,428 417,428 417,428 104,887 104,887 104,887 49,887		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30 98.30
59.5 60.5 61.5 62.5 63.5 64.5	49,887 49,887 49,887 21,721 21,721		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	98.30 98.30 98.30 98.30 98.30 98.30



ORIGINAL CURVE = 1959-2017 EXPERIENCE 1920-2013 PLACEMENTS IOWA 70-R5 100 8 ORIGINAL AND SMOOTH SURVIVOR CURVES ACCOUNT 359 ROADS AND TRAILS AGE IN YEARS PACIFICORP 9 20 -|0 100 70-50-20-10-8 8 9 30 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 359 ROADS AND TRAILS

PLACEMENT	BAND 1920-2013		EXPER	RIENCE BAN	D 1959-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	11,847,891 11,849,067 11,849,433 11,848,393 11,853,148 11,850,663 11,550,663 11,549,368 11,499,578 11,407,934	426 73 687	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9999	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	11,398,311 11,396,071 11,300,392 11,283,799 11,281,452 11,251,849 11,155,257 10,868,943 10,858,637 10,837,619	22	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	99.99 99.99 99.99 99.99 99.99 99.99 99.99
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	10,827,561 10,774,217 10,774,283 10,750,411 8,526,698 3,664,901 2,327,287 2,327,053 2,326,951 2,326,951	34 298 331 120 300 372 235 102	0.0000 0.0000 0.0000 0.0000 0.0001 0.0001 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 0.9999 0.9999 1.0000 1.0000	99.99 99.99 99.98 99.98 99.98 99.95 99.97
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	2,326,951 2,017,127 1,951,687 1,919,788 1,870,982 1,757,062 1,757,062 265,241 265,241 254,977	168 727 769 274	0.0001 0.0004 0.0000 0.0000 0.0000 0.0000 0.0004 0.0000 0.0000	0.9999 0.9996 1.0000 1.0000 1.0000 0.9996 1.0000 1.0000 0.9989	99.95 99.95 99.91 99.91 99.91 99.91 99.87 99.87 99.87



ACCOUNT 359 ROADS AND TRAILS

PLACEMENT	BAND 1920-2013		EXPEF	RIENCE BAN	D 1959-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5	254,703 254,703 254,339 254,339 253,687 253,086 251,966	364 652 601 1,120 1,515	0.0000 0.0014 0.0000 0.0026 0.0024 0.0044 0.0060	1.0000 0.9986 1.0000 0.9974 0.9976 0.9956	99.76 99.76 99.62 99.62 99.36 99.13 98.69
46.5 47.5 48.5	250,451 248,909 247,529	1,542 1,380 939	0.0062 0.0055 0.0038	0.9938 0.9945 0.9962	98.09 97.49 96.95
49.5 50.5 51.5 52.5 53.5 54.5	238,676 238,058 237,817 216,794 210,142 187,268	618 240 840 800 4,071	0.0026 0.0010 0.0035 0.0037 0.0194 0.0000	0.9974 0.9990 0.9965 0.9963 0.9806 1.0000	96.58 96.33 96.24 95.90 95.54 93.69
55.5 56.5 57.5 58.5	151,773 150,152 143,532 140,238	535 637	0.0000 0.0036 0.0000 0.0045	1.0000 0.9964 1.0000 0.9955	93.69 93.69 93.36 93.36
59.5 60.5 61.5 62.5	139,363 136,372 131,819 127,905	1,438 2,657 965	0.0103 0.0195 0.0000 0.0075	0.9897 0.9805 1.0000 0.9925	92.93 91.97 90.18 90.18
63.5 64.5 65.5 66.5 67.5 68.5	123,669 84,214 76,303 73,583 64,760 63,542	109 265 193	0.0000 0.0000 0.0014 0.0036 0.0000 0.0030	1.0000 1.0000 0.9986 0.9964 1.0000 0.9970	89.50 89.50 89.50 89.37 89.05
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	63,349 63,349 5,549 5,292 5,292 5,292 3,675 3,675 1,305	257	0.0000 0.0000 0.0463 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 0.9537 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	88.78 88.78 88.78 84.67 84.67 84.67 84.67 84.67 84.67



ACCOUNT 359 ROADS AND TRAILS

PLACEMENT I	BAND 1920-2013		EXPER	RIENCE BAN	D 1959-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5	1,305 1,305 1,305 125	125	0.0000 0.0000 0.0000 1.0000	1.0000 1.0000 1.0000	84.67 84.67 84.67 84.67



DISTRIBUTION AND GENERAL PLANT



OREGON PROPERTY



ORIGINAL CURVE = 1971-2017 EXPERIENCE 100 IOWA 60-S2.5 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕВСЕИТ ЗИВУІЛІИС



OREGON PROPERTY
ACCOUNT 360.2 LAND RIGHTS
ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT	BAND 1924-2017		EXPER	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	3,818,886 3,616,849 3,599,444 3,663,356 3,704,041 3,717,797 3,686,965 3,590,981 3,445,259 3,015,907	724 413	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0002 0.0001	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9998 0.9999	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 99.98
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	2,994,913 3,011,956 3,048,103 3,068,150 3,105,534 3,146,433 3,167,973 3,277,309 3,297,131 3,316,411	1,282 580 401 1,700 2,251 2,882 2,484 1,297 1,804 3,882	0.0004 0.0002 0.0001 0.0006 0.0007 0.0009 0.0008 0.0004 0.0005 0.0012	0.9996 0.9998 0.9999 0.9994 0.9993 0.9991 0.9992 0.9996 0.9995	99.97 99.92 99.90 99.89 99.83 99.76 99.67 99.59 99.55
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	3,278,612 3,268,305 3,279,364 3,251,388 3,263,858 3,355,048 3,335,574 3,780,857 3,756,290 3,660,245	3,420 3,770 1,431 104 4,935 4,419 17,350 21,559 24,597	0.0010 0.0012 0.0004 0.0000 0.0000 0.0015 0.0013 0.0046 0.0057 0.0067	0.9990 0.9988 0.9996 1.0000 1.0000 0.9985 0.9987 0.9954 0.9943	99.38 99.28 99.16 99.12 99.12 99.12 98.97 98.84 98.39 97.82
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	3,588,008 3,502,896 2,790,257 2,765,120 2,746,195 2,690,821 2,604,963 2,527,618 2,466,939 2,399,339	24,970 33,131 25,137 18,926 18,149 22,327 21,423 20,474 21,047 82,327	0.0070 0.0095 0.0090 0.0068 0.0066 0.0083 0.0082 0.0081 0.0085 0.0343	0.9930 0.9905 0.9910 0.9932 0.9934 0.9917 0.9918 0.9919 0.9915 0.9657	97.17 96.49 95.58 94.72 94.07 93.45 92.67 91.91 91.16 90.39

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT :	BAND 1924-2017		EXPER	RIENCE BAN	ID 1971-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	2,266,294	19,035	0.0084	0.9916	87.28
40.5	2,200,584	11,067	0.0050	0.9950	86.55
41.5	2,134,357	20,336	0.0095	0.9905	86.12
42.5	1,965,598	14,234	0.0072	0.9928	85.30
43.5	1,786,523	33,838	0.0189	0.9811	84.68
44.5	1,600,636	25,905	0.0162	0.9838	83.07
45.5	1,441,838	13,527	0.0094	0.9906	81.73
46.5	1,351,640	23,832	0.0176	0.9824	80.96
47.5	1,265,116	13,132	0.0104	0.9896	79.54
48.5	1,210,602	2,368	0.0020	0.9980	78.71
49.5	1,096,564	2,871	0.0026	0.9974	78.56
50.5	957,419	2,500	0.0026	0.9974	78.35
51.5	828,687	4,104	0.0050	0.9950	78.15
52.5	719,043	3,127	0.0043	0.9957	77.76
53.5	645,394	4,288	0.0066	0.9934	77.42
54.5	608,300		0.0000	1.0000	76.91
55.5	574,931	275	0.0005	0.9995	76.91
56.5	549,686	437	0.0008	0.9992	76.87
57.5	534,778	70	0.0001	0.9999	76.81
58.5	500,343	900	0.0018	0.9982	76.80
59.5	481,866	213	0.0004	0.9996	76.66
60.5	445,069	486	0.0011	0.9989	76.63
61.5	405,537		0.0000	1.0000	76.54
62.5	384,241		0.0000	1.0000	76.54
63.5	276,709		0.0000	1.0000	76.54
64.5	226,860		0.0000	1.0000	76.54
65.5	206,051		0.0000	1.0000	76.54
66.5	194,332		0.0000	1.0000	76.54
67.5	182,276		0.0000	1.0000	76.54
68.5	156,381		0.0000	1.0000	76.54
69.5	139,302		0.0000	1.0000	76.54
70.5	115,257		0.0000	1.0000	76.54
71.5	12,862		0.0000	1.0000	76.54
72.5	12,862		0.0000	1.0000	76.54
73.5	12,862		0.0000	1.0000	76.54
74.5	12,862		0.0000	1.0000	76.54
75.5	12,862	12,862	1.0000		76.54
76.5					



ORIGINAL CURVE ■ 1938-2017 EXPERIENCE 1912-2017 PLACEMENTS 100 **IOWA 65-R2** 8 AGE IN YEARS 4 20 100 70 30-20-8 8 09 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

OREGON PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

	ND 1938-2017
AGE AT EXPOSURES AT RETIREMENTS BEGIN OF BEGINNING OF DURING AGE RETMT SURV	PCT SURV BEGIN OF
INTERVAL AGE INTERVAL INTERVAL RATIO RATIO	INTERVAL
0.0 32,629,147 1,111 0.0000 1.0000 0.5 32,316,142 27,897 0.0009 0.9991	100.00
1.5 30,876,809 2,920 0.0001 0.9999	99.91
2.5 28,997,502 34,163 0.0012 0.9988	99.90
3.5 26,828,796 32,529 0.0012 0.9988	99.78
4.5 25,441,239 45,899 0.0018 0.9982	99.66
5.5 23,890,537 40,328 0.0017 0.9983	99.48
6.5 22,013,939 19,732 0.0009 0.9991	99.31
7.5 19,786,765 41,139 0.0021 0.9979	99.23
8.5 17,018,264 42,021 0.0025 0.9975	99.02
9.5 15,638,365 45,478 0.0029 0.9971	98.77
10.5 14,336,681 70,682 0.0049 0.9951	98.49
11.5 12,959,444 11,458 0.0009 0.9991	98.00
12.5 11,586,968 137,642 0.0119 0.9881	97.92
13.5 11,363,708 13,114 0.0012 0.9988	96.75
14.5 11,315,287 50,386 0.0045 0.9955	96.64
15.5 11,200,674 26,317 0.0023 0.9977	96.21
16.5 11,129,468 26,123 0.0023 0.9977	95.98
17.5 10,960,432 26,219 0.0024 0.9976	95.76
18.5 10,855,990 54,133 0.0050 0.9950	95.53
19.5 10,500,788 40,061 0.0038 0.9962	95.05
20.5 10,179,879 28,614 0.0028 0.9972	94.69
21.5 10,026,756 27,674 0.0028 0.9972	94.42
22.5 8,677,831 59,289 0.0068 0.9932	94.16
23.5 6,136,823 32,032 0.0052 0.9948	93.52
24.5 5,131,605 48,625 0.0095 0.9905	93.03
25.5 3,645,465 16,069 0.0044 0.9956	92.15
26.5 3,390,737 29,075 0.0086 0.9914	91.74
27.5 2,769,108 8,600 0.0031 0.9969	90.96
28.5 2,657,849 10,095 0.0038 0.9962	90.68
29.5 2,445,383 6,514 0.0027 0.9973	90.33
30.5 2,334,142 7,952 0.0034 0.9966	90.09
31.5 2,078,006 13,330 0.0064 0.9936	89.78
32.5 1,986,335 12,648 0.0064 0.9936	89.21
33.5 1,956,733 25,840 0.0132 0.9868	88.64
34.5 1,907,121 5,389 0.0028 0.9972	87.47
35.5 1,872,141 13,538 0.0072 0.9928	87.22
36.5 1,755,651 18,236 0.0104 0.9896	86.59
37.5 1,617,257 23,571 0.0146 0.9854	85.69
38.5 1,546,345 3,625 0.0023 0.9977	84.44

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1912-2017		EXPER	RIENCE BAN	D 1938-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5	1,484,172 1,364,335 1,237,513 1,138,305 1,013,262 989,760	8,565 23,026 21,190 2,511 3,771 14,240	0.0058 0.0169 0.0171 0.0022 0.0037 0.0144	0.9942 0.9831 0.9829 0.9978 0.9963	84.24 83.76 82.35 80.93 80.76 80.46
45.5 46.5 47.5 48.5 49.5	926,406 904,643 865,337 795,853	8,988 6,057 5,958 10,153	0.0097 0.0067 0.0069 0.0128 0.0144	0.9903 0.9933 0.9931 0.9872	79.30 78.53 78.00 77.47 76.48
50.5 51.5 52.5 53.5 54.5	685,231 614,702 582,651 506,186 466,894	1,985 913 7,724 20,400 8,991	0.0029 0.0015 0.0133 0.0403 0.0193	0.9971 0.9985 0.9867 0.9597 0.9807	75.38 75.16 75.05 74.05 71.07
55.5 56.5 57.5 58.5	419,595 396,034 368,932 343,657	8,894 13,568 1,084	0.0212 0.0343 0.0000 0.0032	0.9788 0.9657 1.0000 0.9968	69.70 68.22 65.89 65.89
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5	299,319 253,388 227,556 190,227 158,695 136,433 125,622 93,690	1,721 2,886 18,660 406 2,098 1,675	0.0057 0.0000 0.0127 0.0981 0.0026 0.0154 0.0133 0.0000	0.9943 1.0000 0.9873 0.9019 0.9974 0.9846 0.9867 1.0000	65.68 65.30 65.30 64.47 58.15 58.00 57.11 56.35
67.5 68.5 69.5	83,173 71,919 71,667	5,909 252 898	0.0710 0.0035 0.0125	0.9290 0.9965 0.9875	56.35 52.34 52.16
70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	63,924 63,605 63,367 63,344 43,453 41,999 36,910 35,835 35,206	238 19,891 181 4,692	0.0000 0.0037 0.0000 0.3140 0.0042 0.1117 0.0000 0.0000	1.0000 0.9963 1.0000 0.6860 0.9958 0.8883 1.0000 1.0000	51.51 51.51 51.31 51.31 35.20 35.05 31.14 31.14

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1912-2017		EXPE	RIENCE BAN	D 1938-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
114111111111111111111111111111111111111	7101 1111111111111111111111111111111111	114111(4111	101110	101110	11V111CV111
79.5	35,128		0.0000	1.0000	31.14
80.5	35,128		0.0000	1.0000	31.14
81.5	35,052	288	0.0082	0.9918	31.14
82.5	34,765		0.0000	1.0000	30.88
83.5	34,765		0.0000	1.0000	30.88
84.5	34,765	244	0.0070	0.9930	30.88
85.5	32,973		0.0000	1.0000	30.67
86.5	32,973		0.0000	1.0000	30.67
87.5	27,732		0.0000	1.0000	30.67
88.5	26,965		0.0000	1.0000	30.67
89.5	26,906		0.0000	1.0000	30.67
90.5	26,906		0.0000	1.0000	30.67
91.5	26,906		0.0000	1.0000	30.67
92.5	26,906		0.0000	1.0000	30.67
93.5	26,906	26,906	1.0000		30.67
94.5					



1988-2017 EXPERIENCE 1909-2017 PLACEMENTS ORIGINAL CURVE = 1904-2017 PLACEMENTS 9 8 IQWA 53-R1 AGE IN YEARS 9 20 8 8 9 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 362 STATION EQUIPMENT

OREGON PROPERTY

PACIFICORP

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1904-2017		EXPEF	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	320,218,304 306,644,830 296,556,991 281,505,120 268,856,150 257,279,322 245,547,818 233,067,300 217,726,046 204,033,741	568,635 1,722,002 1,965,186 2,017,834 1,909,618 1,819,666 1,661,820 1,723,298 2,884,421 1,593,395	0.0018 0.0056 0.0066 0.0072 0.0071 0.0071 0.0068 0.0074 0.0132 0.0078	0.9982 0.9944 0.9934 0.9928 0.9929 0.9929 0.9932 0.9926 0.9868 0.9922	100.00 99.82 99.26 98.60 97.90 97.20 96.51 95.86 95.15 93.89
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	195,278,882 187,735,628 176,466,543 167,688,434 163,945,003 159,508,944 156,423,983 153,037,507 149,839,144 144,352,451	1,721,593 1,433,166 1,177,334 1,821,718 1,548,001 1,325,400 1,114,222 893,473 1,227,621 1,648,078	0.0088 0.0076 0.0067 0.0109 0.0094 0.0083 0.0071 0.0058 0.0082 0.0114	0.9912 0.9924 0.9933 0.9891 0.9906 0.9917 0.9929 0.9942 0.9918 0.9886	93.16 92.34 91.63 91.02 90.03 89.18 88.44 87.81 87.30 86.58
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	136,775,505 131,002,313 125,340,775 113,718,065 105,098,368 96,271,946 80,498,007 72,356,725 65,804,829 61,696,030	1,062,848 1,861,090 1,114,724 1,109,062 1,929,808 1,203,294 597,638 878,641 806,028 588,064	0.0078 0.0142 0.0089 0.0098 0.0184 0.0125 0.0074 0.0121 0.0122 0.0095	0.9922 0.9858 0.9911 0.9902 0.9816 0.9875 0.9926 0.9879 0.9878	85.59 84.93 83.72 82.98 82.17 80.66 79.65 79.06 78.10 77.14
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	59,348,816 58,493,685 56,702,493 55,772,144 54,864,844 53,178,208 50,033,516 45,344,682 40,176,380 38,384,913	395,410 731,812 633,627 754,124 834,295 753,060 1,134,169 439,997 682,791 294,781	0.0067 0.0125 0.0112 0.0135 0.0152 0.0142 0.0227 0.0097 0.0170 0.0077	0.9933 0.9875 0.9888 0.9865 0.9848 0.9858 0.9773 0.9903 0.9830 0.9923	76.41 75.90 74.95 74.11 73.11 72.00 70.98 69.37 68.70 67.53

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1904-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	36,668,100 33,860,737 30,880,508 27,963,281 25,596,056 23,692,211 22,080,887 21,317,414 19,769,217 18,330,071	441,692 686,452 667,682 330,595 610,975 408,958 263,211 152,787 286,794 143,454	0.0120 0.0203 0.0216 0.0118 0.0239 0.0173 0.0119 0.0072 0.0145 0.0078	0.9880 0.9797 0.9784 0.9882 0.9761 0.9827 0.9881 0.9928 0.9855 0.9922	67.01 66.20 64.86 63.46 62.71 61.21 60.16 59.44 59.01 58.16
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	16,751,864 15,069,680 13,752,739 12,475,611 10,989,397 10,079,666 9,134,764 7,667,339 6,902,409 5,846,180	418,794 334,642 303,894 276,686 327,389 248,628 185,016 221,618 334,800 148,252	0.0250 0.0222 0.0221 0.0222 0.0298 0.0247 0.0203 0.0289 0.0485 0.0254	0.9750 0.9778 0.9779 0.9778 0.9702 0.9753 0.9797 0.9711 0.9515 0.9746	57.70 56.26 55.01 53.79 52.60 51.03 49.78 48.77 47.36 45.06
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	5,005,792 4,298,095 3,553,250 2,852,666 2,535,030 2,198,205 1,789,238 1,476,240 1,097,129 751,213	131,864 339,564 147,611 101,435 91,224 109,081 110,870 45,681 37,785 7,864	0.0263 0.0790 0.0415 0.0356 0.0360 0.0496 0.0620 0.0309 0.0344 0.0105	0.9737 0.9210 0.9585 0.9644 0.9640 0.9504 0.9380 0.9691 0.9656 0.9895	43.92 42.76 39.38 37.75 36.40 35.09 33.35 31.29 30.32 29.27
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	615,708 538,736 498,196 452,224 361,398 351,632 297,528 235,991 205,636 198,719	25,243 4,579 17,220 77,600 5,815 18,559 57,634 5,804 1,690 22,780	0.0410 0.0085 0.0346 0.1716 0.0161 0.0528 0.1937 0.0246 0.0082 0.1146	0.9590 0.9915 0.9654 0.8284 0.9839 0.9472 0.8063 0.9754 0.9918 0.8854	28.97 27.78 27.54 26.59 22.03 21.67 20.53 16.55 16.15

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT 1	BAND 1904-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT		PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
79.5	170,063	62	0.0004	0.9996	14.18
80.5	169,919	902	0.0053		14.17
81.5	168,111	327	0.0019	0.9981	14.10
82.5	167,784	8,402	0.0501	0.9499	14.07
83.5	150,628	6,616	0.0439	0.9561	13.37
84.5	144,012	12,729	0.0884	0.9116	12.78
85.5	131,283	665	0.0051	0.9949	11.65
86.5	130,618	119	0.0009	0.9991	11.59
87.5	116,917	2,239	0.0192	0.9808	11.58
88.5	103,521	47,298	0.4569	0.5431	11.36
89.5	46,545	332	0.0071	0.9929	6.17
90.5	45,862		0.0000	1.0000	6.12
91.5	21,907	9,462	0.4319	0.5681	6.12
92.5	12,445	6,460	0.5191	0.4809	3.48
93.5	5,984	2,529	0.4227	0.5773	1.67
94.5	3,455	96	0.0278	0.9722	0.97
95.5	3,359		0.0000	1.0000	0.94
96.5	3,359		0.0000	1.0000	0.94
97.5	3,359		0.0000	1.0000	0.94
98.5	3,359		0.0000	1.0000	0.94
99.5	3,359	1,176	0.3501	0.6499	0.94
100.5	2,183	91	0.0418	0.9582	0.61
101.5	2,092	696	0.3326	0.6674	0.58
102.5	1,396		0.0000	1.0000	0.39
103.5	1,396		0.0000	1.0000	0.39
104.5					0.39



ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1909-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5	234,877,040 222,251,716 215,476,267 202,152,276 190,767,296 181,410,310	232,791 392,476 600,067 879,813 611,326 735,855	0.0010 0.0018 0.0028 0.0044 0.0032 0.0041	0.9990 0.9982 0.9972 0.9956 0.9968 0.9959	100.00 99.90 99.72 99.45 99.01 98.70
5.5 6.5 7.5 8.5	173,680,141 166,517,536 157,737,093 146,785,591	454,960 778,021 1,708,816 749,830 806,294	0.0026 0.0047 0.0108 0.0051 0.0057	0.9974 0.9953 0.9892 0.9949	98.30 98.04 97.58 96.52 96.03
10.5 11.5 12.5 13.5 14.5 15.5	136,799,035 128,855,408 123,651,732 123,070,738 120,752,441 119,809,006	764,697 602,398 1,207,220 985,247 807,221 567,494	0.0057 0.0056 0.0047 0.0098 0.0080 0.0067 0.0047	0.9944 0.9953 0.9902 0.9920 0.9933 0.9953	95.48 94.95 94.50 93.58 92.83 92.21
16.5 17.5 18.5	117,834,129 116,641,379 113,242,032 108,230,440	504,068 694,563 1,162,872 514,396	0.0047 0.0043 0.0060 0.0103	0.9957 0.9940 0.9897 0.9952	91.77 91.38 90.84 89.90
20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	104,767,216 101,151,221 91,623,924 85,148,733 77,509,326 63,017,474 57,015,979 51,840,620 49,208,990	1,355,647 536,212 576,781 1,709,913 930,576 407,319 659,894 572,020 360,199	0.0129 0.0053 0.0063 0.0201 0.0120 0.0065 0.0116 0.0110 0.0073	0.9871 0.9947 0.9937 0.9799 0.9880 0.9935 0.9884 0.9890 0.9927	89.48 88.32 87.85 87.30 85.55 84.52 83.97 83.00 82.08
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	48,077,648 48,441,721 47,483,916 47,809,557 47,653,470 46,667,005 44,788,807 40,662,431 36,567,041 35,588,213	255,930 538,364 502,469 565,436 636,806 459,491 1,041,669 317,374 582,934 257,756	0.0053 0.0111 0.0106 0.0118 0.0134 0.0098 0.0233 0.0078 0.0159 0.0072	0.9947 0.9889 0.9894 0.9882 0.9866 0.9902 0.9767 0.9922 0.9841 0.9928	81.48 81.05 80.15 79.30 78.36 77.32 76.55 74.77 74.19 73.01



ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1909-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	34,525,255 31,943,717 29,150,050 26,383,081 24,073,762 22,224,736 20,739,408 20,061,775 18,600,553 17,216,354	397,625 578,754 625,265 311,899 585,582 347,300 217,989 115,555 261,184 122,513	0.0115 0.0181 0.0214 0.0118 0.0243 0.0156 0.0105 0.0058 0.0140 0.0071	0.9885 0.9819 0.9786 0.9882 0.9757 0.9844 0.9895 0.9942 0.9860 0.9929	72.48 71.64 70.35 68.84 68.02 66.37 65.33 64.64 64.27 63.37
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	15,672,360 14,046,439 12,828,165 11,618,496 10,181,260 9,318,032 8,395,737 7,036,948 6,598,994 5,582,669	369,923 238,015 236,435 236,462 284,522 231,223 148,239 197,528 332,266 135,124	0.0236 0.0169 0.0184 0.0204 0.0279 0.0248 0.0177 0.0281 0.0504 0.0242	0.9764 0.9831 0.9816 0.9796 0.9721 0.9752 0.9823 0.9719 0.9496 0.9758	62.92 61.43 60.39 59.28 58.07 56.45 55.05 54.08 52.56 49.91
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	4,767,411 4,071,552 3,378,925 2,697,743 2,413,763 2,097,800 1,718,886 1,462,357 1,086,723 740,807	120,801 337,349 147,360 97,000 91,124 109,040 106,111 45,681 37,785 7,864	0.0253 0.0829 0.0436 0.0360 0.0378 0.0520 0.0617 0.0312 0.0348 0.0106	0.9747 0.9171 0.9564 0.9640 0.9622 0.9480 0.9383 0.9688 0.9652 0.9894	48.71 47.47 43.54 41.64 40.14 38.63 36.62 34.36 33.28 32.13
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	605,441 530,110 489,570 443,598 352,771 351,250 297,200 235,664 205,309 198,719	25,243 4,579 17,220 77,600 5,815 18,559 57,634 5,804 1,690 22,780	0.0417 0.0086 0.0352 0.1749 0.0165 0.0528 0.1939 0.0246 0.0082 0.1146	0.9583 0.9914 0.9648 0.8251 0.9835 0.9472 0.8061 0.9754 0.9918 0.8854	31.79 30.46 30.20 29.14 24.04 23.64 22.39 18.05 17.61 17.46



ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1909-2017		EXPE	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5 88.5 90.5 91.5 92.5 93.5 94.5	170,063 169,919 168,111 167,784 150,628 144,012 131,283 130,618 116,917 103,521 46,545 45,862 21,907 12,445 5,984 3,455 3,359	62 902 327 8,402 6,616 12,729 665 119 2,239 47,298 332 9,462 6,460 2,529 96	0.0004 0.0053 0.0019 0.0501 0.0439 0.0884 0.0051 0.0009 0.0192 0.4569 0.0071 0.0000 0.4319 0.5191 0.4227 0.0278 0.0000	0.9981 0.9499 0.9561 0.9116 0.9949 0.9991 0.9808 0.5431 0.9929 1.0000 0.5681 0.4809 0.5773 0.9722	15.46 15.45 15.37 15.34 14.57 13.93 12.70 12.64 12.63 12.38 6.73 6.68 6.68 3.79 1.82 1.05 1.02
96.5 97.5 98.5	3,359 3,359 3,359		0.0000		1.02 1.02 1.02
99.5 100.5 101.5 102.5 103.5 104.5	3,359 2,183 2,092 1,396 1,396	1,176 91 696	0.3501 0.0418 0.3326 0.0000 0.0000	0.6499 0.9582 0.6674 1.0000	1.02 0.67 0.64 0.43 0.43



ORIGINAL CURVE = 1939-2017 EXPERIENCE 100 I**þ**WA 55-R1 8 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS 4 20 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 364 POLES, TOWERS AND FIXTURES

OREGON PROPERTY

PACIFICORP

ACCOUNT 364 POLES, TOWERS AND FIXTURES

PLACEMENT	BAND 1939-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	417,968,721 408,546,477 398,292,784 388,472,301 378,127,502 367,010,368 357,362,421 345,652,681 336,971,712 325,798,970	928,308 3,810,386 2,932,323 2,522,543 2,458,530 2,388,634 2,165,130 1,917,444 1,888,737 1,942,873	0.0022 0.0093 0.0074 0.0065 0.0065 0.0065 0.0061 0.0055 0.0056	0.9978 0.9907 0.9926 0.9935 0.9935 0.9939 0.9945 0.9944 0.9940	100.00 99.78 98.85 98.12 97.48 96.85 96.22 95.64 95.10 94.57
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	315,879,353 305,358,226 297,707,676 288,607,690 279,358,848 270,282,554 260,734,901 252,824,968 241,334,663 231,567,010	1,992,879 1,976,516 2,412,738 2,456,737 2,532,288 1,897,414 1,534,574 1,474,702 2,803,127 1,610,815	0.0063 0.0065 0.0081 0.0085 0.0091 0.0070 0.0059 0.0058 0.0116 0.0070	0.9937 0.9935 0.9919 0.9915 0.9909 0.9930 0.9941 0.9942 0.9884 0.9930	94.01 93.41 92.81 92.06 91.27 90.45 89.81 89.28 88.76 87.73
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	220,147,276 208,250,876 187,636,108 169,722,904 151,267,123 133,437,998 115,778,906 103,846,533 98,716,461 92,870,972	1,678,473 1,955,579 2,091,219 1,501,015 1,730,137 1,611,856 1,410,348 1,706,270 1,597,815 1,310,524	0.0076 0.0094 0.0111 0.0088 0.0114 0.0121 0.0122 0.0164 0.0162 0.0141	0.9924 0.9906 0.9889 0.9912 0.9886 0.9879 0.9878 0.9836 0.9838	87.12 86.46 85.65 84.69 83.94 82.98 81.98 80.98 79.65 78.36
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	87,557,397 83,011,637 78,508,162 73,974,514 69,983,440 66,321,677 61,594,241 57,141,439 52,323,220 47,492,427	881,367 867,489 796,710 733,877 611,521 639,642 508,002 392,311 710,621 303,288	0.0101 0.0105 0.0101 0.0099 0.0087 0.0096 0.0082 0.0069 0.0136 0.0064	0.9899 0.9895 0.9899 0.9901 0.9913 0.9904 0.9918 0.9931 0.9864 0.9936	77.26 76.48 75.68 74.91 74.17 73.52 72.81 72.21 71.71 70.74

ACCOUNT 364 POLES, TOWERS AND FIXTURES

PLACEMENT BAND 1939-2017			EXPERIENCE BAND 1967-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	43,924,747 40,640,764 37,641,604 35,092,341 32,279,044 29,285,986 25,903,585 23,550,584 21,555,926 19,763,966	286,459 378,991 291,879 411,568 494,697 523,367 573,193 458,375 223,106 320,280	0.0065 0.0093 0.0078 0.0117 0.0153 0.0179 0.0221 0.0195 0.0104 0.0162	0.9935 0.9907 0.9922 0.9883 0.9847 0.9821 0.9779 0.9805 0.9896 0.9838	70.29 69.83 69.18 68.64 67.84 66.80 65.60 64.15 62.90 62.25
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	17,807,375 16,017,822 13,784,964 11,924,293 10,301,459 8,973,794 7,699,509 6,697,758 5,687,536 4,773,986	226,172 323,043 223,872 93,049 121,511 91,772 80,946 61,442 69,996 60,122	0.0102 0.0127 0.0202 0.0162 0.0078 0.0118 0.0102 0.0105 0.0092 0.0123 0.0126	0.9873 0.9798 0.9838 0.9922 0.9882 0.9898 0.9895 0.9908 0.9877	61.24 60.47 59.25 58.28 57.83 57.15 56.56 55.97 55.45
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	4,054,836 3,364,409 2,764,501 2,313,134 290,897 204,147 147,518 121,231 102,194 88,375 74,565 61,598	40,276 38,615 41,761 44,655 12,982 13,450 2,199 1,968 1,760 1,893 2,659 1,346	0.0099 0.0115 0.0151 0.0193 0.0446 0.0659 0.0149 0.0162 0.0172 0.0214 0.0357 0.0219	0.9901 0.9885 0.9849 0.9807 0.9554 0.9341 0.9851 0.9838 0.9786	54.08 53.54 52.93 52.13 51.12 48.84 45.62 44.94 44.22 43.45 42.52 41.01



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1944-2017 PLACEMENTS 100 OWA 60-R1 8 AGE IN YEARS 4 20 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

OREGON PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1944-2017 EXPERIENCE BAND 1967-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF DURING AGE RETMT SURV BEGIN OF INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 283,492,762 344,513 0.0012 0.9988 100.00 0.5 280,059,734 2,471,311 0.0088 0.9912 99.88 1.5 273,650,050 2,457,597 0.0090 0.9910 99.00 268,005,574 2.5 2,265,142 0.0085 0.9915 98.11 2,137,762 97.28 3.5 261,898,091 0.0082 0.9918 4.5 256,479,254 2,124,075 0.0083 0.9917 96.48 5.5 251,073,875 0.0084 95.69 2,114,965 0.9916 6.5 243,511,944 1,843,669 0.0076 0.9924 94.88 7.5 94.16 238,014,429 1,657,923 0.0070 0.9930 8.5 231,956,443 1,667,321 0.0072 0.9928 93.51 9.5 227,156,445 0.0063 0.9937 92.83 1,428,946 10.5 221,274,084 1,522,748 92.25 0.0069 0.9931 91.61 11.5 217,976,081 1,394,681 0.0064 0.9936 12.5 215,189,232 1,217,202 0.0057 0.9943 91.03 13.5 211,212,875 1,665,096 0.0079 0.9921 90.51 14.5 206,660,957 1,454,080 0.0070 0.9930 89.80 15.5 201,858,341 1,333,990 0.0066 0.9934 89.17 16.5 198,315,172 928,559 0.0047 0.9953 88.58 17.5 191,690,925 863,167 0.0045 0.9955 88.16 18.5 188,164,253 837,200 0.0044 0.9956 87.77 19.5 182,299,726 782,856 0.0043 0.9957 87.38 20.5 175,177,527 830,282 0.0047 0.9953 87.00 21.5 0.0058 166,076,316 959,044 0.9942 86.59 159,000,354 86.09 22.5 849,527 0.0053 0.9947 23.5 146,736,277 919,421 0.0063 0.9937 85.63 24.5 129,510,004 952,797 0.0074 0.9926 85.09 25.5 118,033,773 1,241,748 0.0105 0.9895 84.47 106,925,213 938,902 26.5 0.0088 0.9912 83.58 27.5 900,466 101,818,237 0.0088 0.9912 82.84 28.5 96,497,671 724,908 0.0075 0.9925 82.11 29.5 91,873,468 867,368 0.9906 0.0094 81.49 30.5 86,971,724 770,383 0.0089 0.9911 80.73 31.5 81,411,199 509,117 0.0063 0.9937 80.01 32.5 76,313,837 607,448 0.0080 0.9920 79.51 33.5 71,507,712 757,819 78.88 0.0106 0.9894 78.04 34.5 67,616,126 378,242 0.0056 0.9944 35.5 62,084,380 242,905 0.0039 0.9961 77.60 36.5 56,582,303 203,560 0.0036 0.9964 77.30 37.5 50,826,728 245,827 0.0048 0.9952 77.02 38.5 45,926,054 179,452 0.0039 0.9961 76.65



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT 1	BAND 1944-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	42,058,853	206,571	0.0049	0.9951	76.35
40.5	38,213,739	196,805	0.0052	0.9948	75.98
41.5	35,254,936	130,957	0.0037	0.9963	75.58
42.5	32,479,307	69,398	0.0021	0.9979	75.30
43.5	29,806,632	184,482	0.0062	0.9938	75.14
44.5	27,020,430	124,623	0.0046	0.9954	74.68
45.5	24,167,301	277,714	0.0115	0.9885	74.33
46.5	22,371,721	214,046	0.0096	0.9904	73.48
47.5	20,726,485	267,150	0.0129	0.9871	72.78
48.5	18,931,083	186,273	0.0098	0.9902	71.84
49.5	17,189,728	113,679	0.0066	0.9934	71.13
50.5	15,451,522	183,890	0.0119	0.9881	70.66
51.5	13,611,712	111,311	0.0082	0.9918	69.82
52.5	12,007,769	52,703	0.0044	0.9956	69.25
53.5	10,758,014	74,923	0.0070	0.9930	68.94
54.5	9,780,026	39,500	0.0040	0.9960	68.46
55.5	8,917,445	47,186	0.0053	0.9947	68.19
56.5	8,279,357	32,227	0.0039	0.9961	67.83
57.5	7,647,247	43,176	0.0056	0.9944	67.56
58.5	7,041,439	28,704	0.0041	0.9959	67.18
59.5	6,530,971	40,588	0.0062	0.9938	66.91
60.5	5,931,874	32,653	0.0055	0.9945	66.49
61.5	5,244,272	18,627	0.0036	0.9964	66.13
62.5	4,841,718	20,367	0.0042	0.9958	65.89
63.5	1,861,998	5,029	0.0027	0.9973	65.61
64.5	1,521,988	4,636	0.0030	0.9970	65.44
65.5	1,333,909	5,119	0.0038	0.9962	65.24
66.5	1,143,675	4,295	0.0038	0.9962	64.99
67.5	974,233	2,199	0.0023	0.9977	64.74
68.5	817,442	2,406	0.0029	0.9971	64.60
69.5	631,062	1,541	0.0024	0.9976	64.41
70.5	527,341	2,383	0.0045	0.9955	64.25



71.5

63.96

ORIGINAL CURVE ■ 1945-2017 EXPERIENCE 1914-2017 PLACEMENTS 100 OWA 70-R3 8 AGE IN YEARS 4 20 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 366 UNDERGROUND CONDUIT ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP OREGON PROPERTY

ACCOUNT 366 UNDERGROUND CONDUIT

PLACEMENT	BAND 1914-2017		EXPER	RIENCE BAN	D 1945-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	99,089,349 97,041,668 95,061,263 93,292,662 91,696,433 88,878,291 87,405,657 84,660,404 82,873,932 81,295,693	44,459 335,784 279,477 260,222 227,913 251,559 165,582 142,526 153,004 120,931	0.0004 0.0035 0.0029 0.0028 0.0025 0.0028 0.0019 0.0017 0.0018 0.0015	0.9996 0.9965 0.9971 0.9972 0.9975 0.9972 0.9981 0.9983 0.9982 0.9985	100.00 99.96 99.61 99.32 99.04 98.79 98.51 98.33 98.16 97.98
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	79,535,459 76,715,000 74,634,761 70,263,959 68,194,838 66,602,527 64,644,347 62,311,665 58,420,654 56,682,800	125,515 122,935 204,574 120,749 84,185 107,867 107,482 77,739 95,947 50,604	0.0016 0.0016 0.0027 0.0017 0.0012 0.0016 0.0017 0.0012 0.0016 0.0009	0.9984 0.9983 0.9983 0.9988 0.9984 0.9988 0.9988 0.9984 0.9991	97.83 97.68 97.52 97.26 97.09 96.97 96.81 96.65 96.53
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	53,550,925 49,871,714 45,781,096 42,077,559 33,974,373 27,164,222 23,763,079 19,365,558 17,704,257 15,436,303	65,508 51,574 49,298 28,523 39,729 40,516 23,716 27,080 28,676 26,835	0.0012 0.0010 0.0011 0.0007 0.0012 0.0015 0.0010 0.0014 0.0016 0.0017	0.9988 0.9990 0.9989 0.9993 0.9988 0.9985 0.9990 0.9986 0.9984	96.29 96.17 96.07 95.97 95.90 95.79 95.65 95.55 95.42
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	14,093,229 12,700,064 11,020,240 9,706,730 8,588,455 8,276,152 7,524,877 6,671,932 5,946,401 5,160,437	28,794 32,123 16,942 17,112 14,200 23,499 25,524 30,909 37,349 24,669	0.0020 0.0025 0.0015 0.0018 0.0017 0.0028 0.0034 0.0046 0.0063 0.0048	0.9980 0.9975 0.9985 0.9982 0.9983 0.9972 0.9966 0.9954 0.9937 0.9952	95.10 94.90 94.66 94.52 94.35 94.19 93.93 93.61 93.17

ACCOUNT 366 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT	BAND 1914-2017		EXPER	RIENCE BAN	D 1945-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	4,601,440 4,209,827 3,969,962 3,741,469 3,488,740 3,204,266 2,943,645 2,775,963 2,539,319 2,405,732	16,218 17,710 21,928 13,580 14,446 8,401 20,674 29,509 7,356 12,288	0.0035 0.0042 0.0055 0.0036 0.0041 0.0026 0.0070 0.0106 0.0029 0.0051	0.9965 0.9958 0.9945 0.9964 0.9959 0.9974 0.9930 0.9894 0.9971 0.9949	92.15 91.82 91.44 90.93 90.60 90.22 89.99 89.36 88.41 88.15
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	1,649,658 1,480,648 1,202,382 1,141,735 1,104,280 1,066,384 1,029,309 1,019,066 986,689 969,958	10,861 6,341 3,635 2,844 3,324 3,578 34 2,287 5,440 333	0.0066 0.0043 0.0030 0.0025 0.0030 0.0034 0.0000 0.0022 0.0055 0.0003	0.9934 0.9957 0.9970 0.9975 0.9970 0.9966 1.0000 0.9978 0.9945 0.9997	87.70 87.12 86.75 86.49 86.27 86.01 85.72 85.72 85.53
59.5 60.5 61.5 62.5	908,097 887,653 873,733 870,070	465 265 2,358 5,883	0.0005 0.0003 0.0027 0.0068	0.9995 0.9997 0.9973 0.9932	85.03 84.98 84.96 84.73



63.5

84.16

1988-2017 EXPERIENCE 1946-2017 PLACEMENTS 1998-2017 EXPERIENCE 1946-2017 PLACEMENTS ORIGINAL CURVE ■ 1914-2017 EXPERIENCE 1914-2017 PLACEMENTS 100 IOWA 60-R2.5 8 AGE IN YEARS 49 20 8 8 8 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES ORIGINAL AND SMOOTH SURVIVOR CURVES

OREGON PROPERTY

PACIFICORP

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1914-2017		EXPER	RIENCE BAN	D 1948-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	194,007,247	111,350	0.0006	0.9994	100.00
0.5	188,804,670	902,087	0.0048	0.9952	99.94
1.5	183,277,149	411,508	0.0022	0.9978	99.47
2.5	177,163,104	685,273	0.0039	0.9961	99.24
3.5	173,494,582	364,690	0.0021	0.9979	98.86
4.5	169,110,155	499,337	0.0030	0.9970	98.65
5.5	164,866,192	400,694	0.0024	0.9976	98.36
6.5	159,350,281	290,682	0.0018	0.9982	98.12
7.5	155,756,070	724,747	0.0047	0.9953	97.94
8.5	149,840,851	376,654	0.0025	0.9975	97.49
9.5	144,625,817	271,088	0.0019	0.9981	97.24
10.5	137,056,005	300,844	0.0022	0.9978	97.06
11.5	132,229,960	239,470	0.0018	0.9982	96.84
12.5	124,721,886	314,868	0.0025	0.9975	96.67
13.5	119,499,133	172,157	0.0014	0.9986	96.43
14.5	113,853,493	190,526	0.0017	0.9983	96.29
15.5	109,363,486	235,296	0.0022	0.9978	96.13
16.5	104,666,800	147,077	0.0014	0.9986	95.92
17.5	97,838,281	308,295	0.0032	0.9968	95.78
18.5	92,377,320	131,429	0.0014	0.9986	95.48
19.5	84,784,246	189,947	0.0022	0.9978	95.35
20.5	76,712,190	172,441	0.0022	0.9978	95.13
21.5	68,155,139	173,831	0.0026	0.9974	94.92
22.5	61,372,600	98,292	0.0016	0.9984	94.68
23.5	56,578,260	141,391	0.0025	0.9975	94.52
24.5	48,959,437	134,345	0.0027	0.9973	94.29
25.5	44,566,233	142,280	0.0032	0.9968	94.03
26.5	38,443,686	111,092	0.0029	0.9971 0.9965	93.73 93.46
27.5 28.5	36,315,568 34,124,206	127,805 143,184	0.0035 0.0042	0.9958	93.40
		•			
29.5	31,864,824	97,815	0.0031	0.9969	92.74
30.5	29,558,039	46,229	0.0016	0.9984	92.45
31.5	27,123,611	68,160	0.0025	0.9975	92.31
32.5	24,309,699	108,338	0.0045	0.9955	92.08
33.5	22,587,095	118,987	0.0053	0.9947	91.67
34.5 35.5	21,828,783 20,228,581	115,315 140,898	0.0053	0.9947 0.9930	91.18 90.70
35.5 36.5	18,131,500	126,851	0.0070 0.0070	0.9930	90.70 90.07
37.5	15,837,613	126,851	0.0070	0.9930	89.44
38.5	13,544,190	219,029	0.0060	0.9838	88.73
50.5	13,344,190	210,020	0.0102	0.7030	00.75



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1914-2017		EXPER	RIENCE BAN	D 1948-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	11,708,959 10,242,985 9,195,121 8,471,206 7,561,806 6,596,988 5,905,586 5,404,244 5,003,530 4,581,978	151,882 102,806 74,980 44,071 35,238 56,180 54,838 55,618 45,698 32,777	0.0130 0.0100 0.0082 0.0052 0.0047 0.0085 0.0093 0.0103 0.0091 0.0072	0.9870 0.9900 0.9918 0.9948 0.9953 0.9915 0.9907 0.9897 0.9909	87.29 86.16 85.30 84.60 84.16 83.77 83.05 82.28 81.44 80.69
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	3,424,903 2,675,711 1,950,435 1,689,479 1,381,109 1,172,955 967,243 821,780 647,009 400,252	28,750 24,798 24,102 36,662 32,721 52,638 17,419 50,790 123,458 51,827	0.0084 0.0093 0.0124 0.0217 0.0237 0.0449 0.0180 0.0618 0.1908 0.1295	0.9916 0.9907 0.9876 0.9783 0.9763 0.9551 0.9820 0.9382 0.8092 0.8705	80.12 79.44 78.71 77.73 76.05 74.25 70.91 69.64 65.33 52.87
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	236,253 103,396 68,676 20,565 381 381 381 381 381	4,091 5,306 30,218 4,249	0.0173 0.0513 0.4400 0.2066 0.0000 0.0000 0.0000 0.0000 0.0000	0.9827 0.9487 0.5600 0.7934 1.0000 1.0000 1.0000 1.0000	46.02 45.22 42.90 24.03 19.06 19.06 19.06 19.06 19.06
69.5 70.5 71.5	381 381		0.0000	1.0000	19.06 19.06 19.06



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1946-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	157,483,857 154,666,050 152,005,198 148,858,103 147,255,557 143,699,936 141,196,767 137,851,392 136,712,296 133,244,250	74,270 695,872 290,644 423,782 197,655 342,958 286,057 147,382 594,473 182,549	0.0005 0.0045 0.0019 0.0028 0.0013 0.0024 0.0020 0.0011 0.0043 0.0014	0.9995 0.9955 0.9981 0.9972 0.9987 0.9976 0.9980 0.9989 0.9957 0.9986	100.00 99.95 99.50 99.31 99.03 98.90 98.66 98.46 98.36 97.93
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	129,989,103 124,070,420 120,393,972 113,895,764 109,727,137 105,266,005 101,662,993 97,576,808 91,216,207 86,421,897	151,277 222,771 151,659 244,771 136,425 123,152 141,768 104,424 112,384 100,795	0.0012 0.0018 0.0013 0.0021 0.0012 0.0012 0.0014 0.0011 0.0012 0.0012	0.9988 0.9982 0.9987 0.9979 0.9988 0.9988 0.9989 0.9988	97.79 97.68 97.50 97.38 97.17 97.05 96.94 96.80 96.70 96.58
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	80,066,216 72,873,301 65,273,588 58,838,166 54,478,740 47,099,808 42,934,880 36,957,831 34,982,966 32,968,729	177,506 107,360 142,464 70,681 126,045 119,252 125,554 91,285 119,142 84,826	0.0022 0.0015 0.0022 0.0012 0.0023 0.0025 0.0029 0.0025 0.0034 0.0026	0.9978 0.9985 0.9978 0.9988 0.9977 0.9975 0.9971 0.9966 0.9974	96.47 96.25 96.11 95.90 95.79 95.57 95.32 95.04 94.81 94.49
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	30,973,194 28,925,647 26,529,050 23,784,133 22,363,584 21,619,789 20,027,386 17,939,635 15,658,441 13,366,897	63,741 37,938 60,071 95,241 107,264 108,473 131,568 114,183 124,430 199,883	0.0021 0.0013 0.0023 0.0040 0.0048 0.0050 0.0066 0.0064 0.0079 0.0150	0.9979 0.9987 0.9977 0.9960 0.9952 0.9950 0.9934 0.9936 0.9921	94.24 94.05 93.93 93.71 93.34 92.89 92.43 91.82 91.23 90.51

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1946-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	11,550,813 10,097,791 9,070,406 8,361,652 7,469,540 6,512,544 5,838,119 5,343,798 4,961,793 4,545,161	138,929 83,903 59,819 26,783 27,416 39,203 47,816 36,909 40,779 22,124	0.0120 0.0083 0.0066 0.0032 0.0037 0.0060 0.0082 0.0069 0.0082 0.0049	0.9880 0.9917 0.9934 0.9968 0.9963 0.9940 0.9918 0.9931 0.9918	89.16 88.08 87.35 86.77 86.50 86.18 85.66 84.96 84.37 83.68
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	3,398,738 2,658,300 1,935,098 1,674,959 1,380,133 1,172,216 967,232 821,780 647,009 400,252	19,996 22,724 23,285 23,117 32,484 51,910 17,408 50,790 123,458 51,827	0.0059 0.0085 0.0120 0.0138 0.0235 0.0443 0.0180 0.0618 0.1908 0.1295	0.9941 0.9915 0.9880 0.9862 0.9765 0.9557 0.9820 0.9382 0.8092 0.8705	83.27 82.78 82.07 81.09 79.97 78.09 74.63 73.28 68.75 55.64
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	236,253 103,396 68,676 20,565 381 381 381 381 381	4,091 5,306 30,218 4,249	0.0173 0.0513 0.4400 0.2066 0.0000 0.0000 0.0000 0.0000 0.0000	0.9827 0.9487 0.5600 0.7934 1.0000 1.0000 1.0000 1.0000	48.43 47.59 45.15 25.28 20.06 20.06 20.06 20.06 20.06 20.06
69.5 70.5 71.5	381 381		0.0000	1.0000	20.06 20.06 20.06



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1946-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	104,330,399	30,896	0.0003	0.9997	100.00
0.5	107,217,107	537,078	0.0050	0.9950	99.97
1.5	110,624,010	206,596	0.0019	0.9981	99.47
2.5	111,552,940	291,131	0.0026	0.9974	99.28
3.5	113,119,062	148,896	0.0013	0.9987	99.02
4.5	116,454,947	272,889	0.0023	0.9977	98.89
5.5	116,753,281	239,094	0.0020	0.9980	98.66
6.5	117,440,734	104,073	0.0009	0.9991	98.46
7.5	116,067,830	538,228	0.0046	0.9954	98.37
8.5	112,554,719	107,561	0.0010	0.9990	97.92
9.5	109,838,156	60,390	0.0005	0.9995	97.82
10.5	104,773,446	123,439	0.0012	0.9988	97.77
11.5	102,678,581	47,629	0.0005	0.9995	97.65
12.5	98,172,313	54,638	0.0006	0.9994	97.61
13.5	94,936,169	72,499	0.0008	0.9992	97.56
14.5	90,045,888	84,574	0.0009	0.9991	97.48
15.5	87,205,065	47,240	0.0005	0.9995	97.39
16.5	84,658,899	40,998	0.0005	0.9995	97.34
17.5	80,140,911	54,898	0.0007	0.9993	97.29
18.5	77,158,320	59,388	0.0008	0.9992	97.22
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5	71,329,497 64,739,544 57,300,452 51,313,696 47,516,961 41,036,949 37,394,076 31,840,581	125,818 46,759 94,006 24,378 69,624 98,779 67,853 53,754	0.0018 0.0007 0.0016 0.0005 0.0015 0.0024 0.0018	0.9982 0.9993 0.9984 0.9995 0.9985 0.9976 0.9982 0.9983	97.15 96.98 96.91 96.75 96.70 96.56 96.33 96.15
27.5	30,194,789	80,715	0.0027	0.9973	95.99
28.5	28,491,627	58,572	0.0021	0.9979	95.73
29.5	27,491,696	43,019	0.0016	0.9984	95.54
30.5	26,061,928	34,509	0.0013	0.9987	95.39
31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	24,490,939 21,959,411 20,593,632 20,089,018 18,704,422 16,791,122 14,653,425 12,548,767	59,313 64,341 93,515 104,834 93,489 107,395 116,044 186,759	0.0024 0.0029 0.0045 0.0052 0.0050 0.0064 0.0079 0.0149	0.9976 0.9971 0.9955 0.9948 0.9950 0.9936 0.9921 0.9851	95.39 95.26 95.03 94.75 94.32 93.83 93.36 92.76 92.03

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT	BAND 1946-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	10,906,571 9,675,152 8,679,981 8,059,641 7,464,214 6,510,013 5,836,544 5,342,223 4,960,218	125,181 83,903 57,973 26,727 27,416 39,203 47,816 36,909 40,779	0.0002	0.9885 0.9913 0.9933 0.9967 0.9963 0.9940 0.9918 0.9931	90.66 89.62 88.84 88.25 87.96 87.63 87.10 86.39
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	4,543,586 3,397,163 2,656,725 1,935,098 1,674,959 1,380,133 1,172,216 967,232 821,780 647,009 400,252	307.20	0.0049 0.0059 0.0086 0.0120 0.0138 0.0235 0.0443 0.0180 0.0618 0.1908 0.1295	0.9951 0.9941 0.9914 0.9880 0.9862 0.9765 0.9557 0.9820 0.9382 0.8092 0.8705	85.09 84.67 84.18 83.46 82.45 81.31 79.40 75.88 74.52 69.91 56.57
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	236,253 103,396 68,676 20,565 381 381 381 381 381 381	4,091 5,306 30,218 4,249	0.0173 0.0513 0.4400 0.2066 0.0000 0.0000 0.0000 0.0000 0.0000	0.9827 0.9487 0.5600 0.7934 1.0000 1.0000 1.0000 1.0000 1.0000	49.25 48.39 45.91 25.71 20.40 20.40 20.40 20.40 20.40 20.40 20.40
70.5	381		0.0000	1.0000	20.40



71.5

20.40

ORIGINAL CURVE = 1901-2017 EXPERIENCE 100 8 IOWA 46-R1.5 AGE IN YEARS 4 20 70 8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 368 LINE TRANSFORMERS ORIGINAL AND SMOOTH SURVIVOR CURVES

OREGON PROPERTY

PACIFICORP

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1901-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	516,516,990 504,696,889 487,091,465 472,014,795 460,666,907 450,657,928 440,379,483 429,841,853 420,780,410 407,448,023	886,993 4,427,049 3,532,935 2,991,505 2,726,965 2,715,002 2,682,382 2,729,837 2,586,881 2,575,979	0.0017 0.0088 0.0073 0.0063 0.0059 0.0060 0.0061 0.0064 0.0061	0.9983 0.9912 0.9927 0.9937 0.9941 0.9940 0.9939 0.9936 0.9939	100.00 99.83 98.95 98.23 97.61 97.03 96.45 95.86 95.25 94.67
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	392,413,506 374,493,685 365,695,515 352,887,944 343,051,152 333,099,844 324,033,314 314,062,069 300,302,572 290,755,576	3,767,809 2,660,939 2,302,406 2,353,725 2,205,503 2,072,786 2,758,212 1,870,283 1,956,052 2,169,052	0.0096 0.0071 0.0063 0.0067 0.0064 0.0062 0.0085 0.0060 0.0065	0.9904 0.9929 0.9937 0.9933 0.9936 0.9938 0.9915 0.9940 0.9935 0.9925	94.07 93.17 92.50 91.92 91.31 90.72 90.16 89.39 88.86 88.28
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	280,479,328 272,398,145 259,632,358 244,716,600 223,988,502 206,836,534 190,120,524 173,443,130 157,353,966 143,884,499	1,948,330 2,221,236 2,081,992 2,790,943 3,306,771 2,343,613 2,178,338 2,147,512 2,437,501 2,469,245	0.0069 0.0082 0.0080 0.0114 0.0148 0.0113 0.0115 0.0124 0.0155 0.0172	0.9931 0.9918 0.9920 0.9886 0.9852 0.9887 0.9885 0.9876 0.9845 0.9828	87.62 87.01 86.30 85.61 84.63 83.38 82.44 81.49 80.49 79.24
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	131,547,935 119,495,791 107,602,885 97,953,648 85,654,606 78,613,527 72,216,368 65,414,520 58,334,767 51,044,353	2,193,594 2,304,716 1,788,005 1,664,426 1,518,299 1,237,176 1,305,494 1,105,652 1,176,188 778,878	0.0167 0.0193 0.0166 0.0170 0.0177 0.0157 0.0181 0.0169 0.0202 0.0153	0.9833 0.9807 0.9834 0.9830 0.9823 0.9843 0.9819 0.9831 0.9798 0.9847	77.88 76.58 75.10 73.86 72.60 71.31 70.19 68.92 67.76 66.39

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1901-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	45,010,294 39,768,240 36,214,691 33,552,739 30,881,298 27,127,292 23,752,823 20,558,106 18,610,075 16,644,640	885,491 519,930 533,072 608,371 793,154 1,070,187 1,462,588 462,994 661,127 552,707	0.0197 0.0131 0.0147 0.0181 0.0257 0.0395 0.0616 0.0225 0.0355 0.0332	0.9803 0.9869 0.9853 0.9819 0.9743 0.9605 0.9384 0.9775 0.9645 0.9668	65.38 64.09 63.25 62.32 61.19 59.62 57.27 53.74 52.53 50.67
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	14,847,051 13,138,448 11,638,204 10,123,040 8,769,054 7,260,918 5,742,796 4,307,807 2,986,356 1,841,086	594,957 355,612 330,729 353,207 564,887 643,511 539,345 247,698 257,063 199,798	0.0401 0.0271 0.0284 0.0349 0.0644 0.0886 0.0939 0.0575 0.0861 0.1085	0.9599 0.9729 0.9716 0.9651 0.9356 0.9114 0.9061 0.9425 0.9139 0.8915	48.98 47.02 45.75 44.45 42.90 40.13 36.58 33.14 31.24 28.55
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	1,146,600 759,923 507,034 465,764 432,760 426,733 403,710 373,366 321,050 287,431	138,638 126,245 39,451 23,108 8,180 23,196 30,344 24,600 9,737 12,130	0.1209 0.1661 0.0778 0.0496 0.0189 0.0544 0.0752 0.0659 0.0303 0.0422	0.8791 0.8339 0.9222 0.9504 0.9811 0.9456 0.9248 0.9341 0.9697 0.9578	25.45 22.37 18.66 17.20 16.35 16.04 15.17 14.03 13.10 12.71
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	249,893 190,567 130,961 108,653 91,136 79,994 65,971 50,162 42,617 36,211	6,202 7,928 1,447 2,623 4,034 4,706 2,719 3,618 1,105 1,049	0.0248 0.0416 0.0111 0.0241 0.0443 0.0588 0.0412 0.0721 0.0259 0.0290	0.9752 0.9584 0.9889 0.9759 0.9557 0.9412 0.9588 0.9279 0.9741 0.9710	12.17 11.87 11.38 11.25 10.98 10.49 9.87 9.47 8.78 8.56

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1901-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5	32,765 28,684 25,962 24,918 24,580 23,817 22,695 22,116 19,172 15,439	1,037 495 518 136 387 604 37	0.0317 0.0173 0.0200 0.0055 0.0158 0.0254 0.0016 0.0000 0.0105	0.9827 0.9800 0.9945 0.9842 0.9746 0.9984 1.0000	8.31 8.05 7.91 7.75 7.71 7.59 7.39 7.38 7.38
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5	12,170 10,386 8,610 7,591 5,044 3,031 2,101	282 420 2,152 199 594	0.0232 0.0405 0.0000 0.2836 0.0394 0.1959 0.0000	1.0000 0.7164	7.30 7.13 6.85 6.85 4.90 4.71 3.79 3.79



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1946-2017 PLACEMENTS 100 **IOWA 55-R1** 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕВСЕИТ ЗИВУІУІИС



OREGON PROPERTY
ACCOUNT 369.1 OVERHEAD SERVICES
ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 369.1 OVERHEAD SERVICES

PLACEMENT	BAND 1946-2017		EXPE	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	95,356,868	149,133	0.0016	0.9984	100.00
0.5	92,339,280	1,756,295	0.0190	0.9810	99.84
1.5	87,911,438	576,552	0.0066	0.9934	97.94
2.5	85,086,136	618,941	0.0073	0.9927	97.30
3.5	82,317,250	421,123	0.0051	0.9949	96.59
4.5	79,787,626	404,243	0.0051	0.9949	96.10
5.5	77,308,318	349,927	0.0045	0.9955	95.61
6.5	74,781,131	366,866	0.0049	0.9951	95.18
7.5	72,938,877	331,695	0.0045	0.9955	94.71
8.5	70,401,260	365,529	0.0052	0.9948	94.28
9.5	67,410,073	320,466	0.0048	0.9952	93.79
10.5	64,000,652	323,817	0.0051	0.9949	93.35
11.5	62,026,605	292,509	0.0047	0.9953	92.88
12.5	58,854,979	272,920	0.0046	0.9954	92.44
13.5	56,298,852	381,599	0.0068	0.9932	92.01
14.5	53,848,837	234,876	0.0044	0.9956	91.38
15.5	52,023,746	243,371	0.0047	0.9953	90.99
16.5	51,571,788	239,179	0.0046	0.9954	90.56
17.5	43,865,185	272,334	0.0062	0.9938	90.14
18.5	42,595,054	343,955	0.0081	0.9919	89.58
19.5	41,077,736	501,094	0.0122	0.9878	88.86
20.5	39,549,549	459,535	0.0116	0.9884	87.77
21.5	35,300,535	370,417	0.0105	0.9895	86.75
22.5	32,819,388	339,662	0.0103	0.9897	85.84
23.5	29,555,583	455,861	0.0154	0.9846	84.96
24.5	27,827,029	184,569	0.0066	0.9934	83.64
25.5	26,496,799	212,881	0.0080	0.9920	83.09
26.5	24,825,964	189,277	0.0076	0.9924	82.42
27.5	23,758,718	143,322	0.0060	0.9940	81.79
28.5	23,026,110	147,209	0.0064	0.9936	81.30
29.5	22,341,164	93,178	0.0042	0.9958	80.78
30.5	21,635,787	123,524	0.0057	0.9943	80.44
31.5	20,696,152	100,485	0.0049	0.9951	79.98
32.5	19,931,429	101,711	0.0051	0.9949	79.60
33.5	19,051,629	95,302	0.0050	0.9950	79.19
34.5	18,212,140	69,612	0.0038	0.9962	78.79
35.5	17,145,638	46,116	0.0027	0.9973	78.49
36.5	16,023,849	58,475	0.0036	0.9964	78.28
37.5	14,889,721	42,566	0.0029	0.9971	78.00
38.5	13,826,917	62,460	0.0045	0.9955	77.77

ACCOUNT 369.1 OVERHEAD SERVICES

AGE AT BEGIN OF INTERVAL EXPOSURES AT BEGINNING OF INTERVAL RETIME AGE INTERVAL RETMT RATIO SURV BEGIN OF RATIO 39.5 12,903,403 45,943 0.0036 0.9964 77.42 40.5 12,043,202 65,741 0.0055 0.9945 77.15 41.5 11,273,980 53,462 0.0047 0.9953 76.72 42.5 10,504,349 103,695 0.0099 0.9901 76.36 44.5 8,908,984 72,694 0.0082 0.9918 75.61 44.5 6,788,155 29,795 0.0044 0.9956 74.10 47.5 6,266,478 29,062 0.0046 0.9954 73.78 48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.62 52.5 3,896,461 41,831 0.0162 0.9983 75.61 55.5	PLACEMENT	BAND 1946-2017		EXPER	RIENCE BAN	D 1967-2017
INTERVAL AGE INTERVAL INTERVAL RATIO RATIO RATIO INTERVAL				DEIMI	GIIDI/	
40.5 12,043,202 65,741 0.0055 0.9945 77.15 41.5 11,273,980 53,462 0.0047 0.9953 76.72 42.5 10,504,349 103,695 0.0099 0.9901 76.36 43.5 9,681,842 59,790 0.0062 0.9938 75.61 44.5 8,908,984 72,694 0.0082 0.9918 75.14 45.5 7,351,906 41,855 0.057 0.9943 74.53 46.5 6,788,155 29,795 0.0044 0.9956 74.10 47.5 6,266,478 29,062 0.0046 0.9976 73.78 48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0022 0.9978 73.26 50.5 4,884,696 11,883 0.0024 0.9976 73.49 51.5 4,425,180 30,341 0.0107 0.9873 72.42 53.5 3,896,461 41,831 0.0107 0.9873 71.42 55.5 2,478,579 31,3						
41.5 11,273,980 53,462 0.0047 0.9953 76.72 42.5 10,504,349 103,695 0.0099 0.9901 76.36 43.5 9,681,842 59,790 0.0062 0.9938 75.61 44.5 8,908,984 72,694 0.0082 0.9918 75.14 45.5 7,351,906 41,855 0.0057 0.9943 74.53 46.5 6,788,155 29,795 0.0044 0.9956 74.10 47.5 6,266,478 29,062 0.0046 0.9954 73.78 48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0022 0.9978 73.26 50.5 4,884,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,6	39.5		45,943	0.0036	0.9964	77.42
42.5 10,504,349 103,695 0.0099 0.9901 76.36 43.5 9,681,842 59,790 0.0062 0.9938 75.61 44.5 8,908,984 72,694 0.0082 0.9918 75.14 45.5 7,351,906 41,855 0.0057 0.9943 74.53 46.5 6,788,155 29,795 0.0044 0.9956 74.10 47.5 6,266,478 29,062 0.0046 0.9954 73.78 48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0022 0.9978 73.26 50.5 4,884,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.017 0.9873 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379	40.5			0.0055	0.9945	77.15
43.5 9,681,842 59,790 0.0062 0.9938 75.61 44.5 8,908,984 72,694 0.0082 0.9918 75.14 45.5 7,351,906 41,855 0.0057 0.9943 74.53 46.5 6,788,155 29,795 0.0044 0.9956 74.10 47.5 6,266,478 29,062 0.0046 0.9954 73.78 48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0022 0.9978 73.26 50.5 4,884,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960<	41.5		53,462	0.0047	0.9953	76.72
44.5 8,908,984 72,694 0.0082 0.9918 75.14 45.5 7,351,906 41,855 0.0057 0.9943 74.53 46.5 6,788,155 29,795 0.0044 0.9956 74.10 47.5 6,266,478 29,062 0.0046 0.9976 73.78 48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0022 0.9978 73.26 50.5 4,844,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960<	42.5			0.0099	0.9901	76.36
45.5 7,351,906 41,855 0.0057 0.9943 74.53 46.5 6,788,155 29,795 0.0044 0.9956 74.10 47.5 6,266,478 29,062 0.0046 0.9954 73.78 48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0022 0.9978 73.26 50.5 4,884,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973<						
46.5 6,788,155 29,795 0.0044 0.9956 74.10 47.5 6,266,478 29,062 0.0046 0.9954 73.78 48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0022 0.9978 73.09 50.5 4,884,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 60.5 769,760 21,438 <td>44.5</td> <td>8,908,984</td> <td>72,694</td> <td>0.0082</td> <td>0.9918</td> <td>75.14</td>	44.5	8,908,984	72,694	0.0082	0.9918	75.14
47.5 6,266,478 29,062 0.0046 0.9954 73.78 48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0022 0.9978 73.09 50.5 4,884,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851	45.5	7,351,906	41,855	0.0057	0.9943	74.53
48.5 5,770,683 14,025 0.0024 0.9976 73.44 49.5 5,322,833 11,859 0.0022 0.9978 73.26 50.5 4,884,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258	46.5	6,788,155	29,795	0.0044	0.9956	74.10
49.5 5,322,833 11,859 0.0022 0.9978 73.26 50.5 4,884,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982	47.5	6,266,478	29,062	0.0046	0.9954	73.78
50.5 4,884,696 11,883 0.0024 0.9976 73.09 51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 <t< td=""><td>48.5</td><td>5,770,683</td><td>14,025</td><td>0.0024</td><td>0.9976</td><td>73.44</td></t<>	48.5	5,770,683	14,025	0.0024	0.9976	73.44
51.5 4,425,180 30,341 0.0069 0.9931 72.92 52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 59.5 1,026,977 41,242 0.0402 0.9598 63.42 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 <t< td=""><td>49.5</td><td>5,322,833</td><td>11,859</td><td>0.0022</td><td>0.9978</td><td>73.26</td></t<>	49.5	5,322,833	11,859	0.0022	0.9978	73.26
52.5 3,896,461 41,831 0.0107 0.9893 72.42 53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 59.5 1,026,977 41,242 0.0402 0.9598 63.42 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.	50.5	4,884,696	11,883	0.0024	0.9976	73.09
53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 59.5 1,026,977 41,242 0.0402 0.9598 63.42 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137	51.5	4,425,180	30,341	0.0069	0.9931	72.92
53.5 3,368,778 54,630 0.0162 0.9838 71.64 54.5 2,880,177 42,696 0.0148 0.9852 70.48 55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 59.5 1,026,977 41,242 0.0402 0.9598 63.42 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137	52.5	3,896,461	41,831	0.0107	0.9893	72.42
55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 59.5 1,026,977 41,242 0.0402 0.9598 63.42 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 7,321 1,121 0.1531	53.5	3,368,778	54,630	0.0162	0.9838	71.64
55.5 2,478,579 31,379 0.0127 0.9873 69.43 56.5 2,109,663 29,345 0.0139 0.9861 68.55 57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 59.5 1,026,977 41,242 0.0402 0.9598 63.42 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 7,321 1,121 0.1531	54.5	2,880,177	42,696	0.0148	0.9852	70.48
57.5 1,708,694 41,960 0.0246 0.9754 67.60 58.5 1,336,148 50,973 0.0381 0.9619 65.94 59.5 1,026,977 41,242 0.0402 0.9598 63.42 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03	55.5		31,379	0.0127	0.9873	69.43
58.5 1,336,148 50,973 0.0381 0.9619 65.94 59.5 1,026,977 41,242 0.0402 0.9598 63.42 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03	56.5	2,109,663	29,345	0.0139	0.9861	68.55
58.5 1,336,148 50,973 0.0381 0.9619 65.94 59.5 1,026,977 41,242 0.0402 0.9598 63.42 60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03	57.5	1,708,694	41,960	0.0246	0.9754	67.60
60.5 769,760 21,438 0.0279 0.9721 60.88 61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03		1,336,148	50,973	0.0381		65.94
61.5 564,843 27,851 0.0493 0.9507 59.18 62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03						
62.5 466,432 24,258 0.0520 0.9480 56.26 63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03						
63.5 90,670 11,982 0.1321 0.8679 53.34 64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03						
64.5 43,951 7,133 0.1623 0.8377 46.29 65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03						
65.5 26,598 2,345 0.0882 0.9118 38.78 66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03						
66.5 20,988 4,484 0.2137 0.7863 35.36 67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03						
67.5 13,320 3,203 0.2405 0.7595 27.80 68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03		•	<u>-</u>			
68.5 10,117 480 0.0475 0.9525 21.12 69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03						
69.5 7,321 1,121 0.1531 0.8469 20.11 70.5 2,803 2,402 0.8571 0.1429 17.03						
70.5 2,803 2,402 0.8571 0.1429 17.03	68.5	10,117	480	0.0475	0.9525	21.12
·	69.5	7,321	1,121	0.1531	0.8469	20.11
71.5	70.5	2,803	2,402	0.8571	0.1429	17.03
	71.5					2.43



ORIGINAL CURVE ■ 1948-2017 EXPERIENCE 1914-2017 PLACEMENTS 100 IOWA 60-R4 8 AGE IN YEARS 4 20 70 8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



OREGON PROPERTY ACCOUNT 369.2 UNDERGROUND SERVICES ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 369.2 UNDERGROUND SERVICES

PLACEMENT	BAND 1914-2017		EXPER	RIENCE BAN	D 1948-2017
AGE AT BEGIN OF		RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	192,448,316	173,905	0.0009	0.9991	100.00
0.5	184,816,500	616,309	0.0033	0.9967	99.91
1.5	176,499,361	413,223	0.0023	0.9977	99.58
2.5	169,859,973	240,607	0.0014	0.9986	99.34
3.5	164,085,355	317,032	0.0019	0.9981	99.20
4.5	158,479,571	222,688	0.0014	0.9986	99.01
5.5 6.5	153,659,345 149,191,214	296,717 204,261	0.0019 0.0014	0.9981 0.9986	98.87 98.68
7.5	145,191,214	155,686	0.0014	0.9989	98.55
8.5	140,576,715	136,689	0.0011	0.9990	98.44
0.5	140,370,713	130,009	0.0010	0.9990	90.44
9.5	133,532,518	138,404	0.0010	0.9990	98.34
10.5	123,638,375	115,415	0.0009	0.9991	98.24
11.5	115,893,797	110,883	0.0010	0.9990	98.15
12.5	106,259,449	64,137	0.0006	0.9994	98.06
13.5	98,510,970	100,253	0.0010	0.9990	98.00
14.5	91,489,043	98,803	0.0011	0.9989	97.90
15.5	85,880,709	121,767	0.0014	0.9986	97.79
16.5	83,028,331	72,871	0.0009	0.9991	97.65
17.5	70,732,701	140,934	0.0020	0.9980	97.57
18.5	64,617,169	73,085	0.0011	0.9989	97.37
19.5	60,911,297	66,584	0.0011	0.9989	97.26
20.5	54,785,899	53,034	0.0010	0.9990	97.16
21.5	45,252,958	56,797	0.0013	0.9987	97.06
22.5	39,710,357	35,923	0.0009	0.9991	96.94
23.5	32,264,480	38,040	0.0012	0.9988	96.85
24.5	29,732,474	30,911	0.0010	0.9990	96.74
25.5	27,598,880	50,720	0.0018	0.9982	96.64
26.5	25,015,258	38,759	0.0015	0.9985	96.46
27.5	22,605,603	26,077	0.0012	0.9988	96.31
28.5	20,584,783	21,307	0.0010	0.9990	96.20
29.5	18,936,739	46,038	0.0024	0.9976	96.10
30.5	17,746,419	12,993	0.0007	0.9993	95.87
31.5	15,915,925	38,687	0.0024	0.9976	95.80
32.5	14,609,638	20,186	0.0014	0.9986	95.56
33.5	13,103,396	10,899	0.0008	0.9992	95.43
34.5	12,000,471	8,373	0.0007	0.9993	95.35
35.5	10,890,423	22,515	0.0021	0.9979	95.29
36.5	9,642,998	27,584	0.0029	0.9971	95.09
37.5	8,257,349	25,055	0.0030	0.9970	94.82
38.5	6,736,832	10,097	0.0015	0.9985	94.53



ACCOUNT 369.2 UNDERGROUND SERVICES

PLACEMENT	BAND 1914-2017		EXPER	RIENCE BAN	D 1948-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	5,340,695 4,096,129 3,280,698 2,760,368 2,289,274 1,846,153 1,182,720 963,435 811,607 678,765	10,847 13,363 12,378 9,719 20,317 17,981 25,294 26,049 13,376 16,471	0.0020 0.0033 0.0038 0.0035 0.0089 0.0097 0.0214 0.0270 0.0165 0.0243	0.9980 0.9967 0.9962 0.9965 0.9911 0.9903 0.9786 0.9730 0.9835 0.9757	94.39 94.20 93.89 93.53 93.21 92.38 91.48 89.52 87.10 85.67
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	423,191 310,858 182,857 100,884 66,803 61,051 46,469 38,560 28,265 27,063	12,238 12,691 7,039 3,057 2,847 5,922 3,809 924 1,202 2,024	0.0289 0.0408 0.0385 0.0303 0.0426 0.0970 0.0820 0.0240 0.0425 0.0748	0.9711 0.9592 0.9615 0.9697 0.9574 0.9030 0.9180 0.9760 0.9575	83.59 81.17 77.86 74.86 72.59 69.50 62.76 57.61 56.23 53.84
59.5 60.5 61.5 62.5 63.5	24,850 15,664 8,013 1,729	3,092 4,784 6,285 1,729	0.1244 0.3054 0.7843 1.0000	0.8756 0.6946 0.2157	49.81 43.62 30.29 6.53



ORIGINAL CURVE ■ 1963-2017 EXPERIENCE 1924-2017 PLACEMENTS 100 ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES 8 ORIGINAL AND SMOOTH SURVIVOR CURVES OREGON PROPERTY AGE IN YEARS PACIFICORP IOWA 27-L0 4 20 9 70 30-8 09 20 20 РЕВСЕИТ ЗИВУІУІИВ



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1924-2017 EXPERIENCE BAND 1963-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF DURING AGE RETMT SURV BEGIN OF INTERVAL AGE INTERVAL INTERVAL INTERVAL RATIO RATIO 0.0 6,193,038 43,836 0.0071 0.9929 100.00 0.5 6,449,540 352,871 0.0547 0.9453 99.29 1.5 6,058,492 280,407 0.0463 0.9537 93.86 2.5 5,733,008 309,920 0.0541 0.9459 89.52 3.5 5,368,254 291,266 0.0543 0.9457 84.68 4.5 5,045,878 262,505 0.0520 0.9480 80.08 5.5 4,718,866 222,578 0.0472 75.92 0.9528 6.5 4,444,683 227,832 0.0513 0.9487 72.34 7.5 0.0422 4,182,256 176,627 0.9578 68.63 8.5 0.0423 65.73 3,980,603 168,451 0.9577 3,797,407 9.5 159,046 0.0419 0.9581 62.95 10.5 3,621,216 146,208 0.0404 0.9596 60.31 3,472,119 121,018 11.5 0.0349 0.9651 57.88 12.5 3,345,022 117,175 0.0350 0.9650 55.86 13.5 3,221,543 85,010 0.0264 0.9736 53.90 14.5 3,122,294 84,303 0.0270 52.48 0.9730 84,789 0.0280 0.9720 15.5 3,026,089 51.06 16.5 2,934,281 74,948 0.0255 0.9745 49.63 17.5 2,833,505 59,461 0.0210 0.9790 48.36 18.5 2,753,506 46,635 0.0169 0.9831 47.35 19.5 2,159,275 52,922 0.0245 0.9755 46.55 20.5 2,115,908 68,745 0.0325 0.9675 45.41 21.5 2,115,969 36,578 0.0173 43.93 0.9827 22.5 32,096 0.9850 2,144,717 0.0150 43.17 23.5 2,157,542 27,424 0.0127 0.9873 42.53 24.5 2,160,915 20,950 0.0097 0.9903 41.99 25.5 2,229,216 21,827 0.0098 0.9902 41.58 0.0085 26.5 2,271,019 19,404 0.9915 41.17 27.5 2,304,390 18,723 40.82 0.0081 0.9919 28.5 2,310,625 18,402 0.0080 0.9920 40.49 29.5 2,304,315 48,415 0.0210 0.9790 40.17 2,270,878 109,053 30.5 0.0480 0.9520 39.32 31.5 2,155,128 99,319 0.0461 0.9539 37.43 32.5 2,047,573 76,239 0.0372 0.9628 35.71 33.5 1,958,059 69,274 0.0354 34.38 0.9646 34.5 1,819,283 113,015 0.0621 0.9379 33.16 35.5 1,628,873 80,864 0.0496 0.9504 31.10 36.5 1,480,474 73,047 0.0493 0.9507 29.56 37.5 1,351,548 60,115 0.0445 0.9555 28.10 38.5 1,184,127 26,156 0.0221 0.9779 26.85



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

PLACEMENT BAND 1924-2017 EXPER				RIENCE BAN	D 1963-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	1,078,077 949,604 832,264 753,278 677,688 607,898 484,980 419,216 327,462 265,161	39,929 31,386 7,382 7,755 12,902 17,066 8,628 6,121 6,346 5,054	0.0370 0.0331 0.0089 0.0103 0.0190 0.0281 0.0178 0.0146 0.0194 0.0191	0.9630 0.9669 0.9911 0.9897 0.9810 0.9719 0.9822 0.9854 0.9806	26.26 25.28 24.45 24.23 23.98 23.53 22.87 22.46 22.13 21.70
49.5 50.5 51.5 52.5 53.5 54.5 55.5	224,009 178,335 133,556 94,206 45,293 10,559	5,834 3,168 5,370 8,459 1,855 970	0.0260 0.0178 0.0402 0.0898 0.0409 0.0919	0.9740 0.9822 0.9598 0.9102 0.9591 0.9081	21.29 20.73 20.37 19.55 17.79 17.06 15.50



ORIGINAL CURVE = 1967-2017 EXPERIENCE 1946-2017 PLACEMENTS 100 ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS 8 ORIGINAL AND SMOOTH SURVIVOR CURVES OREGON PROPERTY AGE IN YEARS **OWA 45-R1** 4 20 70 30-8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



PACIFICORP

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

PLACEMENT	BAND 1946-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0 0.5	27,037,713 26,881,242	51,929 254,046	0.0019 0.0095	0.9981 0.9905	100.00 99.81
1.5	26,434,745	178,360	0.0067	0.9933	98.86
2.5	26,025,168	203,115	0.0078	0.9922	98.20
3.5	25,679,569	195,294	0.0076	0.9924	97.43
4.5	25,222,716	174,790	0.0069	0.9931	96.69
5.5	24,872,748	227,740	0.0092	0.9908	96.02
6.5	24,269,050	180,098	0.0074	0.9926	95.14
7.5	23,884,531	197,459	0.0083	0.9917	94.44
8.5	23,360,319	208,117	0.0089	0.9911	93.65
9.5	22,779,701	190,789	0.0084	0.9916	92.82
10.5	21,359,755	191,372	0.0090	0.9910	92.04
11.5	20,653,142	182,755	0.0088	0.9912	91.22
12.5	19,615,426	167,891	0.0086	0.9914	90.41
13.5	18,615,842	188,162	0.0101	0.9899	89.64
14.5	17,678,234	180,866	0.0102	0.9898	88.73
15.5	16,694,290	197,303	0.0118	0.9882	87.82
16.5	16,189,833	247,825	0.0153	0.9847	86.79
17.5	15,120,902	219,083	0.0145	0.9855	85.46
18.5	14,276,047	245,743	0.0172	0.9828	84.22
19.5	13,312,777	181,109	0.0136	0.9864	82.77
20.5	12,145,875	175,469	0.0144	0.9856	81.64
21.5	11,169,712	166,655	0.0149	0.9851	80.46
22.5	10,267,320	167,424	0.0163	0.9837	79.26
23.5	9,161,839	136,154	0.0149	0.9851	77.97
24.5	8,427,344	89,609	0.0106	0.9894	76.81
25.5	7,730,948	109,951	0.0142	0.9858	75.99
26.5	7,142,942	140,173	0.0196	0.9804	74.91
27.5	6,678,432	70,385	0.0105	0.9895	73.44
28.5	6,425,161	74,016	0.0115	0.9885	72.67
29.5	5,931,063	54,818	0.0092	0.9908	71.83
30.5	5,730,677	69,552	0.0121	0.9879	71.17
31.5	5,569,036	91,804	0.0165	0.9835	70.31
32.5	5,255,184	59,236	0.0113	0.9887	69.15
33.5	4,954,308	74,047	0.0149	0.9851	68.37
34.5	4,570,364	27,473	0.0060	0.9940	67.34
35.5	4,305,701	33,266	0.0077	0.9923	66.94
36.5	3,744,195	87,336	0.0233	0.9767	66.42
37.5	3,418,976	29,699	0.0087	0.9913	64.87
38.5	3,184,762	34,053	0.0107	0.9893	64.31

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT 1	BAND 1946-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	2,997,102	39,344	0.0131	0.9869	63.62
40.5	2,815,960	43,713	0.0155	0.9845	62.79
41.5	2,635,865	45,450	0.0172	0.9828	61.81
42.5	2,453,056	51,313	0.0209	0.9791	60.75
43.5	2,295,125	73,166	0.0319	0.9681	59.48
44.5	2,041,400	26,000	0.0127	0.9873	57.58
45.5	1,881,426	43,166	0.0229	0.9771	56.85
46.5	1,757,749	36,059	0.0205	0.9795	55.54
47.5	1,609,003	39,231	0.0244	0.9756	54.40
48.5	1,422,334	45,457	0.0320	0.9680	53.08
49.5	1,264,425	39,913	0.0316	0.9684	51.38
50.5	1,098,920	33,728	0.0307	0.9693	49.76
51.5	922,037	52,324	0.0567	0.9433	48.23
52.5	743,459	12,622	0.0170	0.9830	45.49
53.5	629,969	19,499	0.0310	0.9690	44.72
54.5	532,638	19,777	0.0371	0.9629	43.34
55.5	488,744	14,392	0.0294	0.9706	41.73
56.5	444,476	13,758	0.0310	0.9690	40.50
57.5	373,824	8,220	0.0220	0.9780	39.25
58.5	335,681	9,413	0.0280	0.9720	38.38
59.5	308,252	7,241	0.0235	0.9765	37.31
60.5	255,422	4,707	0.0184	0.9816	36.43
61.5	224,748	4,745	0.0211	0.9789	35.76
62.5	209,798	1,306	0.0062	0.9938	35.00
63.5	49,959	535	0.0107	0.9893	34.79
64.5	42,167	1,341	0.0318	0.9682	34.41
65.5	37,221	1,240	0.0333	0.9667	33.32
66.5	34,991	57	0.0016	0.9984	32.21
67.5	34,606	97	0.0028	0.9972	32.16
68.5	6,040	59	0.0098	0.9902	32.07
69.5	4,259	42	0.0098	0.9902	31.75
70.5	4,097	13	0.0032	0.9968	31.44



71.5

31.34

ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1905-2017 PLACEMENTS 100 IOWA 55-R1.5 8 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS 4 20 100 70 30-8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

OREGON PROPERTY

PACIFICORP

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1905-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	113,878,867 112,626,646 91,944,796 89,203,989 86,743,636 85,508,416 84,284,204 79,906,908 76,616,244 73,564,609	105,024 225,825 184,892 138,382 403,307 237,121 194,000 1,944,770 313,801	0.0000 0.0009 0.0025 0.0021 0.0016 0.0047 0.0028 0.0024 0.0254 0.0043	1.0000 0.9991 0.9975 0.9979 0.9984 0.9953 0.9972 0.9976 0.9746	100.00 100.00 99.91 99.66 99.45 99.30 98.83 98.55 98.31
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	68,786,261 67,528,984 63,755,382 61,288,441 59,431,957 58,203,414 57,226,316 55,992,149 54,903,157 49,957,404	241,750 967,213 417,441 302,354 347,706 379,471 206,676 155,487 654,884 139,590	0.0035 0.0143 0.0065 0.0049 0.0059 0.0065 0.0036 0.0028 0.0119 0.0028	0.9965 0.9857 0.9935 0.9951 0.9941 0.9935 0.9964 0.9972 0.9881 0.9972	95.41 95.07 93.71 93.10 92.64 92.09 91.49 91.16 90.91 89.83
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	38,890,088 38,398,686 36,850,028 36,107,803 16,710,445 14,496,541 9,329,999 5,276,560 4,259,325 3,798,449	117,135 740,688 128,490 269,155 140,560 52,841 67,482 51,279 67,619 14,219	0.0030 0.0193 0.0035 0.0075 0.0084 0.0036 0.0072 0.0097 0.0159 0.0037	0.9970 0.9807 0.9965 0.9925 0.9916 0.9964 0.9928 0.9903 0.9841 0.9963	89.58 89.31 87.58 87.28 86.63 85.90 85.58 84.97 84.14
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	3,398,775 3,246,022 3,092,762 2,743,145 2,296,573 2,113,422 2,106,125 2,002,950 1,903,493 1,914,112	13,247 47,400 29,944 96,073 58,004 14,266 37,663 68,126 4,081 13,854	0.0039 0.0146 0.0097 0.0350 0.0253 0.0068 0.0179 0.0340 0.0021 0.0072	0.9961 0.9854 0.9903 0.9650 0.9747 0.9932 0.9821 0.9660 0.9979 0.9928	82.49 82.17 80.97 80.19 77.38 75.43 74.92 73.58 71.07 70.92

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

BAND 1905-2017		EXPER	RIENCE BAN	D 1967-2017
EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
1,885,339 1,902,141 1,917,844 1,923,835 1,688,973 1,264,335 1,250,197 1,198,378 1,171,117	5,643 6,751 7,839 36,576 15,172 14,271 30,814 27,589 5,297 26,913	0.0030 0.0035 0.0041 0.0190 0.0090 0.0113 0.0246 0.0230 0.0045 0.0245	0.9970 0.9965 0.9959 0.9810 0.9910 0.9887 0.9754 0.9770 0.9955	70.41 70.20 69.95 69.66 68.34 67.73 66.96 65.31 63.81 63.52
1,072,274 1,107,106 1,093,484 1,089,852 1,114,483 1,083,336 1,036,116 483,683 339,152 335,310	7,501 5,392 1,732 1,052 1,918 52,230 6,172 871 3,401 1,494	0.0070 0.0049 0.0016 0.0010 0.0017 0.0482 0.0060 0.0018 0.0100 0.0045	0.9930 0.9951 0.9984 0.9990 0.9983 0.9518 0.9940 0.9982 0.9900 0.9955	61.96 61.53 61.23 61.13 61.07 60.97 58.03 57.68 57.58
332,210 325,144 318,910 290,682 286,948 281,969 251,127 142,298 74,507 26,482	1,640 5,913 6,685 3,032 3,487 29,229 102,491 6,832 11,314 213	0.0049 0.0182 0.0210 0.0104 0.0122 0.1037 0.4081 0.0480 0.1519 0.0080	0.9951 0.9818 0.9790 0.9896 0.9878 0.8963 0.5919 0.9520 0.8481 0.9920	56.75 56.47 55.44 54.28 53.71 53.06 47.56 28.15 26.80 22.73
25,435 25,072 24,939 24,939 24,676 24,676 24,676 24,178 24,125	363 133 262 499 53 5	0.0143 0.0053 0.0000 0.0105 0.0000 0.0000 0.0202 0.0022 0.0002	0.9857 0.9947 1.0000 0.9895 1.0000 1.0000 0.9798 0.9978	22.55 22.22 22.11 22.11 21.87 21.87 21.87 21.43 21.38
	EXPOSURES AT BEGINNING OF AGE INTERVAL 1,885,339 1,902,141 1,917,844 1,923,835 1,688,973 1,264,335 1,250,197 1,198,378 1,171,117 1,097,589 1,072,274 1,107,106 1,093,484 1,089,852 1,114,483 1,083,336 1,036,116 483,683 339,152 335,310 332,210 325,144 318,910 290,682 286,948 281,969 251,127 142,298 74,507 26,482 25,435 25,072 24,939 24,676 24,676 24,676 24,676 24,676 24,676 24,676 24,676 24,676 24,676 24,676 24,676 24,676 24,178 24,125	EXPOSURES AT BEGINNING OF AGE INTERVAL 1,885,339	EXPOSURES AT BEGINNING OF AGE INTERVAL TINTERVAL RATIO 1.885,339	EXPOSURES AT BEGINNING OF AGE INTERVAL TINTERVAL RATIO RATIO 1,885,339

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT BAND 1905-2017 EXPERIENCE BAND 196					D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5	24,041 21,479 9,345 9,345 9,345 9,345 9,345 9,345	2,562 12,134	0.1066 0.5649 0.0000 0.0000 0.0000 0.0000 0.0000 0.0359	0.8934 0.4351 1.0000 1.0000 1.0000 1.0000 0.9641	21.31 19.04 8.28 8.28 8.28 8.28 8.28 8.28



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ORIGINAL CURVE = 1948-2017 PLACEMENTS 1998-2017 EXPERIENCE 1973-2017 PLACEMENTS 20 ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS 4 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS OREGON PROPERTY PACIFICORP IOWA 13-52 2 9 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ

ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

ORIGINAL LIFE TABLE

PLACEMENT I	BAND 1948-2017		EXPER	RIENCE BAN	D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	20,721,432 20,118,684 19,917,900 18,761,053 18,136,233 17,701,052 17,378,343 15,710,026 14,462,873 12,445,362	19,603 73,186 23,160 62,855 158,929 257,175 403,810 709,429 868,984 1,334,240	0.0009 0.0036 0.0012 0.0034 0.0088 0.0145 0.0232 0.0452 0.0601 0.1072	0.9991 0.9964 0.9988 0.9966 0.9912 0.9855 0.9768 0.9548 0.9399 0.8928	100.00 99.91 99.54 99.43 99.09 98.22 96.80 94.55 90.28 84.85
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	10,789,106 9,283,065 7,066,389 4,771,072 3,616,228 2,624,437 1,666,532 1,214,582 939,675 766,429	1,262,838 1,277,387 917,497 761,676 560,825 557,568 287,308 158,934 123,177 207,268	0.1170 0.1376 0.1298 0.1596 0.1551 0.2125 0.1724 0.1309 0.1311 0.2704	0.8830 0.8624 0.8702 0.8404 0.8449 0.7875 0.8276 0.8691 0.8689 0.7296	75.76 66.89 57.69 50.20 42.18 35.64 28.07 23.23 20.19 17.54
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	469,443 380,295 289,506 218,983 137,168 33,691 33,691 16,579 10,431 10,431	54,917 90,789 70,523 17,458 24,237 14,002 6,148	0.1170 0.2387 0.2436 0.0797 0.1767 0.0000 0.4156 0.3708 0.0000 0.0000	0.8830 0.7613 0.7564 0.9203 0.8233 1.0000 0.5844 0.6292 1.0000 1.0000	12.80 11.30 8.60 6.51 5.99 4.93 4.93 2.88 1.81 1.81
30.5 31.5	10,431	10,431	0.0000	1.0000	1.81



32.5

ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

ORIGINAL LIFE TABLE

PLACEMENT I	BAND 1973-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	15,062,692 15,424,507 15,850,062 15,659,317 15,871,115 16,779,740 16,804,527 15,160,799 13,966,265 11,984,384	18,694 17,400 23,158 34,227 83,274 226,233 393,708 645,644 829,076 1,305,732	0.0012 0.0011 0.0015 0.0022 0.0052 0.0135 0.0234 0.0426 0.0594 0.1090	0.9988 0.9989 0.9985 0.9978 0.9948 0.9865 0.9766 0.9574 0.9406 0.8910	100.00 99.88 99.76 99.62 99.40 98.88 97.55 95.26 91.20 85.79
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	10,360,533 8,892,527 6,693,799 4,455,611 3,370,941 2,400,828 1,481,908 1,048,421 794,824 663,132	1,200,806 1,237,704 851,615 685,604 533,644 513,459 266,109 137,624 116,411 202,433	0.1159 0.1392 0.1272 0.1539 0.1583 0.2139 0.1796 0.1313 0.1465 0.3053	0.8841 0.8608 0.8728 0.8461 0.8417 0.7861 0.8204 0.8687 0.8535 0.6947	76.44 67.58 58.18 50.77 42.96 36.16 28.43 23.32 20.26 17.29
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	391,745 322,998 256,157 188,402 106,587 13,541 10,431 10,431 10,431	45,794 77,990 67,755 17,458 24,237	0.1169 0.2415 0.2645 0.0927 0.2274 0.0000 0.0000 0.0000 0.0000	0.8831 0.7585 0.7355 0.9073 0.7726 1.0000 1.0000 1.0000	12.01 10.61 8.05 5.92 5.37 4.15 4.15 4.15 4.15
30.5 31.5	10,431	10,431	0.0000	1.0000	4.15 4.15 4.15



32.5

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ORIGINAL CURVE ■ 1964-2017 EXPERIENCE 1934-2017 PLACEMENTS 20 ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 4 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS OREGON PROPERTY PACIFICORP **IOWA 16-S2** 20 9 70 8 8 9 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

PLACEMENT	BAND 1934-2017		EXPER	RIENCE BAN	D 1964-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	23,222,739 22,642,759 22,580,346 21,949,910 20,391,478 19,752,716 19,271,690 17,675,496 17,614,831	8,415 605 23,637 23,644 177,089 301,020 144,112 388,967	0.0004 0.0000 0.0010 0.0011 0.0000 0.0090 0.0156 0.0082 0.0221	0.9996 1.0000 0.9990 0.9989 1.0000 0.9910 0.9844 0.9918 0.9779	100.00 99.96 99.96 99.86 99.75 99.75 98.85 97.31
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	17,065,335 16,016,964 15,060,316 12,682,739 10,026,573 8,326,640 7,321,791 5,004,155 4,107,714 3,460,659 2,974,396	745,736 765,060 766,875 909,315 1,116,441 1,037,930 1,063,887 595,978 532,081 486,264 439,589	0.0437 0.0478 0.0509 0.0717 0.1113 0.1247 0.1453 0.1191 0.1295 0.1405 0.1478	0.9563 0.9522 0.9491 0.9283 0.8887 0.8753 0.8547 0.8809 0.8705 0.8595 0.8522	94.39 90.26 85.95 81.57 75.72 67.29 58.90 50.35 44.35 38.60 33.18
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	2,447,091 1,699,961 1,232,386 870,557 771,152 488,321 335,199 266,085 154,605 154,535	249,313 243,724 257,540 58,103 208,252 125,884 69,114 53,595 70 14,599	0.1019 0.1434 0.2090 0.0667 0.2701 0.2578 0.2062 0.2014 0.0005 0.0945	0.8981 0.8566 0.7910 0.9333 0.7299 0.7422 0.7938 0.7986 0.9995 0.9055	28.28 25.40 21.75 17.21 16.06 11.72 8.70 6.91 5.52 5.51
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	141,774 118,808 118,808 105,105 103,936 83,294 64,565 64,565 64,565	22,966 13,703 1,169 20,641 18,729	0.1620 0.0000 0.1153 0.0111 0.1986 0.2249 0.0000 0.0000 0.0976 0.0000	0.8380 1.0000 0.8847 0.9889 0.8014 0.7751 1.0000 1.0000 0.9024 1.0000	4.99 4.18 4.18 3.70 3.66 2.93 2.27 2.27 2.27 2.05

ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

BAND 1934-2017		EXPE	RIENCE BAN	D 1964-2017
EXPOSURES AT	RETIREMENTS			PCT SURV
BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
58,261	20,716	0.3556	0.6444	2.05
37,545		0.0000	1.0000	1.32
37,545		0.0000	1.0000	1.32
37,545		0.0000	1.0000	1.32
37,545	490	0.0131	0.9869	1.32
3,375	735	0.2177	0.7823	1.30
2,640		0.0000	1.0000	1.02
2,640	223	0.0843	0.9157	1.02
2,418		0.0000	1.0000	0.93
2,418		0.0000	1.0000	0.93
2,418		0.0000	1.0000	0.93
2,418		0.0000	1.0000	0.93
2,418		0.0000	1.0000	0.93
2,418	2,418	1.0000		0.93
	EXPOSURES AT BEGINNING OF AGE INTERVAL 58,261 37,545 37,545 37,545 37,545 37,545 2,640 2,640 2,418 2,418 2,418 2,418	EXPOSURES AT BEGINNING OF AGE INTERVAL 58,261 37,545 37,545 37,545 37,545 37,545 37,545 37,545 2,640 2,640 2,640 2,640 2,418 2,418 2,418 2,418 2,418 2,418	EXPOSURES AT BEGINNING OF DURING AGE RETMT AGE INTERVAL INTERVAL RATIO 58,261 20,716 0.3556 0.0000 37,545 0.0000 37,545 0.0000 37,545 490 0.0131 3,375 735 0.2177 2,640 223 0.0843 2,418 0.0000 2,418 0.0000 2,418 0.0000 2,418 0.0000 2,418 0.0000 2,418 0.0000 2,418 0.0000 2,418 0.0000 2,418 0.0000 2,418 0.0000 0.0000 0.0000 0.0000	EXPOSURES AT BEGINNING OF DURING AGE RETMT SURV AGE INTERVAL INTERVAL RATIO RATIO 58,261 20,716 0.3556 0.6444 0.0000 1.0000 0.0000 1.0000 0.0000 1.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000



▲ 1988-2017 EXPERIENCE 1929-2017 PLACEMENTS ORIGINAL CURVE ■ 1922-2017 PLACEMENTS 100 ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS ORIGINAL AND SMOOTH SURVIVOR CURVES 80 OREGON PROPERTY AGE IN YEARS IOWA 38-S1 PACIFICORP 40 20 100 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT	BAND 1922-2017		EXPE	RIENCE BAN	D 1966-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	4,334,939 4,247,783	4,234	0.0010	0.9990 1.0000	100.00 99.90
1.5	4,260,917		0.0000	1.0000	99.90
2.5	4,183,976	5,196	0.0012	0.9988	99.90
3.5	4,194,623		0.0000	1.0000	99.78
4.5	4,197,372	1,115	0.0003	0.9997	99.78
5.5	4,234,528		0.0000	1.0000	99.75
6.5	3,639,517	2,262	0.0006	0.9994	99.75
7.5	3,518,550	56,699	0.0161	0.9839	99.69
8.5	3,457,110	2,019	0.0006	0.9994	98.08
9.5	3,437,519	32,638	0.0095	0.9905	98.03
10.5	3,156,804	10,044	0.0032	0.9968	97.10
11.5	2,547,316	6,386	0.0025	0.9975	96.79
12.5	2,525,645	18,701	0.0074	0.9926	96.54
13.5	2,460,138	36,022	0.0146	0.9854	95.83
14.5	2,411,008	1,397	0.0006	0.9994	94.43
15.5	2,353,930	77,824	0.0331	0.9669	94.37
16.5	2,278,713	20,023	0.0088	0.9912	91.25
17.5	2,267,725	49,068	0.0216	0.9784	90.45
18.5	2,176,791	43,969	0.0202	0.9798	88.49
19.5	2,001,903	41,453	0.0207	0.9793	86.70
20.5	1,711,545	84,644	0.0495	0.9505	84.91
21.5	1,496,757	69,557	0.0465	0.9535	80.71
22.5	1,173,237	18,580	0.0158	0.9842	76.96
23.5	928,512	70,738	0.0762	0.9238	75.74
24.5	825,449	668	0.0008	0.9992	69.97
25.5	678,693	23,918	0.0352	0.9648	69.91
26.5	612,217	32,634	0.0533	0.9467	67.45
27.5	561,063	31,260	0.0557	0.9443	63.85
28.5	518,185	9,455	0.0182	0.9818	60.30
29.5	507,818	10,012	0.0197	0.9803	59.20
30.5	497,806	20,012	0.0402	0.9598	58.03
31.5	478,721	37,469	0.0783	0.9217	55.70
32.5	441,252	8,711	0.0197	0.9803	51.34
33.5	416,115	31,754	0.0763	0.9237	50.32
34.5	351,123	25,558	0.0728	0.9272	46.48
35.5	326,938	10,715	0.0328	0.9672	43.10
36.5	317,983	22,983	0.0723	0.9277	41.69
37.5	283,105	9,183	0.0324	0.9676	38.67
38.5	273,770	16,553	0.0605	0.9395	37.42

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT F	BAND 1922-2017		EXPE	RIENCE BAN	D 1966-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	250,373 236,471 179,194 164,587 143,161 131,536 121,530 98,437 85,728	9,991	0.0555 0.2273 0.0404 0.1123 0.0604 0.0761 0.0945 0.1291 0.1165	0.9239 0.9055 0.8709 0.8835	35.16 33.21 25.66 24.62 21.86 20.54 18.97 17.18 14.96
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	73,827 63,416 57,628 42,065 34,775 31,606 20,305 14,745 14,093 13,481 11,773	8,505 1,408 5,584 4,678 2,054 5,047 327 652 612 704 4,372	0.1152 0.0222 0.0969 0.1112 0.0591 0.1597 0.0161 0.0442 0.0434 0.0522 0.3713	0.9031 0.8888 0.9409 0.8403 0.9839 0.9558 0.9566	13.22 11.70 11.44 10.33 9.18 8.64 7.26 7.14 6.83 6.53 6.19
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5 70.5 71.5 72.5 73.5 74.5 75.5	7,402 7,402 7,163 5,352 5,352 5,352 5,352 5,352 3,436 2,854 1,972 1,972 778 778 419	239 418 1,194 359 419	0.0000 0.0323 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.1216 0.0000 0.6054 0.0000 0.4618 1.0000	1.0000 0.9677 1.0000 1.0000 1.0000 1.0000 1.0000 0.8784 1.0000 1.0000 0.3946 1.0000 0.5382	3.89 3.89 3.77 3.77 3.77 3.77 3.77 3.77 3.77 3.7



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT :	BAND 1929-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	3,820,889 3,705,267 3,712,896 3,603,303 3,636,179 3,647,928 3,647,928 3,049,648 2,991,272 2,929,006	4,234 54,165	0.0011 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0181 0.0000	0.9989 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9819 1.0000	100.00 99.89 99.89 99.89 99.89 99.89 99.89 99.89 98.08
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	2,934,015 2,669,833 2,078,399 2,078,166 2,028,791 1,998,246 1,964,387 1,923,213 1,915,323 1,848,528	30,442 1,575 12,679 34,222 69,677 19,499 45,880 38,306	0.0104 0.0000 0.0008 0.0061 0.0169 0.0000 0.0355 0.0101 0.0240 0.0207	0.9896 1.0000 0.9992 0.9939 0.9831 1.0000 0.9645 0.9899 0.9760 0.9793	98.08 97.06 97.06 96.99 96.40 94.77 94.77 91.41 90.48 88.32
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	1,687,942 1,419,131 1,228,688 934,212 712,928 648,742 507,203 462,083 439,097 445,281	28,701 81,980 63,696 15,264 59,424 324 23,918 23,960 30,210 3,123	0.0170 0.0578 0.0518 0.0163 0.0834 0.0005 0.0472 0.0519 0.0688 0.0070	0.9830 0.9422 0.9482 0.9837 0.9166 0.9995 0.9528 0.9481 0.9312 0.9930	86.49 85.01 80.10 75.95 74.71 68.48 68.45 65.22 61.84 57.58
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	446,352 461,119 447,511 414,442 389,306 331,501 307,040 297,729 263,747 255,308	8,594 17,512 36,265 8,711 31,754 25,047 10,714 22,087 9,156 16,438	0.0193 0.0380 0.0810 0.0210 0.0816 0.0756 0.0349 0.0742 0.0347 0.0644	0.9807 0.9620 0.9190 0.9790 0.9184 0.9244 0.9651 0.9258 0.9653 0.9356	57.18 56.08 53.95 49.58 48.54 44.58 41.21 39.77 36.82 35.54

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT E	BAND 1929-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5	238,753 226,876 171,880 157,300 135,576 124,761 116,190 94,119 81,410	13,206 53,623 6,969 18,479 7,839 9,771 11,167 12,709 9,527	0.0553 0.2364 0.0405 0.1175 0.0578 0.0783 0.0961 0.1350 0.1170	0.9447 0.7636 0.9595 0.8825 0.9422 0.9217 0.9039 0.8650 0.8830	33.25 31.41 23.99 23.02 20.31 19.14 17.64 15.94 13.79
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	69,973 61,373 55,616 40,052 32,762 29,742 18,960 13,728 13,076 12,823 11,535	8,306 1,377 5,584 4,678 1,906 4,528 652 612 704 4,372	0.1187 0.0224 0.1004 0.1168 0.0582 0.1522 0.0000 0.0475 0.0468 0.0549 0.3790		12.18 10.73 10.49 9.44 8.34 7.85 6.66 6.66 6.34 6.04 5.71
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5 70.5 71.5 72.5 73.5 74.5 75.5	7,163 7,163 7,163 5,352 5,352 5,352 5,352 5,352 3,436 2,854 1,972 1,972 778 778 419	418 1,194 359 419	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.1216 0.0000 0.6054 0.0000 0.4618 1.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.8784 1.0000 0.3946 1.0000 0.5382	3.55 3.55 3.55 3.55 3.55 3.55 3.55 3.55



ORIGINAL CURVE = 1986-2017 EXPERIENCE 1986-2017 PLACEMENTS 25 20 IOWA 10-S3 15 AGE IN YEARS 9 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

PACIFICORP OREGON PROPERTY ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

PLACEMENT 1	BAND 1986-2017		EXPE	RIENCE BAN	D 1986-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	19,747,167 16,270,353 15,356,595 14,675,576 14,243,520 14,159,759 13,998,229 9,161,350	62,245 161,530 914,946 1,260,079	0.0000 0.0000 0.0041 0.0000 0.0000 0.0114 0.0654 0.1375	1.0000 1.0000 0.9959 1.0000 1.0000 0.9886 0.9346 0.8625	100.00 100.00 100.00 99.59 99.59 99.59 98.46 92.02
7.5 8.5	7,901,271 6,137,278	1,201,542 1,381,331	0.1521 0.2251	0.8479 0.7749	79.37 67.30
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5	4,644,450 2,909,603 2,166,626 1,554,530 1,364,126 940,410 253,488 77,090	1,535,369 742,977 435,493 81,383 423,717 163,319	0.3306 0.2554 0.2010 0.0524 0.3106 0.1737 0.0000 0.0000	0.6694 0.7446 0.7990 0.9476 0.6894 0.8263 1.0000 1.0000	52.15 34.91 26.00 20.77 19.68 13.57 11.21 11.21



9 ORIGINAL CURVE ■ 1962-2017 EXPERIENCE 1944-2017 PLACEMENTS 1988-2017 EXPERIENCE 1946-2017 PLACEMENTS 20 40 AGE IN YEARS IOWA 16-L1 20 9 70 8 8 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

OREGON PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT 1	BAND 1944-2017		EXPE	RIENCE BAN	ID 1962-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	52,022,742	13,775	0.0003	0.9997	100.00
0.5	51,733,012	501,786	0.0097	0.9903	99.97
1.5	51,272,981	21,565	0.0004	0.9996	99.00
2.5	49,550,862	103,909	0.0021	0.9979	98.96
3.5	47,907,522	1,127,429	0.0235	0.9765	98.75
4.5	46,410,436	1,814,080	0.0391	0.9609	96.43
5.5	44,356,862	3,772,059	0.0850	0.9150	92.66
6.5	37,831,315	2,244,642	0.0593	0.9407	84.78
7.5	32,006,826	862,498	0.0269	0.9731	79.75
8.5	30,640,052	1,148,506	0.0375	0.9625	77.60
9.5	28,523,759	1,118,242	0.0392	0.9608	74.69
10.5	24,262,124	962,516	0.0397	0.9603	71.77
11.5	20,402,117	1,705,002	0.0836	0.9164	68.92
12.5	16,426,469	1,459,644	0.0889	0.9111	63.16
13.5	14,388,656	1,336,081	0.0929	0.9071	57.55
14.5	12,985,834	1,072,280	0.0826	0.9174	52.20
15.5	10,277,860	911,696	0.0887	0.9113	47.89
16.5	9,205,068	787,018	0.0855	0.9145	43.64
17.5	8,026,098	387,918	0.0483	0.9517	39.91
18.5	7,571,072	774,178	0.1023	0.8977	37.98
19.5	6,211,175	479,287	0.0772	0.9228	34.10
20.5	4,843,894	379,267	0.0783	0.9217	31.47
21.5	4,086,675	296,567	0.0726	0.9274	29.00
22.5	3,562,983	393,158	0.1103	0.8897	26.90
23.5	2,104,217	56,738	0.0270	0.9730	23.93
24.5	1,564,578	50,509	0.0323	0.9677	23.29
25.5	1,379,883	31,838	0.0231	0.9769	22.53
26.5	772,568	42,682	0.0552	0.9448	22.01
27.5	659,007	32,898	0.0499	0.9501	20.80
28.5	626,109	11,016	0.0176	0.9824	19.76
29.5	521,850	82,398	0.1579	0.8421	19.41
30.5	439,452	29,927	0.0681	0.9319	16.35
31.5	409,525	97,685	0.2385	0.7615	15.23
32.5	311,840	51,917	0.1665	0.8335	11.60
33.5	259,924	45,662	0.1757	0.8243	9.67
34.5	214,261		0.0000	1.0000	7.97
35.5	214,261	17,914	0.0836	0.9164	7.97
36.5	164,742	7,665	0.0465	0.9535	7.30
37.5	157,076		0.0000	1.0000	6.96
38.5	133,995	8,045	0.0600	0.9400	6.96



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1944-2017		EXPER	RIENCE BAN	D 1962-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	125,950 124,574 114,104 114,104 114,104 58,646 52,404 47,033 44,461	1,376 10,470 6,245 6,243 5,371 2,572 8,032	0.0109 0.0840 0.0000 0.0000 0.0547 0.1064 0.0000 0.1025 0.0547 0.1807	0.9453 0.8936 1.0000 0.8975	6.55 6.47 5.93 5.93 5.61 5.01 4.50 4.25
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	36,429 36,429 36,429 36,429 18,800 18,800 18,800	17,629 18,800	0.0000 0.0000 0.0000 0.4839 0.0000 0.0000 1.0000	1.0000 1.0000 1.0000 0.5161 1.0000 1.0000	3.48 3.48 3.48 1.80 1.80 1.80



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1946-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	49,207,161 48,897,061 48,448,077 46,685,610 44,975,588 43,455,579 41,605,197 35,196,041 29,538,423 28,540,440	13,775 501,786 103,804 1,127,429 1,814,080 3,771,372 2,181,669 835,641 1,026,545	0.0003 0.0103 0.0000 0.0022 0.0251 0.0417 0.0906 0.0620 0.0283 0.0360	0.9997 0.9897 1.0000 0.9978 0.9749 0.9583 0.9094 0.9380 0.9717 0.9640	100.00 99.97 98.95 98.95 98.73 96.25 92.23 83.87 78.67 76.45
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	26,500,591 22,424,979 18,700,468 15,044,513 13,179,264 12,046,221 9,519,616 8,545,443 7,434,268 7,070,744	992,495 792,936 1,491,455 1,370,477 1,137,583 916,870 836,922 717,555 327,854 724,159	0.0375 0.0354 0.0798 0.0911 0.0863 0.0761 0.0879 0.0840 0.0441 0.1024	0.9625 0.9646 0.9202 0.9089 0.9137 0.9239 0.9121 0.9160 0.9559 0.8976	73.70 70.94 68.43 62.97 57.24 52.30 48.32 44.07 40.37 38.59
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	5,762,524 4,484,653 3,787,036 3,306,687 1,892,043 1,387,406 1,264,064 669,943 567,740 544,037	397,161 346,542 253,224 393,158 37,876 35,443 27,543 42,682 31,368 11,016	0.0689 0.0773 0.0669 0.1189 0.0200 0.0255 0.0218 0.0637 0.0552 0.0202	0.9311 0.9227 0.9331 0.8811 0.9800 0.9745 0.9782 0.9363 0.9448 0.9798	34.63 32.25 29.76 27.77 24.46 23.98 23.36 22.85 21.40 20.22
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	439,779 360,052 340,380 242,696 205,697 171,343 171,343 121,824 145,446 122,365	82,398 29,927 97,685 51,917 45,662 17,914 7,665	0.1874 0.0831 0.2870 0.2139 0.2220 0.0000 0.1045 0.0629 0.0000 0.0657	0.8126 0.9169 0.7130 0.7861 0.7780 1.0000 0.8955 0.9371 1.0000 0.9343	19.81 16.10 14.76 10.52 8.27 6.44 6.44 5.76 5.40

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT H	BAND 1946-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5	115,346 116,542 114,104 114,104	1,376 10,470	0.0119 0.0898 0.0000 0.0000	0.9881 0.9102 1.0000 1.0000	5.04 4.98 4.54 4.54
43.5 44.5 45.5 46.5	114,104 58,646 52,404 52,404	6,245 6,243 5,371	0.0547 0.1064 0.0000 0.1025	0.9453 0.8936 1.0000 0.8975	4.54 4.29 3.83 3.83
47.5 48.5 49.5	47,033 44,461 36,429	2,572 8,032	0.1807 0.0000	0.9453 0.8193 1.0000	3.44 3.25 2.66
50.5 51.5 52.5 53.5	36,429 36,429 36,429 18,800	17,629	0.0000 0.0000 0.4839 0.0000	1.0000 1.0000 0.5161 1.0000	2.66 2.66 2.66 1.37
54.5 55.5 56.5	18,800 18,800 18,800	18,800	0.0000 0.0000 1.0000	1.0000	1.37 1.37 1.37



57.5

WASHINGTON PROPERTY



ORIGINAL CURVE ■ 1971-2017 EXPERIENCE 1944-2016 PLACEMENTS 100 IOWA 55-R3 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



WASHINGTON PROPERTY ACCOUNT 360.2 LAND RIGHTS ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT 1	BAND 1944-2016		EXPER	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	434,264 437,502 395,322 396,773 270,906 251,340 248,187 249,304 254,278 251,306		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	243,805 246,902 249,865 252,229 254,780 257,516 261,395 295,040 294,628 285,561	379 277 306 342 619 626 342 412 287 229	0.0016 0.0011 0.0012 0.0014 0.0024 0.0024 0.0013 0.0014 0.0010	0.9984 0.9989 0.9988 0.9976 0.9976 0.9987 0.9986 0.9990 0.9992	100.00 99.84 99.73 99.61 99.48 99.23 98.99 98.86 98.72 98.63
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	281,524 276,140 271,617 266,959 266,959 266,959 308,623 306,018 299,436	550 2,027 719 2,605 3,089 3,429	0.0020 0.0073 0.0000 0.0000 0.0000 0.0027 0.0084 0.0101 0.0115	0.9980 0.9927 1.0000 1.0000 1.0000 0.9973 0.9916 0.9899 0.9885	98.55 98.36 97.63 97.63 97.63 97.63 97.37 96.55
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	296,007 293,277 210,357 207,307 204,779 199,756 192,787 180,942 171,637 165,822	2,730 3,102 3,049 2,529 2,350 2,148 3,553 3,113 2,766 3,261	0.0092 0.0106 0.0145 0.0122 0.0115 0.0108 0.0184 0.0172 0.0161 0.0197	0.9908 0.9894 0.9855 0.9878 0.9885 0.9892 0.9816 0.9828 0.9839 0.9803	94.48 93.61 92.62 91.28 90.16 89.13 88.17 86.55 85.06 83.69

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT	BAND 1944-2016		EXPER	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	161,511 158,150 154,701 137,692 121,678 108,167 100,201 92,426 86,652 79,124	3,361 2,317 1,923 1,239 2,004 1,992 1,363 3,046 3,180 1,514	0.0208 0.0147 0.0124 0.0090 0.0165 0.0184 0.0136 0.0330 0.0367 0.0191	0.9792 0.9853 0.9876 0.9910 0.9835 0.9816 0.9864 0.9670 0.9633 0.9809	82.04 80.33 79.16 78.17 77.47 76.19 74.79 73.77 71.34 68.72
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	74,817 69,222 63,317 55,819 48,736 9,121 6,258 3,212 1,728	2,670 2,893 3,355 4,506 33,987	0.0357 0.0418 0.0530 0.0807 0.6974 0.0000 0.0000 0.0000	0.9643 0.9582 0.9470 0.9193 0.3026 1.0000 1.0000	67.41 65.00 62.29 58.99 54.22 16.41 16.41 16.41 16.41



ORIGINAL CURVE ■ 1912-2017 EXPERIENCE 1912-2017 PLACEMENTS 100 8 IOWA 60-R2 AGE IN YEARS 4 20 70 30-8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

WASHINGTON PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1912-2017		EXPER	RIENCE BAN	D 1938-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	5,105,657	2 271	0.0000	1.0000	100.00
0.5 1.5	5,076,706 4,915,404	3,371 3,229	0.0007 0.0007	0.9993 0.9993	100.00 99.93
2.5	4,091,816	6,440	0.0007	0.9984	99.87
3.5	2,679,401	58,475	0.0010	0.9782	99.71
4.5	2,600,926	3,737	0.0014	0.9986	97.53
5.5	2,495,055	5,973	0.0024	0.9976	97.39
6.5	2,333,713	11,836	0.0051	0.9949	97.16
7.5	2,322,312	22,275	0.0096	0.9904	96.67
8.5	2,302,474	908	0.0004	0.9996	95.74
9.5	2,300,708	1,496	0.0007	0.9993	95.70
10.5	2,295,021	4,623	0.0020	0.9980	95.64
11.5	2,290,694	31,049	0.0136	0.9864	95.45
12.5	2,221,483	1,658	0.0007	0.9993	94.15
13.5	2,213,182	5,643	0.0025	0.9975	94.08
14.5 15.5	2,068,529 2,041,274	4,316 695	0.0021	0.9979 0.9997	93.84
16.5	2,041,274	095	0.0003	1.0000	93.65 93.62
17.5	2,030,673	916	0.0004	0.9996	93.62
18.5	2,040,737	2,089	0.0010	0.9990	93.58
19.5	1,979,773	11,447	0.0058	0.9942	93.48
20.5	1,952,986	5,294	0.0027	0.9973	92.94
21.5	1,386,296	1,209	0.0009	0.9991	92.69
22.5	1,342,910		0.0000	1.0000	92.61
23.5	1,086,184	9,766	0.0090	0.9910	92.61
24.5	1,081,402	2,493	0.0023	0.9977	91.77
25.5	709,076	62	0.0001	0.9999	91.56
26.5	709,014	1,477	0.0021	0.9979	91.55
27.5 28.5	629,029 570,943	221 1,262	0.0004 0.0022	0.9996 0.9978	91.36 91.33
		•			
29.5 30.5	541,312 524,556	3,168	0.0059	0.9941 0.9975	91.13
31.5	391,247	1,326	0.0025 0.0016		90.60 90.37
32.5	384,042	7,655	0.0010	0.9801	90.22
33.5	375,324	8,057	0.0199	0.9785	88.42
34.5	361,942	1,414	0.0213	0.9961	86.52
35.5	358,809	5,280	0.0033	0.9853	86.18
36.5	344,805	4,052	0.0118	0.9882	84.92
37.5	269,292	2,990	0.0111	0.9889	83.92
38.5	266,302	1,631	0.0061	0.9939	82.99

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1912-2017		EXPE	RIENCE BAN	D 1938-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5	239,377 229,662 204,997 204,228 204,200 203,800 197,013	4,256 12,548 589 401 163 1,019	0.0178 0.0546 0.0029 0.0000 0.0020 0.0008 0.0052	0.9822 0.9454 0.9971 1.0000 0.9980 0.9992 0.9948	82.48 81.01 76.58 76.36 76.36 76.21 76.15
46.5 47.5 48.5	195,994 195,994 184,056	562 9,913	0.0000 0.0029 0.0539	1.0000 0.9971 0.9461	75.76 75.76 75.54
49.5 50.5 51.5 52.5 53.5 54.5	157,489 157,271 153,576 153,576 137,323 130,072 122,797	218 694	0.0014 0.0044 0.0000 0.0000 0.0000 0.0000	0.9986 0.9956 1.0000 1.0000 1.0000 0.9976	71.47 71.38 71.06 71.06 71.06 71.06 71.06
56.5 57.5 58.5	118,194 110,943 100,220	1,866 14,120	0.0158 0.0000 0.1409	0.9842 1.0000 0.8591	70.89 69.77 69.77
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	68,102 64,803 43,856 41,856 31,714 20,870 14,302 11,225 9,083 9,083	700 106 51	0.0000 0.0000 0.0000 0.0000 0.0221 0.0051 0.0036 0.0000 0.0000	1.0000 1.0000 1.0000 0.9779 0.9949 0.9964 1.0000 1.0000	59.94 59.94 59.94 59.94 59.94 58.62 58.32 58.11 58.11
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	7,984 5,427 5,427 5,427 5,321 5,106 5,106 5,079 5,074 4,961	1,035 106 216 5 113	0.1297 0.0000 0.0000 0.0194 0.0405 0.0000 0.0000 0.0010 0.0223 0.0000	0.8703 1.0000 1.0000 0.9806 0.9595 1.0000 1.0000 0.9990 0.9777 1.0000	58.11 50.58 50.58 50.58 49.59 47.59 47.59 47.59 47.54 46.48

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT F	BAND 1912-2017		EXPE	RIENCE BAN	D 1938-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
79.5	4,961		0.0000		46.48
80.5	4,961		0.0000	1.0000	46.48
81.5	4,961		0.0000	1.0000	46.48
82.5	4,961		0.0000	1.0000	46.48
83.5	4,961	34	0.0068	0.9932	46.48
84.5	4,927		0.0000	1.0000	46.16
85.5	4,927		0.0000	1.0000	46.16
86.5	4,694	145	0.0309	0.9691	46.16
87.5	4,549		0.0000	1.0000	44.74
88.5	2,342		0.0000	1.0000	44.74
89.5	2,342		0.0000	1.0000	44.74
90.5	120		0.0000	1.0000	44.74
91.5	120		0.0000	1.0000	44.74
92.5	120		0.0000	1.0000	44.74
93.5	120		0.0000	1.0000	44.74
94.5	120		0.0000	1.0000	44.74
95.5	120		0.0000	1.0000	44.74
96.5	120		0.0000	1.0000	44.74
97.5	120		0.0000	1.0000	44.74
98.5	120		0.0000	1.0000	44.74
99.5	120		0.0000		44.74
100.5	120		0.0000	1.0000	44.74
101.5	120		0.0000	1.0000	44.74
102.5	120		0.0000		44.74
103.5	120		0.0000	1.0000	44.74
104.5					44.74



ORIGINAL CURVE ■ 1937-2017 EXPERIENCE 1907-2017 PLACEMENTS 100 IOWA 54-R1 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



WASHINGTON PROPERTY ACCOUNT 362 STATION EQUIPMENT ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1907-2017		EXPEF	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	82,487,976 80,046,976 75,696,647 66,734,035 57,326,900 55,634,323 54,196,666 52,863,877 51,597,453 50,698,843	84,369 89,162 555,333 413,522 169,351 316,340 776,073 268,036 574,251 314,624	0.0010 0.0011 0.0073 0.0062 0.0030 0.0057 0.0143 0.0051 0.0111 0.0062	0.9990 0.9989 0.9927 0.9938 0.9970 0.9943 0.9857 0.9949 0.9889	100.00 99.90 99.79 99.05 98.44 98.15 97.59 96.19 95.71 94.64
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	47,399,058 46,804,235 45,867,650 44,566,720 43,595,367 42,037,491 41,215,432 40,441,797 39,762,526 39,196,455	155,832 205,838 201,678 207,281 237,577 206,798 175,848 228,983 156,364 249,589	0.0033 0.0044 0.0044 0.0047 0.0054 0.0049 0.0043 0.0057 0.0039 0.0064	0.9967 0.9956 0.9956 0.9953 0.9946 0.9951 0.9957 0.9943 0.9961 0.9936	94.05 93.74 93.33 92.92 92.49 91.99 91.53 91.14 90.63 90.27
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	36,814,372 34,413,502 30,844,940 29,365,155 26,493,040 24,957,670 21,212,773 17,164,243 14,761,369 14,120,485	332,324 119,993 98,645 309,277 311,043 249,495 210,496 290,150 113,077 164,370	0.0090 0.0035 0.0032 0.0105 0.0117 0.0100 0.0099 0.0169 0.0077 0.0116	0.9910 0.9965 0.9968 0.9895 0.9883 0.9900 0.9901 0.9831 0.9923 0.9884	89.70 88.89 88.58 88.29 87.36 86.34 85.47 84.63 83.20 82.56
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	13,804,063 13,366,313 12,426,012 12,037,056 11,874,473 11,553,604 10,253,934 9,744,445 7,866,574 7,372,498	359,359 165,181 131,773 145,810 158,313 121,138 107,290 72,455 256,472 55,402	0.0260 0.0124 0.0106 0.0121 0.0133 0.0105 0.0105 0.0074 0.0326 0.0075	0.9740 0.9876 0.9894 0.9879 0.9867 0.9895 0.9895 0.9926 0.9674 0.9925	81.60 79.47 78.49 77.66 76.72 75.69 74.90 74.12 73.57 71.17

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1907-2017		EXPE	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	6,712,103 6,247,654 5,418,711 5,201,650 4,982,565 4,736,768 4,466,381 4,431,992 4,331,021 4,077,460	141,519 299,176 126,192 67,960 94,996 26,992 30,225 43,411 55,597 32,913	0.0211 0.0479 0.0233 0.0131 0.0191 0.0057 0.0068 0.0098 0.0128 0.0081	0.9789 0.9521 0.9767 0.9869 0.9809 0.9943 0.9932 0.9902 0.9872 0.9919	70.63 69.14 65.83 64.30 63.46 62.25 61.89 61.48 60.87 60.09
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	3,889,272 3,543,000 3,305,083 3,224,514 3,078,701 2,781,743 2,519,015 2,369,035 2,138,779 2,097,795	45,240 32,658 29,114 20,970 98,537 21,242 27,085 25,058 6,776 15,410	0.0116 0.0092 0.0088 0.0065 0.0320 0.0076 0.0108 0.0106 0.0032 0.0073	0.9884 0.9908 0.9912 0.9935 0.9680 0.9924 0.9892 0.9894 0.9968 0.9927	59.61 58.91 58.37 57.86 57.48 55.64 55.22 54.62 54.04 53.87
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	1,971,194 1,642,536 1,347,981 1,221,486 913,510 459,186 346,506 147,950 91,980 41,202	23,208 3,220 46,065 612 10,892 1,900 825 29,595 156 120	0.0118 0.0020 0.0342 0.0005 0.0119 0.0041 0.0024 0.2000 0.0017 0.0029	0.9882 0.9980 0.9658 0.9995 0.9881 0.9959 0.9976 0.8000 0.9983 0.9971	53.48 52.85 52.74 50.94 50.92 50.31 50.10 49.98 39.98
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	22,276 10,284 1,170 1,010 1,010 820 820 760 760 534	415 190 60 227	0.0187 0.0000 0.0000 0.0000 0.1878 0.0000 0.0729 0.0000 0.2980 0.0000	0.9813 1.0000 1.0000 0.8122 1.0000 0.9271 1.0000 0.7020 1.0000	39.80 39.06 39.06 39.06 39.06 31.72 31.72 29.41 29.41 20.64

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1907-2017		EXPER	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5	534 179 179	355	0.6654 0.0000 0.0000	0.3346 1.0000 1.0000	20.64 6.91 6.91
82.5 83.5 84.5 85.5 86.5 87.5	179 58 58 58 58	121	0.6776 0.0000 0.0000 0.0000 0.0000	0.3224 1.0000 1.0000 1.0000 1.0000	6.91 2.23 2.23 2.23 2.23 2.23



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1946-2017 PLACEMENTS 100 IOWA 55-R1.5 ACCOUNT 364 POLES, TOWERS AND FIXTURES 8 ORIGINAL AND SMOOTH SURVIVOR CURVES WASHINGTON PROPERTY AGE IN YEARS 4 20 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



PACIFICORP

ACCOUNT 364 POLES, TOWERS AND FIXTURES

PLACEMENT H	BAND 1946-2017		EXPER	RIENCE BAN	TD 1967-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	113,318,584	204,788	0.0018	0.9982	100.00
0.5	110,394,487	701,563	0.0064	0.9936	99.82
1.5	106,578,600	680,952	0.0064	0.9936	99.18
2.5	103,163,532	459,587	0.0045	0.9955	98.55
3.5	100,973,525	553,793	0.0055	0.9945	98.11
4.5	97,816,066	418,006	0.0043	0.9957	97.57
5.5	95,701,868	437,361	0.0046	0.9954	97.16
6.5	93,148,950	515,213	0.0055	0.9945	96.71
7.5	90,561,913	460,960	0.0051	0.9949	96.18
8.5	87,860,324	373,368	0.0042	0.9958	95.69
9.5	84,601,968	374,255	0.0044	0.9956	95.28
10.5	81,483,538	396,964	0.0049	0.9951	94.86
11.5	78,938,108	371,106	0.0047	0.9953	94.40
12.5	76,711,255	324,335	0.0042	0.9958	93.95
13.5	74,373,721	405,097	0.0054	0.9946	93.56
14.5	70,670,019	333,546	0.0047	0.9953	93.05
15.5	67,254,146	284,309	0.0042	0.9958	92.61
16.5	64,153,354	279,109	0.0044	0.9956	92.22
17.5	60,557,896	257,367	0.0042	0.9958	91.82
18.5	57,042,301	220,455	0.0039	0.9961	91.43
19.5	52,974,314	249,618	0.0047	0.9953	91.07
20.5	48,491,009	283,653	0.0058	0.9942	90.64
21.5	43,860,434	284,576	0.0065	0.9935	90.11
22.5	38,634,608	310,636	0.0080	0.9920	89.53
23.5	33,926,299	308,764	0.0091	0.9909	88.81
24.5	29,615,126	265,050	0.0089	0.9911	88.00
25.5	26,925,585	231,263	0.0086	0.9914	87.21
26.5	24,096,962	318,119	0.0132	0.9868	86.46
27.5	23,143,353	263,437	0.0114	0.9886	85.32
28.5	21,730,776	193,473	0.0089	0.9911	84.35
29.5	20,403,064	198,739	0.0097	0.9903	83.60
30.5	18,980,831	179,144	0.0094	0.9906	82.79
31.5	17,920,131	158,791	0.0089	0.9911	82.00
32.5	16,742,042	162,834	0.0097	0.9903	81.28
33.5	15,629,427	167,358	0.0107	0.9893	80.49
34.5	14,652,396	158,392	0.0108	0.9892	79.63
35.5	13,408,825	90,920	0.0068	0.9932	78.76
36.5	12,439,717	76,524	0.0062	0.9938	78.23
37.5	11,205,994	115,447	0.0103	0.9897	77.75
38.5	10,280,875	136,194	0.0132	0.9868	76.95

ACCOUNT 364 POLES, TOWERS AND FIXTURES

PLACEMENT	BAND 1946-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	9,409,352 8,673,173 8,097,788 7,615,904 7,053,721 6,515,603 6,053,259 5,504,793 5,014,119 4,545,146	114,551 87,685 94,306 114,837 77,771 117,017 184,334 123,093 165,596	0.0122 0.0101 0.0116 0.0151 0.0110 0.0180 0.0305 0.0224 0.0330 0.0222	0.9878 0.9899 0.9884 0.9849 0.9890 0.9820 0.9695 0.9776 0.9670	75.93 75.00 74.25 73.38 72.28 71.48 70.19 68.06 66.54 64.34
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	4,146,355 3,614,074 3,254,898 2,935,758 2,650,125 2,370,385 2,179,900 1,989,370 1,814,974 1,682,434	274,310 84,472 83,074 44,037 37,972 24,673 17,633 18,355 15,155 11,331	0.0662 0.0234 0.0255 0.0150 0.0143 0.0104 0.0081 0.0092 0.0083 0.0067	0.9338 0.9766 0.9745 0.9850 0.9857 0.9896 0.9919 0.9908 0.9917 0.9933	62.91 58.75 57.38 55.91 55.07 54.28 53.72 53.28 52.79 52.35
59.5 60.5 61.5 62.5 63.5	1,563,812 1,414,113 1,244,911 1,084,540	11,006 14,808 13,327 10,712	0.0070 0.0105 0.0107 0.0099	0.9930 0.9895 0.9893 0.9901	52.00 51.63 51.09 50.55 50.05



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1945-2017 PLACEMENTS 100 IOV/VA 60-R1.5 8 AGE IN YEARS 4 20 70 30-8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

WASHINGTON PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1945-2017 EXPERIENCE BAND 1967-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF DURING AGE RETMT SURV BEGIN OF INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 74,877,698 54,357 0.0007 0.9993 100.00 0.5 73,120,409 407,321 0.0056 0.9944 99.93 69,667,542 481,563 1.5 0.0069 0.9931 99.37 2.5 66,558,191 313,091 0.0047 0.9953 98.68 3.5 64,207,052 98.22 374,782 0.0058 0.9942 4.5 62,844,752 586,241 0.0093 0.9907 97.65 60,752,267 5.5 543,689 0.0089 96.74 0.9911 6.5 59,326,448 377,158 0.0064 0.9936 95.87 7.5 95.26 58,682,660 294,248 0.0050 0.9950 8.5 275,593 0.0048 57,788,283 0.9952 94.78 9.5 56,090,468 309,664 0.0055 0.9945 94.33 0.0108 10.5 54,151,603 93.81 582,200 0.9892 92.80 11.5 53,384,734 320,094 0.0060 0.9940 12.5 52,661,301 261,024 0.0050 0.9950 92.24 51,639,552 13.5 281,659 0.0055 0.9945 91.79 14.5 50,073,060 297,178 0.0059 91.29 0.9941 15.5 48,435,276 224,188 0.0046 0.9954 90.75 16.5 47,328,824 150,128 0.0032 0.9968 90.33 17.5 45,399,325 265,487 0.0058 0.9942 90.04 18.5 43,897,931 171,089 0.0039 0.9961 89.51 19.5 41,699,767 122,167 0.0029 0.9971 89.16 20.5 39,115,093 162,583 0.0042 0.9958 88.90 21.5 38,044,861 200,890 0.0053 88.53 0.9947 22.5 36,249,865 189,765 0.0052 0.9948 88.07 23.5 33,896,145 180,104 0.0053 0.9947 87.60 24.5 30,752,179 193,819 0.0063 0.9937 87.14 25.5 28,527,521 166,470 0.0058 0.9942 86.59 26.5 26,371,499 243,319 0.0092 0.9908 86.08 27.5 25,582,417 178,266 0.0070 0.9930 85.29 28.5 24,722,104 137,361 0.0056 0.9944 84.70 29.5 23,523,225 146,129 0.0062 0.9938 84.22 30.5 22,287,574 156,248 0.0070 0.9930 83.70 31.5 21,099,903 93,610 0.0044 0.9956 83.11 32.5 19,911,888 95,532 0.0048 0.9952 82.75 33.5 18,617,892 79,428 0.0043 0.9957 82.35 34.5 17,689,314 134,143 0.0076 0.9924 82.00 35.5 15,710,956 99,278 0.0063 0.9937 81.38 36.5 13,943,535 60,439 0.0043 0.9957 80.86 12,083,701 37.5 56,412 0.0047 0.9953 80.51 38.5 11,001,859 78,700 0.0072 0.9928 80.14



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT I	BAND 1945-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5 40.5	9,887,751 8,975,357	69,659 57,303	0.0070 0.0064	0.9930 0.9936	79.56 79.00
41.5	8,185,775	60,008	0.0073	0.9927	78.50
42.5	7,555,045	48,007	0.0064	0.9936	77.92
43.5	6,949,128	90,814	0.0131	0.9869	77.43
44.5	6,330,041	64,461	0.0102	0.9898	76.41
45.5	5,901,658	107,178	0.0182	0.9818	75.64
46.5	5,471,790	40,437	0.0074	0.9926	74.26
47.5	5,077,320	72,391	0.0143	0.9857	73.71
48.5	4,710,704	63,002	0.0134	0.9866	72.66
49.5	4,342,360	37,259	0.0086	0.9914	71.69
50.5	4,025,170	41,306	0.0103	0.9897	71.08
51.5	3,719,352	25,064	0.0067	0.9933	70.35
52.5	3,485,075	48,600	0.0139	0.9861	69.87
53.5	3,129,637	19,361	0.0062	0.9938	68.90
54.5	2,850,297	11,518	0.0040	0.9960	68.47
55.5	2,676,868	17,235	0.0064	0.9936	68.20
56.5	2,476,385	13,981	0.0056	0.9944	67.76
57.5	2,299,354	12,669	0.0055	0.9945	67.37
58.5	2,132,699	13,548	0.0064	0.9936	67.00
59.5	2,015,451	8,563	0.0042	0.9958	66.58
60.5	1,829,097	12,114	0.0066	0.9934	66.29
61.5	1,646,641	15,269	0.0093	0.9907	65.86
62.5	1,455,645	6,361	0.0044	0.9956	65.24



63.5

64.96

ORIGINAL CURVE ■ 1948-2017 EXPERIENCE 1921-2017 PLACEMENTS 100 IOWA 55-R3 8 AGE IN YEARS 4 20 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



MASHINGTON PROPERTY
ACCOUNT 366 UNDERGROUND CONDUIT
ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 366 UNDERGROUND CONDUIT

PLACEMENT	BAND 1921-2017		EXPER	RIENCE BAN	D 1948-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	19,356,901 18,745,985 18,387,832 17,986,086 17,278,076 17,088,457 16,774,349 16,034,821 15,447,993 14,961,862	12,290 54,003 109,103 56,820 24,601 14,399 63,218 26,497 15,068 9,391	0.0006 0.0029 0.0059 0.0032 0.0014 0.0008 0.0038 0.0017 0.0010	0.9994 0.9971 0.9941 0.9968 0.9986 0.9992 0.9962 0.9983 0.9990	100.00 99.94 99.65 99.06 98.74 98.60 98.52 98.15 97.99 97.89
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	14,392,042 13,907,895 13,646,682 12,637,444 12,115,186 11,866,017 11,588,918 10,548,718 10,272,283 10,127,609	21,200 21,498 15,557 18,808 9,303 14,253 15,482 7,455 8,912 9,798	0.0015 0.0015 0.0011 0.0015 0.0008 0.0012 0.0013 0.0007 0.0009 0.0010	0.9985 0.9985 0.9989 0.9985 0.9992 0.9988 0.9987 0.9993 0.9991	97.83 97.69 97.54 97.42 97.28 97.20 97.09 96.96 96.89
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	9,474,969 8,954,227 8,219,152 7,299,276 5,524,907 4,196,929 3,608,291 2,891,383 2,521,568 2,236,160	2,540 3,908 3,341 3,507 6,264 3,912 1,579 3,711 1,220 2,583	0.0003 0.0004 0.0004 0.0005 0.0011 0.0009 0.0004 0.0013 0.0005 0.0012	0.9997 0.9996 0.9996 0.9995 0.9989 0.9991 0.9996 0.9987 0.9995	96.71 96.69 96.64 96.60 96.56 96.45 96.36 96.32 96.19
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	2,046,172 1,791,642 1,571,093 1,311,700 1,170,640 1,031,240 912,943 791,064 656,941 538,909	2,514 6,578 2,122 3,331 1,746 2,290 4,812 16,088 17,432 15,488	0.0012 0.0037 0.0014 0.0025 0.0015 0.0022 0.0053 0.0203 0.0265 0.0287	0.9988 0.9963 0.9986 0.9975 0.9985 0.9978 0.9947 0.9797 0.9735 0.9713	96.03 95.92 95.56 95.44 95.19 95.05 94.84 94.34 92.42 89.97

ACCOUNT 366 UNDERGROUND CONDUIT

PLACEMENT BAND 1921-2017 EXPERIENCE BAND 1948-20					D 1948-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5	406,227 339,955 268,892 216,049 172,086 145,312 121,241 35,382 16,075 3,520	4,193 2,503 12,784 5,420 2,874 6,527 1,219 95 116	0.0103 0.0074 0.0475 0.0251 0.0167 0.0449 0.0101 0.0027 0.0072	0.9897 0.9926 0.9525 0.9749 0.9833 0.9551 0.9899 0.9973 0.9928	87.38 86.48 85.85 81.76 79.71 78.38 74.86 74.11 73.91 73.38
49.5 50.5 51.5 52.5 53.5	1,592 791 791 791	791	0.0135 0.0000 0.0000	0.9865 1.0000 1.0000	73.25 72.26 72.26 72.26



ORIGINAL CURVE ■ 1948-2017 EXPERIENCE 1921-2017 PLACEMENTS 100 IOWA 55-R3 8 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS 4 20 70 8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

WASHINGTON PROPERTY

PACIFICORP

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1921-2017		EXPER	RIENCE BAN	D 1948-2017
AGE AT BEGIN OF		RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	29,574,923 28,189,045	43,437 54,269	0.0015 0.0019	0.9985 0.9981	100.00 99.85
1.5	26,835,754	43,999	0.0016	0.9984	99.66
2.5	25,713,932	132,661	0.0052	0.9948	99.50
3.5	24,497,558	47,204	0.0019	0.9981	98.98
4.5	24,013,622	37,851	0.0016	0.9984	98.79
5.5	23,621,576	240,321	0.0102	0.9898	98.64
6.5	21,896,917	45,688	0.0021	0.9979	97.63
7.5	21,250,784	19,778	0.0009	0.9991	97.43
8.5	20,109,033	30,237	0.0015	0.9985	97.34
9.5	19,055,096	27,117	0.0014	0.9986	97.19
10.5	17,849,597	46,019	0.0026	0.9974	97.06
11.5	17,010,896	42,881	0.0025	0.9975	96.80
12.5	15,887,844	22,124	0.0014	0.9986	96.56
13.5	14,784,700	14,863	0.0010	0.9990	96.43
14.5	13,940,810	30,192	0.0022	0.9978	96.33
15.5	13,341,438	37,800	0.0028	0.9972	96.12
16.5	12,286,195	27,646	0.0023	0.9977	95.85
17.5	11,559,125	13,166	0.0011	0.9989	95.63
18.5	11,054,426	39,403	0.0036	0.9964	95.52
19.5	10,179,156	16,793	0.0016	0.9984	95.18
20.5	9,063,170	19,852	0.0022	0.9978	95.03
21.5	8,116,704	13,502	0.0017	0.9983	94.82
22.5	7,100,559	12,398	0.0017	0.9983	94.66
23.5	6,737,611	9,919	0.0015	0.9985	94.50
24.5	6,022,531	22,911	0.0038	0.9962	94.36
25.5	5,209,627	8,234	0.0016	0.9984	94.00
26.5	4,400,207	10,138	0.0023	0.9977	93.85
27.5	4,275,489	15,368	0.0036	0.9964	93.63
28.5	4,016,764	10,529	0.0026	0.9974	93.30
29.5	3,812,973	4,442	0.0012	0.9988	93.05
30.5	3,611,577	22,371	0.0062	0.9938	92.94
31.5	3,401,908	21,728	0.0064	0.9936	92.37
32.5	3,129,274	11,994	0.0038	0.9962	91.78
33.5	2,912,597	6,250	0.0021	0.9979	91.43
34.5	2,698,084	9,580	0.0036	0.9964	91.23
35.5	2,512,520	15,722	0.0063	0.9937	90.91
36.5	2,212,045	10,029	0.0045	0.9955	90.34
37.5	1,915,635	17,285	0.0090	0.9910	89.93
38.5	1,565,772	8,414	0.0054	0.9946	89.12



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1921-2017		EXPER	RIENCE BAN	D 1948-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	1,198,228 923,215 691,526 572,765 479,999 349,554 263,700 123,574 101,509	7,644 8,557 13,443 7,234 2,730 6,616 6,865 3,088 1,701	0.0064 0.0093 0.0194 0.0126 0.0057 0.0189 0.0260 0.0250 0.0168	0.9806 0.9874	88.64 88.07 87.25 85.56 84.48 84.00 82.41 80.26 78.26
48.5	72,487 52,932	737 173	0.0103	0.9898	76.26 76.95 76.16
50.5 51.5 52.5	34,321 19,909	173 157 152	0.0046	0.9954	75.91 75.57 74.99



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1922-2017 PLACEMENTS 100 8 ORIGINAL AND SMOOTH SURVIVOR CURVES **IOWA 45-R2** AGE IN YEARS 4 20 70 8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



WASHINGTON PROPERTY ACCOUNT 368 LINE TRANSFORMERS

PACIFICORP

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1922-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	127,225,135 124,355,336 120,327,076 115,623,192 112,281,692 108,775,166 105,494,957 101,746,122	242,464 881,541 960,507 693,920 740,660 608,092 604,391 586,204	0.0019 0.0071 0.0080 0.0060 0.0066 0.0056 0.0057 0.0058	0.9981 0.9929 0.9920 0.9940 0.9934 0.9944 0.9943	100.00 99.81 99.10 98.31 97.72 97.08 96.53 95.98
7.5 8.5 9.5	98,093,721 94,109,472 89,459,427	474,651 387,449 454,099	0.0048 0.0041 0.0051	0.9952 0.9959 0.9949	95.43 94.97 94.57
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5 19.5 20.5 21.5	89,459,427 85,223,897 82,884,528 79,293,881 76,448,103 73,722,903 71,275,432 68,760,111 65,492,443 63,198,956 62,029,109 59,800,380 58,027,557	454,099 400,628 376,198 288,494 369,843 289,363 268,428 266,952 217,517 218,165 224,716 190,755 211,634	0.0051 0.0047 0.0045 0.0036 0.0039 0.0038 0.0039 0.0035 0.0035	0.9949 0.9953 0.9955 0.9964 0.9952 0.9961 0.9965 0.9965 0.9965	94.57 94.09 93.65 93.23 92.89 92.44 92.08 91.73 91.37 91.07 90.76 90.43 90.14
22.5 23.5 24.5 25.5 26.5 27.5 28.5	55,062,454 51,035,561 48,193,664 44,834,275 41,058,714 37,782,620 34,943,004	333,763 349,191 366,149 379,673 462,662 473,955 430,001	0.0061 0.0068 0.0076 0.0085 0.0113 0.0125 0.0123	0.9939 0.9932 0.9924 0.9915 0.9887 0.9875	89.81 89.26 88.65 87.98 87.24 86.25 85.17
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	32,185,024 29,268,839 26,966,152 24,512,012 21,273,478 19,467,659 17,371,204 15,685,728 13,843,969 11,707,418	360,338 306,580 248,746 205,162 170,124 129,316 164,305 226,601 101,243 95,810	0.0112 0.0105 0.0092 0.0084 0.0080 0.0066 0.0095 0.0144 0.0073 0.0082	0.9888 0.9895 0.9908 0.9916 0.9920 0.9934 0.9905 0.9856 0.9927 0.9918	84.12 83.18 82.31 81.55 80.87 80.22 79.69 78.93 77.79 77.22

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1922-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5	10,051,065 8,777,758 7,825,663 7,086,673 6,293,452 5,434,769 4,555,858	43,934 48,993 124,199 87,054 126,033 265,825 638,877	0.0044 0.0056 0.0159 0.0123 0.0200 0.0489 0.1402	0.9956 0.9944 0.9841 0.9877 0.9800 0.9511 0.8598	76.59 76.26 75.83 74.63 73.71 72.24 68.70
46.5 47.5 48.5	3,386,419 2,551,956 2,080,054	391,076 201,532 119,103	0.1155 0.0790 0.0573	0.8845 0.9210 0.9427	59.07 52.25 48.12
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	1,726,681 1,387,378 1,073,697 922,255 754,313 518,324 433,551 338,604 235,170 209,835	180,574 206,038 50,995 56,764 119,210 49,478 57,139 64,205 12,255 25,408	0.1046 0.1485 0.0475 0.0615 0.1580 0.0955 0.1318 0.1896 0.0521 0.1211	0.8954 0.8515 0.9525 0.9385 0.8420 0.9045 0.8682 0.8104 0.9479 0.8789	45.37 40.62 34.59 32.95 30.92 26.03 23.55 20.44 16.57 15.70
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	172,776 150,513 131,830 114,299 94,637 90,896 82,327 73,781 73,781 68,604	20,274 18,381 17,531 3,740 8,569 8,546 5,177 1,343	0.1173 0.1221 0.1330 0.0000 0.0395 0.0943 0.1038 0.0000 0.0702 0.0196	0.8827 0.8779 0.8670 1.0000 0.9605 0.9057 0.8962 1.0000 0.9298 0.9804	13.80 12.18 10.70 9.27 9.27 8.91 8.07 7.23 7.23 6.72
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	57,174 42,848 35,024 24,284 15,038 12,473 10,768 9,079 8,357 6,085	1,488 1,580 7,373 5,158 660 1,073 1,143 98 1,740	0.0260 0.0369 0.2105 0.2124 0.0439 0.0861 0.1061 0.0108 0.2082 0.0196	0.9740 0.9631 0.7895 0.7876 0.9561 0.9139 0.8939 0.9892 0.7918 0.9804	6.59 6.42 6.18 4.88 3.84 3.68 3.36 3.00 2.97 2.35



ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1922-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
79.5	5,644	455	0.0807	0.9193	2.31
80.5	4,640	609	0.1313	0.8687	2.12
81.5	2,565	1,201	0.4682	0.5318	1.84
82.5	1,364		0.0000	1.0000	0.98
83.5	1,364	147	0.1077	0.8923	0.98
84.5	1,217		0.0000	1.0000	0.87
85.5	952		0.0000	1.0000	0.87
86.5	952	321	0.3373	0.6627	0.87
87.5	631		0.0000	1.0000	0.58
88.5	511		0.0000	1.0000	0.58
89.5 90.5	511		0.0000	1.0000	0.58 0.58



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1948-2017 PLACEMENTS 100 IOWA 60-R1 8 AGE IN YEARS 4 20 70 20-8 8 09 20 РЕКСЕИТ ЅИВУІУІИĠ



WASHINGTON PROPERTY ACCOUNT 369.1 OVERHEAD SERVICES ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 369.1 OVERHEAD SERVICES

PLACEMENT	BAND 1948-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	23,329,828 22,769,972 21,688,498 21,030,538 20,568,943 19,983,016 19,271,027 18,453,239 17,652,124 16,828,216	27,808 418,940 132,727 95,085 107,772 99,514 84,365 93,937 92,467 88,695	0.0012 0.0184 0.0061 0.0045 0.0052 0.0050 0.0044 0.0051 0.0052 0.0053	0.9988 0.9816 0.9939 0.9955 0.9948 0.9950 0.9956 0.9949 0.9948	100.00 99.88 98.04 97.44 97.00 96.49 96.01 95.59 95.11 94.61
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	16,145,739 15,460,039 15,036,528 14,288,664 13,710,023 13,244,750 12,721,068 12,604,970 11,052,229 11,258,732	88,560 94,699 92,859 81,479 73,616 71,511 65,668 61,290 54,576	0.0055 0.0061 0.0062 0.0057 0.0054 0.0054 0.0052 0.0049 0.0049	0.9945 0.9939 0.9938 0.9943 0.9946 0.9946 0.9951 0.9951 0.9910	94.11 93.59 93.02 92.45 91.92 91.43 90.93 90.46 90.02 89.58
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	10,562,165 10,206,769 9,625,297 9,157,064 8,488,209 8,172,820 7,850,755 7,394,628 7,046,344 6,828,479	110,450 104,872 108,334 85,779 88,404 109,797 67,456 56,919 50,831 46,643	0.0105 0.0103 0.0113 0.0094 0.0104 0.0134 0.0086 0.0077 0.0072	0.9895 0.9897 0.9887 0.9906 0.9896 0.9866 0.9914 0.9923 0.9928	88.77 87.85 86.94 85.97 85.16 84.27 83.14 82.43 81.79 81.20
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	6,572,340 6,310,940 5,880,839 5,600,640 5,333,426 5,044,944 4,705,450 4,369,158 4,049,541 3,730,556	43,777 36,426 18,181 17,233 23,102 18,473 10,494 18,445 13,827 14,593	0.0067 0.0058 0.0031 0.0031 0.0043 0.0037 0.0022 0.0042 0.0034 0.0039	0.9933 0.9942 0.9969 0.9969 0.9957 0.9963 0.9978 0.9958 0.9966	80.65 80.11 79.65 79.40 79.16 78.81 78.53 78.35 78.02 77.75

ACCOUNT 369.1 OVERHEAD SERVICES

PLACEMENT 1	BAND 1948-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	3,448,876 3,189,163 2,957,118 2,768,116 2,576,545 2,388,025 2,198,835 2,031,494 1,871,913 1,722,327	18,756 14,431 6,864 11,462 18,261 18,330 5,731 3,218 4,948 3,384	0.0054 0.0045 0.0023 0.0041 0.0071 0.0077 0.0026 0.0016 0.0026	0.9946 0.9955 0.9977 0.9959 0.9929 0.9923 0.9974 0.9984 0.9974	77.45 77.03 76.68 76.50 76.19 75.65 75.06 74.87 74.75 74.55
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	1,570,106 1,421,775 1,299,965 1,122,316 912,086 735,808 587,420 463,689 319,425 195,357	1,622 644 30,626 36,238 14,076 24,363 13,201 18,552 10,939 11,726	0.0010 0.0005 0.0236 0.0323 0.0154 0.0331 0.0225 0.0400 0.0342 0.0600	0.9990 0.9995 0.9764 0.9677 0.9846 0.9669 0.9775 0.9600 0.9658 0.9400	74.41 74.33 74.30 72.55 70.20 69.12 66.83 65.33 62.72 60.57
59.5 60.5 61.5 62.5 63.5	121,968 104,991 86,968 68,799	2,513 2,199 2,749 2,278	0.0206 0.0209 0.0316 0.0331	0.9794 0.9791 0.9684 0.9669	56.93 55.76 54.59 52.87 51.12



ORIGINAL CURVE ■ 1946-2017 EXPERIENCE 1946-2017 PLACEMENTS 100 IOWA 55-R4 8 AGE IN YEARS 4 20 70 8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



MASHINGTON PROPERTY ACCOUNT 369.2 UNDERGROUND SERVICES ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP

ACCOUNT 369.2 UNDERGROUND SERVICES

PLACEMENT	BAND 1946-2017		EXPER	RIENCE BAN	D 1948-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0 0.5	40,948,551 39,590,545	25,329 104,363	0.0006 0.0026	0.9994 0.9974	100.00 99.94
1.5	37,946,930	78,275	0.0021	0.9979	99.67
2.5	36,642,781	38,564	0.0011	0.9989	99.47
3.5	35,387,140	38,092	0.0011	0.9989	99.36
4.5	34,063,696	27,171	0.0008	0.9992	99.26
5.5	33,016,226	44,529	0.0013	0.9987	99.18
6.5	31,862,523	23,141	0.0007	0.9993	99.04
7.5	30,574,742	39,749	0.0013	0.9987	98.97
8.5	29,127,568	19,865	0.0007	0.9993	98.84
9.5	27,286,642	24,394	0.0009	0.9991	98.78
10.5	25,187,016	22,151	0.0009	0.9991	98.69
11.5	23,665,572	24,612	0.0010	0.9990	98.60
12.5	21,851,424	20,627	0.0009	0.9991	98.50
13.5	20,121,765	27,343	0.0014	0.9986	98.41
14.5	18,785,036	23,843	0.0013	0.9987	98.27
15.5	17,687,456	16,983	0.0010	0.9990	98.15
16.5	17,140,853	16,099	0.0009	0.9991	98.05
17.5	14,593,883	16,126	0.0011	0.9989	97.96
18.5	13,560,019	17,585	0.0013	0.9987	97.85
19.5	12,216,265	11,093	0.0009	0.9991	97.73
20.5	11,085,035	6,862	0.0006	0.9994	97.64
21.5	9,845,592	11,824	0.0012	0.9988	97.58
22.5	8,870,779	8,382	0.0009	0.9991	97.46
23.5	7,570,921	3,602	0.0005	0.9995	97.37
24.5	6,826,374	6,586	0.0010	0.9990	97.32
25.5	6,379,797	2,334	0.0004	0.9996	97.23
26.5	5,425,022	661	0.0001	0.9999	97.19
27.5	4,900,732	2,219	0.0005	0.9995	97.18
28.5	4,625,120	1,634	0.0004	0.9996	97.14
29.5	4,343,514	1,623	0.0004	0.9996	97.10
30.5	4,052,907	2,149	0.0005	0.9995	97.07
31.5	3,601,114	2,255	0.0006	0.9994	97.01
32.5	3,106,158	2,434	0.0008	0.9992	96.95
33.5	2,670,445	1,220	0.0005	0.9995	96.88
34.5	2,405,840	820	0.0003	0.9997	96.83
35.5	2,157,391	2,825	0.0013	0.9987	96.80
36.5	1,946,248	3,252	0.0017	0.9983	96.67
37.5	1,728,381	3,658	0.0021	0.9979	96.51
38.5	1,389,321	49	0.0000	1.0000	96.31



ACCOUNT 369.2 UNDERGROUND SERVICES

PLACEMENT	BAND 1946-2017		EXPER	RIENCE BAN	D 1948-2017
AGE AT	EXPOSURES AT	RETIREMENTS		~	PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	1,078,770	354	0.0003	0.9997	96.30
40.5	778,965	317	0.0004	0.9996	96.27
41.5	562,627	476	0.0008	0.9992	96.23
42.5	425,799	720	0.0017	0.9983	96.15
43.5	318,829	6,431	0.0202	0.9798	95.99
44.5	227,508	10,834	0.0476	0.9524	94.05
45.5	172,376	3,688	0.0214	0.9786	89.57
46.5	127,911	11,324	0.0885	0.9115	87.66
47.5	101,929	9,845	0.0966	0.9034	79.90
48.5	76,753	3,309	0.0431	0.9569	72.18
49.5	44,213	8,481	0.1918	0.8082	69.07
50.5	22,598	1,363	0.0603	0.9397	55.82
51.5	4,392	1,895	0.4314	0.5686	52.45
52.5	1,145	13	0.0115	0.9885	29.82
53.5	1,131	1,131	1.0000		29.48
54.5					



ORIGINAL CURVE ■ 1953-2017 EXPERIENCE 1953-2016 PLACEMENTS 100 ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES 8 ORIGINAL AND SMOOTH SURVIVOR CURVES WASHINGTON PROPERTY AGE IN YEARS PACIFICORP IOWA 30-L0 4 20 90 80 70 30-09 20 20 РЕВСЕИТ ЗИВУІЛІИС



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

PLACEMENT	BAND 1953-2016		EXPEF	RIENCE BAN	D 1958-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0 0.5	1,235,590 1,235,590	60,800	0.0000 0.0492	1.0000 0.9508	100.00 100.00
1.5	1,174,366	47,007	0.0400	0.9600	95.08
2.5	1,127,359	51,882	0.0460	0.9540	91.27
3.5	1,071,574	56,295	0.0525	0.9475	87.07
4.5	1,018,220	49,089	0.0482	0.9518	82.50
5.5	969,131	39,174	0.0404	0.9596	78.52
6.5	929,957	44,552	0.0479	0.9521	75.35
7.5	884,074	35,150	0.0398	0.9602	71.74
8.5	848,412	29,306	0.0345	0.9655	68.89
9.5	818,774	30,637	0.0374	0.9626	66.51
10.5	786,333	25,231	0.0321	0.9679	64.02
11.5	760,451	22,755	0.0299	0.9701	61.96
12.5	737,696	22,667	0.0307	0.9693	60.11
13.5	715,029	19,167	0.0268	0.9732	58.26
14.5	694,090	18,125	0.0261	0.9739	56.70
15.5	673,480	17,573	0.0261	0.9739	55.22
16.5	655,594	13,699	0.0209	0.9791	53.78
17.5	636,926	11,555	0.0181	0.9819	52.66
18.5	617,285	10,986	0.0178	0.9822	51.70
19.5	606,135	9,477	0.0156	0.9844	50.78
20.5	595,197	9,528	0.0160	0.9840	49.99
21.5	585,084	7,313	0.0125	0.9875	49.19
22.5	575,912	7,906	0.0137	0.9863	48.57
23.5	565,992	5,644	0.0100	0.9900	47.90
24.5	554,326	5,856	0.0106	0.9894	47.43
25.5	545,282	3,695	0.0068	0.9932	46.93
26.5	540,339	6,335	0.0117	0.9883	46.61
27.5	534,004	2,985	0.0056	0.9944	46.06
28.5	526,887	3,666	0.0070	0.9930	45.80
29.5	520,335	4,801	0.0092	0.9908	45.48
30.5	512,852	3,880	0.0076	0.9924	45.07
31.5	503,873	2,965	0.0059		44.72
32.5	500,679	3,033	0.0061	0.9939	44.46
33.5	494,833	1,779	0.0036	0.9964	44.19
34.5	481,352	1,097	0.0023	0.9977	44.03
35.5	448,071	2,072	0.0046	0.9954	43.93
36.5	409,532	2,931	0.0072	0.9928	43.73
37.5	386,678	7,174	0.0186	0.9814	43.42
38.5	344,757	1,763	0.0051	0.9949	42.61

ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

PLACEMENT BAND 1953-2016				RIENCE BAN	D 1958-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	315,461 289,694 262,464 235,266 215,237 192,719 172,734 148,929 127,615 106,866	3,234 2,530 9,694 2,893 2,032 1,596 1,157 1,324 1,442 743	0.0103 0.0087 0.0369 0.0123 0.0094 0.0083 0.0067 0.0089 0.0113 0.0070	0.9897 0.9913 0.9631 0.9877 0.9906 0.9917 0.9933 0.9911 0.9887 0.9930	42.39 41.96 41.59 40.06 39.56 39.19 38.86 38.60 38.26 37.83
49.5 50.5 51.5 52.5 53.5 54.5 55.5	92,039 72,801 54,633 42,383 25,903 15,938	1,286 2,111 572 885 187 354	0.0140 0.0290 0.0105 0.0209 0.0072 0.0222	0.9860 0.9710 0.9895 0.9791 0.9928 0.9778	37.57 37.04 35.97 35.59 34.85 34.60 33.83



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1948-2017 PLACEMENTS 100 ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS 8 ORIGINAL AND SMOOTH SURVIVOR CURVES IOWA 45-R0.5 WASHINGTON PROPERTY AGE IN YEARS PACIFICORP 4 20 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

PLACEMENT	BAND 1948-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	5,172,597 5,087,135 4,875,569 4,802,333 4,716,118 4,595,510 4,488,206 4,393,675 4,236,362	5,035 62,055 31,828 39,221 31,592 33,853 23,201 28,278 54,499	0.0010 0.0122 0.0065 0.0082 0.0067 0.0074 0.0052 0.0064 0.0129	0.9990 0.9878 0.9935 0.9918 0.9933 0.9926 0.9948 0.9936 0.9871	100.00 99.90 98.68 98.04 97.24 96.59 95.88 95.38
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5	4,075,958 3,966,333 3,832,903 3,719,344 3,733,614 3,622,667 3,411,833 3,231,754 3,170,068	39,852 49,948 35,677 53,894 35,843 34,436 53,613 34,148 44,251	0.0098 0.0126 0.0093 0.0145 0.0096 0.0095 0.0157 0.0106 0.0140	0.9902 0.9874 0.9907 0.9855 0.9904 0.9905 0.9843 0.9894 0.9860	93.55 92.63 91.47 90.62 89.30 88.44 87.60 86.23 85.32
17.5 18.5 19.5 20.5 21.5 22.5 23.5 24.5	3,028,563 3,303,486 3,123,369 2,883,266 2,685,390 2,397,913 2,212,312 2,004,109	24,800 40,175 31,131 48,840 35,005 33,684 33,284 64,962	0.0082 0.0122 0.0100 0.0169 0.0130 0.0140 0.0150 0.0324	0.9918 0.9878 0.9900 0.9831 0.9870 0.9860 0.9850 0.9676	84.13 83.44 82.42 81.60 80.22 79.17 78.06 76.89
25.5 26.5 27.5 28.5	1,876,587 1,680,357 1,615,602 1,528,272	82,818 19,446 18,020 24,399 61,730	0.0441 0.0116 0.0112 0.0160 0.0415	0.9559 0.9884 0.9888 0.9840	74.39 71.11 70.29 69.50 68.39
30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	1,399,863 1,372,951 1,296,356 1,256,718 1,174,327 1,021,239 878,604 760,782 733,771	5,697 22,722 19,249 9,751 38,563 4,906 5,644 8,952 10,425	0.0041 0.0165 0.0148 0.0078 0.0328 0.0048 0.0064 0.0118 0.0142	0.9959 0.9835 0.9852 0.9922 0.9672 0.9952 0.9936 0.9882 0.9858	65.56 65.29 64.21 63.26 62.76 60.70 60.41 60.02 59.32

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT	BAND 1948-2017		EXPER	RIENCE BANI) 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	710,369 650,293 613,182 563,176 511,878 441,213 425,028 374,259 349,518 306,919	20,817 13,710 12,237 15,833 20,388 7,241 35,186 8,805 7,448 3,936	0.0293 0.0211 0.0200 0.0281 0.0398 0.0164 0.0828 0.0235 0.0213 0.0128	0.9707 0.9789 0.9800 0.9719 0.9602 0.9836 0.9172 0.9765 0.9787	58.47 56.76 55.56 54.46 52.92 50.82 49.98 45.84 44.77 43.81
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	290,460 275,441 259,724 228,394 205,704 198,767 197,048 190,081 184,590 176,266	4,494 3,479 23,969 2,725 4,213 552 2,091 2,108 4,353 884	0.0155 0.0126 0.0923 0.0119 0.0205 0.0028 0.0106 0.0111 0.0236 0.0050	0.9845 0.9874 0.9077 0.9881 0.9795 0.9972 0.9894 0.9889 0.9764 0.9950	43.25 42.58 42.04 38.16 37.71 36.94 36.83 36.44 36.04 35.19
59.5 60.5 61.5 62.5	170,807 160,371 146,322 141,515	868 8,941 1,607 1,029	0.0051 0.0558 0.0110 0.0073	0.9949 0.9442 0.9890 0.9927	35.01 34.83 32.89 32.53



63.5

32.29

ORIGINAL CURVE ■ 1937-2017 EXPERIENCE 1905-2017 PLACEMENTS 100 8 AGE IN YEARS **IOWA 40-53** 4 20 9 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

WASHINGTON PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1905-2017		EXPER	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	13,367,731 13,313,159 13,271,124 13,206,610 12,475,299 11,294,978 11,265,073 11,218,679	459 120 4,095 6,838 10,661 4,900 1,785 17,228	0.0000 0.0000 0.0003 0.0005 0.0009 0.0004 0.0002 0.0015	1.0000 1.0000 0.9997 0.9995 0.9991 0.9996 0.9998	100.00 100.00 100.00 99.96 99.91 99.83 99.78 99.77
7.5 8.5	11,168,142 11,135,808	91 6,368	0.0000	1.0000 0.9994	99.62 99.61
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5 19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	11,068,772 11,018,246 10,923,297 10,774,157 10,789,347 8,775,859 8,751,149 8,549,579 8,529,450 8,483,118 8,420,257 8,087,452 8,022,101 1,076,747 955,024 578,227 506,158 506,007 501,124 212,550	23,304 1,801 25,046 10,251 20,429 3,586 25,477 7,936 16,743 34,304 6,784 20,336 27,093 24,764 6,140 6,123 151 477 200 429	0.0021 0.0002 0.0023 0.0010 0.0019 0.0004 0.0029 0.0020 0.0040 0.0025 0.0034 0.0230 0.0064 0.0106 0.0003 0.0009 0.0004	0.9979 0.9998 0.9977 0.9990 0.9981 0.9996 0.9971 0.9980 0.9960 0.9992 0.9975 0.9966 0.9770 0.9936 0.9936 0.9997 0.9991 0.9991 0.9996 0.9998	99.56 99.35 99.33 99.10 99.01 98.82 98.78 98.49 98.40 98.21 97.81 97.73 97.49 97.16 94.92 94.31 93.32 93.29 93.20 93.16
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	193,261 189,180 173,361 173,139 169,622 161,577 126,186 40,333 40,333	1,005 1,711 222 3,517 8,045 35,391 85,853	0.0052 0.0090 0.0013 0.0203 0.0474 0.2190 0.6804 0.0000 0.0798 0.0000	0.9948 0.9910 0.9987 0.9797 0.9526 0.7810 0.3196 1.0000 0.9202 1.0000	92.97 92.49 91.65 91.54 89.68 85.42 66.71 21.32 21.32 19.62

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT :	BAND 1905-2017		EXPER	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	37,116 36,963 36,963 36,729 33,835 33,783 33,783 33,783 29,503	153 234 2,894 52	0.0041 0.0000 0.0063 0.0788 0.0015 0.0000 0.0000 0.0000 0.1267 0.0000	0.9985 1.0000 1.0000 1.0000	19.62 19.54 19.54 19.42 17.89 17.86 17.86 17.86 15.60
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	29,503 29,503 29,503 698 698 698 698 246 246 246	452	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.6479 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.3521	15.60 15.60 15.60 15.60 15.60 15.60 5.49 5.49
59.5 60.5 61.5 62.5 63.5 64.5	246 246 246 245 245	0	0.0000 0.0000 0.0020 0.0000 0.0000	1.0000 1.0000 0.9980 1.0000	5.49 5.49 5.49 5.48 5.48



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ORIGINAL CURVE = 1949-2017 EXPERIENCE 1998-2017 EXPERIENCE 1979-2017 PLACEMENTS 20 ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS 4 ORIGINAL AND SMOOTH SURVIVOR CURVES WASHINGTON PROPERTY AGE IN YEARS PACIFICORP I**ф**WA 14-S2 2 9 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1949-2017 EXPERIENCE BAND 1969-2017 EXPOSURES AT AGE AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF BEGIN OF DURING AGE RETMT SURV INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 4,047,739 1 0.0000 1.0000 100.00 0.5 3,952,887 21,630 0.0055 0.9945 100.00 1.5 3,941,655 3,858 0.0010 0.9990 99.45 2.5 3,863,594 0.0063 0.9937 99.36 24,374 3.5 3,788,260 0.0000 98.73 1.0000 43,333 4.5 3,750,210 0.0116 0.9884 98.73 5.5 3,641,443 31,207 0.0086 0.9914 97.59 6.5 3,306,125 24,904 0.0075 0.9925 96.75 7.5 0.0809 96.02 3,130,170 253,134 0.9191 8.5 2,631,612 265,811 0.1010 0.8990 88.26 193,735 9.5 2,230,259 0.0869 0.9131 79.34 72.45 10.5 1,977,966 193,193 0.0977 0.9023 1,554,503 235,378 65.37 11.5 0.1514 0.8486 12.5 1,121,194 166,765 0.1487 0.8513 55.48 13.5 767,223 213,133 0.2778 0.7222 47.22 14.5 449,703 46,435 0.1033 34.11 0.8967 15.5 331,598 48,193 0.1453 0.8547 30.58 245,585 36,255 0.1476 0.8524 16.5 26.14 17.5 209,330 4,149 0.0198 0.9802 22.28 18.5 205,180 29,668 0.1446 0.8554 21.84 19.5 148,874 37,890 0.2545 0.7455 18.68 5,155 20.5 104,047 0.0495 0.9505 13.93 21.5 96,764 4,140 0.0428 13.24 0.9572 22.5 39,940 12,354 0.3093 0.6907 12.67 23.5 27,586 3,326 0.1206 0.8794 8.75 24.5 24,260 923 0.0380 0.9620 7.70 25.5 7,486 0.0000 1.0000 7.40 26.5 7,486 0.0000 1.0000 7.40 7,486 27.5 0.0000 7.40 1.0000 28.5 7,486 4,069 0.5436 0.4564 7.40 29.5 3,417 1.0000 3.38 3,417



30.5

ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT I	BAND 1979-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	2,809,240 2,870,539 2,921,223 3,041,036 3,165,273 3,499,474 3,498,415 3,174,407 2,998,454	21,630 3,855 24,369 43,332 26,043 24,902 230,497	0.0000 0.0075 0.0013 0.0080 0.0000 0.0124 0.0074 0.0078	1.0000 0.9925 0.9987 0.9920 1.0000 0.9876 0.9926 0.9922	100.00 100.00 99.25 99.12 98.32 98.32 97.10 96.38 95.62
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	2,518,908 2,148,252 1,895,959 1,490,711 1,060,223 712,589 405,359 292,389 211,077 178,447 180,575	233,081 193,735 184,946 224,442 160,429 202,734 40,906 38,338 32,630	0.0925 0.0902 0.0975 0.1506 0.1513 0.2845 0.1009 0.1311 0.1546 0.0000 0.1537	0.9075 0.9098 0.9025 0.8494 0.8487 0.7155 0.8991 0.8689 0.8454 1.0000 0.8463	88.27 80.11 72.88 65.77 55.87 47.42 33.93 30.50 26.50 22.41 22.41
19.5 20.5 21.5 22.5 23.5 24.5 25.5	123,587 83,017 80,889 28,205 15,850	33,633	0.2721 0.0000 0.0000 0.4380 0.0000 0.0000	0.7279 1.0000 1.0000 0.5620 1.0000	18.96 13.80 13.80 13.80 7.76 7.76



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ORIGINAL CURVE = 1934-2017 PLACEMENTS ▲ 1998-2017 EXPERIENCE 1971-2017 PLACEMENTS 20 ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 4 ORIGINAL AND SMOOTH SURVIVOR CURVES WASHINGTON PROPERTY AGE IN YEARS IOWA 19-S1 PACIFICORP 20 9 9 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

PLACEMENT 1	BAND 1934-2017		EXPER	RIENCE BAN	D 1964-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	6,746,257 6,438,701 6,458,928 6,412,346 6,194,266 5,935,421 5,460,270	185 486 70,895 112,943 59,842	0.0000 0.0000 0.0000 0.0001 0.0114 0.0190 0.0110	1.0000 1.0000 1.0000 0.9999 0.9886 0.9810 0.9890	100.00 100.00 100.00 100.00 99.99 98.85 96.96
6.5 7.5 8.5	4,782,181 4,758,351 4,376,377	30,117 50,224 88,260	0.0063 0.0106 0.0202	0.9937 0.9894 0.9798	95.90 95.30 94.29
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5 19.5 20.5 21.5 22.5	4,169,346 3,529,142 3,200,941 2,146,780 1,538,638 1,354,812 984,718 916,653 857,609 757,512 630,362 430,241 352,835 230,394 140,905	166,077 68,443 136,569 346,207 177,821 41,148 22,996 63,209 100,097 86,214 47,381 33,056 75,910 41,164 19,505	0.0398 0.0194 0.0427 0.1613 0.1156 0.0304 0.0234 0.0690 0.1167 0.1138 0.0752 0.0768 0.2151 0.1787 0.1384	0.9602 0.9806 0.9573 0.8387 0.8844 0.9696 0.9766 0.9310 0.8833 0.8862 0.9248 0.9232 0.7849 0.8213 0.8616	92.39 88.71 86.99 83.28 69.85 61.78 59.90 58.50 54.47 48.11 42.63 39.43 36.40 28.57 23.46
24.5 25.5 26.5 27.5 28.5	121,400 121,400 121,400 77,370 67,926	44,030 9,444	0.0000 0.0000 0.3627 0.1221 0.0000	1.0000 1.0000 0.6373 0.8779 1.0000	20.22 20.22 20.22 12.88 11.31
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	1,468 1,468 1,468 1,000 1,000 500 500 500 500	4 68 5 00	0.0000 0.0000 0.3186 0.0000 0.0000 0.5000 0.0000 0.0000 0.0000	1.0000 1.0000 0.6814 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	11.31 11.31 11.31 7.71 7.71 7.71 3.85 3.85 3.85 3.85

ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

PLACEMENT :	BAND 1934-2017		EXPER	RIENCE BAN	D 1964-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	500 500 500 500 500 500 500 500		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	3.85 3.85 3.85 3.85 3.85 3.85 3.85 3.85
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	500 500 500 500 500 500 500 500 500		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	3.85 3.85 3.85 3.85 3.85 3.85 3.85 3.85
59.5 60.5	500	500	1.0000		3.85



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

PLACEMENT	BAND 1971-2017		EXPE	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	4,968,656 4,751,181 4,932,641 5,018,097 4,899,140 5,015,827 4,602,004 4,016,491 4,028,754 3,655,262	271 70,895 84,377 59,842 30,117 41,692 80,323	0.0000 0.0000 0.0000 0.0001 0.0145 0.0168 0.0130 0.0075 0.0103 0.0220	1.0000 1.0000 1.0000 0.9999 0.9855 0.9832 0.9870 0.9925 0.9897 0.9780	100.00 100.00 100.00 100.00 99.99 98.55 96.89 95.63 94.91 93.93
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	3,545,768 2,922,273 2,606,976 1,628,995 1,111,234 946,439 617,493 569,170 531,906 502,214	145,666 46,172 79,988 241,010 156,404 37,264 70,856	0.0411 0.0158 0.0307 0.1480 0.1407 0.0000 0.0000 0.0655 0.1332 0.0000	0.9589 0.9842 0.9693 0.8520 0.8593 1.0000 1.0000 0.9345 0.8668 1.0000	91.87 88.09 86.70 84.04 71.61 61.53 61.53 61.53 57.50 49.84
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5	461,277 328,042 264,930 203,002 113,513 110,988 110,988 120,432 76,402 66,958	18,761 42,447 41,164 19,505 44,030 9,444	0.0000 0.0572 0.1602 0.2028 0.1718 0.0000 0.0000 0.3656 0.1236 0.0000	1.0000 0.9428 0.8398 0.7972 0.8282 1.0000 1.0000 0.6344 0.8764 1.0000	49.84 49.84 46.99 39.46 31.46 26.05 26.05 26.05 16.53 14.49
29.5					14.49



1950-2017 EXPERIENCE ORIGINAL CURVE = 1923-2017 EXPERIENCE 100 ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS ORIGINAL AND SMOOTH SURVIVOR CURVES 8 WASHINGTON PROPERTY IOWA 33-S0.5 AGE IN YEARS PACIFICORP K 40 20 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT I	BAND 1923-2012		EXPER	RIENCE BAN	D 1965-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	958,120 963,759 984,054 965,774 965,774 970,332 929,030 827,014 759,003	20,809	0.0000 0.0000 0.0211 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 0.9789 1.0000 1.0000 1.0000 1.0000 0.9990	100.00 100.00 100.00 97.89 97.89 97.89 97.89
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	755,334 755,464 715,033 558,936 525,123 504,699 471,319 450,617 440,416 375,062 353,919	8,330 9,474 3,177 20,851 3,294 10,928 37,315 21,922 3,504	0.0000 0.0110 0.0132 0.0000 0.0061 0.0413 0.0070 0.0243 0.0847 0.0584 0.0099	1.0000 0.9890 0.9868 1.0000 0.9939 0.9587 0.9930 0.9757 0.9153 0.9416 0.9901	97.79 97.79 96.71 95.43 95.43 94.85 90.94 90.30 88.11 80.64 75.93
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	350,816 323,562 317,524 290,212 264,642 199,818 134,103 99,781 98,998 95,780	521 1,213 11,066 726 261 11,951 783 3,218	0.0015 0.0000 0.0038 0.0381 0.0027 0.0013 0.0891 0.0078 0.0325 0.0000	0.9985 1.0000 0.9962 0.9619 0.9973 0.9987 0.9109 0.9922 0.9675 1.0000	75.18 75.07 75.07 74.78 71.93 71.73 71.64 65.25 64.74 62.64
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	95,780 90,320 90,320 87,822 82,388 82,388 78,978 73,948 68,037 63,010	5,657 2,499 5,434 3,568 5,030 5,911 5,111 2,769	0.0591 0.0000 0.0277 0.0619 0.0000 0.0433 0.0637 0.0799 0.0751 0.0440	0.9409 1.0000 0.9723 0.9381 1.0000 0.9567 0.9363 0.9201 0.9249 0.9560	62.64 58.94 58.94 57.31 53.76 53.76 51.43 48.16 44.31 40.98

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT 1	BAND 1923-2012		EXPER	RIENCE BAN	D 1965-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	45,709 42,732 39,582 39,582 39,582 24,917 14,985 14,985 14,323 9,567	2,977 3,225 14,664 9,932 662 4,756	0.0651 0.0755 0.0000 0.0000 0.3705 0.3986 0.0000 0.0442 0.3321 0.0000	0.6295 0.6014 1.0000 0.9558 0.6679	39.18 36.63 33.86 33.86 21.32 12.82 12.82 12.82 12.85 8.18
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	9,567 9,567 9,567 9,567 8,467 8,467 8,467 8,467 8,467	157 74	0.0000 0.0000 0.0000 0.0164 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 0.9836 1.0000 1.0000 1.0000	8.18 8.18 8.18 8.18 8.05 8.05 8.05 8.05 8.05 8.05
59.5 60.5 61.5 62.5 63.5	8,392 4,417 4,417 4,417		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	7.98 7.98 7.98 7.98 7.98



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT	BAND 1950-2012		EXPE	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	845,011 848,188 852,259 836,231 836,231 857,292 815,990 713,975 655,395 667,930	20,809	0.0000 0.0000 0.0244 0.0000 0.0000 0.0000 0.0000 0.0000 0.0011	1.0000 1.0000 0.9756 1.0000 1.0000 1.0000 1.0000 0.9989 1.0000	100.00 100.00 97.56 97.56 97.56 97.56 97.56 97.56
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	682,462 634,950 484,217 450,404 433,750 400,216 385,468 377,758 311,928 291,218	8,330 9,474 3,177 20,851 3,294 10,928 37,315 21,060 3,504	0.0122 0.0149 0.0000 0.0071 0.0481 0.0082 0.0283 0.0988 0.0675 0.0120	0.9878 0.9851 1.0000 0.9929 0.9519 0.9918 0.9717 0.9012 0.9325 0.9880	97.45 96.26 94.82 94.82 94.15 89.63 88.89 86.37 77.84 72.58
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	293,768 270,010 264,233 238,134 218,586 174,783 111,379 77,674 82,232 79,014	10,589 261 11,334 3,218	0.0000 0.0000 0.0000 0.0445 0.0000 0.0015 0.1018 0.0000 0.0391 0.0000	1.0000 1.0000 1.0000 0.9555 1.0000 0.9985 0.8982 1.0000 0.9609 1.0000	71.71 71.71 71.71 71.71 68.52 68.52 68.42 61.46 61.46 59.05
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	79,014 77,332 82,738 80,768 81,712 81,737 78,169 73,345 67,587 62,476	5,657 2,100 5,434 3,568 4,824 5,911 5,111 2,685	0.0716 0.0000 0.0254 0.0673 0.0000 0.0436 0.0617 0.0806 0.0756 0.0430	0.9284 1.0000 0.9746 0.9327 1.0000 0.9564 0.9383 0.9194 0.9244 0.9570	59.05 54.82 54.82 53.43 49.84 49.84 47.66 44.72 41.12 38.01

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT	BAND 1950-2012		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	45,259 42,282 39,152 39,152 39,152 24,488 14,555 14,555 13,893 9,335	2,977 3,131 14,664 9,932 662 4,558	0.4056 0.0000	0.9342 0.9260 1.0000 1.0000 0.6255 0.5944 1.0000 0.9545 0.6719	36.37 33.98 31.47 31.47 19.68 11.70 11.70 11.17 7.50
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	9,335 9,335 9,335 9,335 8,392 8,392 8,392 8,392 8,392 8,392		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	7.50 7.50 7.50 7.50 7.50 7.50 7.50 7.50
59.5 60.5 61.5 62.5 63.5	8,392 4,417 4,417 4,417		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	7.50 7.50 7.50 7.50 7.50



ORIGINAL CURVE ■ 2000-2017 EXPERIENCE 1992-2017 PLACEMENTS 25 20 IOWA 10-S2.5 15 AGE IN YEARS 9 70 30-8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

WASHINGTON PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1992-2017		EXPER	RIENCE BAN	D 2000-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	3,123,384 2,607,755 2,672,482 2,699,754 2,699,754 2,800,255 2,959,166 2,140,111 1,929,251 1,444,079	299,864 370,058 377,512	0.0000 0.0430 0.0000 0.0000 0.0000 0.0000 0.0000 0.1401 0.1918 0.2614	1.0000 0.9570 1.0000 1.0000 1.0000 1.0000 0.8599 0.8082 0.7386	100.00 100.00 95.70 95.70 95.70 95.70 95.70 95.70 82.29 66.51
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	1,066,566 886,796 694,389 375,530 375,530 375,530 49,439 49,439 49,439	179,770 192,407 139,269 78,906	0.1686 0.2170 0.2006 0.0000 0.0000 0.2101 0.0000 0.0000 0.0000	0.8314 0.7830 0.7994 1.0000 1.0000 0.7899 1.0000 1.0000	49.12 40.84 31.98 25.57 25.57 25.57 20.19 20.19 20.19
19.5					20.19



ORIGINAL CURVE = 1951-2017 PLACEMENTS 1998-2017 EXPERIENCE 1959-2017 PLACEMENTS 20 4 AGE IN YEARS IOWA 15-L1.5 2 9 70 8 8 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

WASHINGTON PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1951-2017 EXPERIENCE BAND 1966-2017 EXPOSURES AT AGE AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF BEGIN OF DURING AGE RETMT SURV INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 14,266,881 0.0000 1.0000 100.00 0.5 13,611,593 98,641 0.0072 0.9928 100.00 1.5 13,555,353 106,231 0.0078 0.9922 99.28 2.5 12,877,343 0.0000 98.50 200 1.0000 3.5 12,881,993 237,368 98.50 0.0184 0.9816 370,132 4.5 12,648,146 0.0293 0.9707 96.68 5.5 12,278,015 1,381,458 0.1125 93.85 0.8875 6.5 10,054,800 611,158 0.0608 0.9392 83.29 9,127,301 7.5 0.0412 78.23 376,233 0.9588 8.5 7,720,596 393,925 0.0510 0.9490 75.00 9.5 7,077,272 225,231 0.0318 0.9682 71.18 10.5 6,677,172 307,764 0.0461 0.9539 68.91 5,667,863 217,456 65.74 11.5 0.0384 0.9616 12.5 4,756,024 566,847 0.1192 0.8808 63.21 3,546,496 13.5 247,255 0.0697 0.9303 55.68 14.5 3,311,421 333,426 51.80 0.1007 0.8993 15.5 2,140,318 485,825 0.2270 0.7730 46.58 16.5 1,597,085 26,280 0.0165 0.9835 36.01 17.5 1,570,805 330,186 0.2102 0.7898 35.42 18.5 1,240,619 213,716 0.1723 0.8277 27.97 90,764 19.5 959,704 0.0946 0.9054 23.15 20.5 868,940 26,914 0.0310 0.9690 20.96 21.5 655,515 0.0000 20.31 1.0000 53,645 22.5 593,889 0.0903 0.9097 20.31 23.5 503,479 32,062 0.0637 0.9363 18.48 24.5 157,917 0.0000 1.0000 17.30 25.5 157,917 19,313 0.1223 0.8777 17.30 26.5 138,604 34,591 0.2496 0.7504 15.19 27.5 76,057 6,230 0.0819 11.40 0.9181 28.5 69,827 0.0000 1.0000 10.46 29.5 69,827 0.0000 1.0000 10.46 69,827 10.46 30.5 0.0000 1.0000 31.5 20,619 0.0000 1.0000 10.46 32.5 20,619 10,043 0.4871 0.5129 10.46 33.5 10,576 0.0000 1.0000 5.37 34.5 10,576 0.0000 5.37 1.0000 35.5 10,576 0.0000 1.0000 5.37 36.5 10,576 0.0000 1.0000 5.37 37.5 10,576 0.0000 1.0000 5.37 0.0000 38.5 10,576 1.0000 5.37



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1951-2017		EXPE	RIENCE BAN	D 1966-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	10,576 10,576 10,576 10,576 10,576 10,576 10,576 10,576	10,576	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 1.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	5.37 5.37 5.37 5.37 5.37 5.37 5.37 5.37



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT E	BAND 1959-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5	8,076,718 7,689,538 8,301,624	98,641	0.0000 0.0128 0.0000	1.0000 0.9872 1.0000	100.00 100.00 98.72
2.5 3.5 4.5 5.5	7,861,815 7,996,388 9,366,203 9,996,171	39,154 285,692 1,123,242	0.0000 0.0049 0.0305 0.1124	1.0000 0.9951 0.9695 0.8876	98.72 98.72 98.23 95.24
6.5 7.5 8.5	8,420,350 7,865,373 6,542,554	483,593 340,781 252,287	0.0574 0.0433 0.0386	0.9426 0.9567 0.9614	93.24 84.54 79.68 76.23
9.5 10.5 11.5	6,121,224 5,809,881 4,975,578	199,875 154,009 211,626	0.0327 0.0265 0.0425	0.9673 0.9735 0.9575	73.29 70.90 69.02
12.5 13.5 14.5 15.5	4,059,674 2,903,126 2,727,934 1,604,785	518,412 175,192 285,472 331,787	0.1277 0.0603 0.1046 0.2067	0.8723 0.9397 0.8954 0.7933	66.08 57.64 54.16 48.50
16.5 17.5 18.5	1,215,591 1,250,182 956,004	300,944 205,131	0.2007 0.0000 0.2407 0.2146	1.0000 0.7593 0.7854	38.47 38.47 29.21
19.5 20.5 21.5	745,300 700,602 534,608	51,595	0.0692 0.0000 0.0000	0.9308 1.0000 1.0000	22.94 21.35 21.35
22.5 23.5 24.5 25.5	472,982 432,022 137,836 137,836	4,194 19,313	0.0089 0.0000 0.0000 0.1401	0.9911 1.0000 1.0000 0.8599	21.35 21.16 21.16 21.16
26.5 27.5 28.5	124,752 62,205 55,975	34,591 6,230	0.2773 0.1002 0.0000	0.7227 0.8998 1.0000	18.20 13.15 11.84
29.5 30.5 31.5	55,975 55,975 6,767		0.0000 0.0000 0.0000	1.0000 1.0000 1.0000	11.84 11.84 11.84
32.5 33.5 34.5 35.5 36.5	6,767	6,767	1.0000		11.84
37.5 38.5	10,576		0.0000		

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1959-2017		EXPER	IENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	10,576 10,576 10,576 10,576 10,576 10,576 10,576 10,576	10,576	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 1.0000		
10.0					



WYOMING PROPERTY



ORIGINAL CURVE = 1971-2017 EXPERIENCE 1944-2009 PLACEMENTS 100 8 **IOWA 50-S4** AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ORIGINAL AND SMOOTH SURVIVOR CURVES

WYOMING PROPERTY ACCOUNT 360.2 LAND RIGHTS

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT	BAND 1944-2009		EXPE	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	1,906,820 1,923,970 1,939,724 1,951,124 1,964,385 1,980,917 2,044,535 2,047,876 2,051,827 2,058,562	819	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0004 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9996 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 99.96 99.96
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	1,915,248 1,920,746 1,922,430 1,925,588 1,926,664 1,932,540 1,932,725 1,943,226 1,937,829 1,937,648	6 2 297 219 427 886 181 880	0.0000 0.0000 0.0000 0.0000 0.0002 0.0001 0.0005 0.0001	1.0000 1.0000 1.0000 0.9998 0.9999 0.9995 0.9999	99.96 99.96 99.96 99.96 99.94 99.93 99.91 99.87
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	1,866,359 1,808,359 1,801,551 1,790,527 1,774,554 1,773,416 1,769,056 1,921,822 1,909,385 1,894,877	352 309 153 1,417 2,126 3,231	0.0002 0.0002 0.0000 0.0000 0.0000 0.0001 0.0007 0.0011 0.0017	0.9998 0.9998 1.0000 1.0000 0.9999 1.0000 0.9993 0.9989 0.9983	99.81 99.79 99.77 99.77 99.77 99.77 99.77 99.69 99.58
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	1,863,289 1,759,084 1,034,231 1,026,725 1,019,918 915,815 827,133 700,711 651,246 607,306	4,312 3,944 7,507 4,025 4,047 5,263 13,323 7,169 9,058 19,990	0.0023 0.0022 0.0073 0.0039 0.0040 0.0057 0.0161 0.0102 0.0139 0.0329	0.9977 0.9978 0.9927 0.9961 0.9960 0.9943 0.9839 0.9881 0.9861	99.41 99.18 98.96 98.24 97.86 97.47 96.91 95.35 94.37 93.06

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT BAND 1944-2009 EXPERIENCE BAND 1971-					D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	542,978 466,039 428,574 338,286 257,707 205,068 171,696 122,737 85,052 63,696	31,283 19,102 21,073 43,969 13,276 14,129 18,279 20,613 6,743 1,695	0.1300 0.0515 0.0689 0.1065 0.1679	0.9424 0.9590 0.9508 0.8700 0.9485 0.9311 0.8935 0.8321 0.9207	90.00 84.81 81.33 77.33 67.28 63.82 59.42 53.09 44.18 40.67
49.5 50.5 51.5 52.5 53.5 54.5	53,323 44,225 43,147 11,332 10,928	3,164 1,078 6,181 404 10,928	0.0593 0.0244 0.1432 0.0356 1.0000	0.9407 0.9756 0.8568 0.9644	39.59 37.24 36.34 31.13 30.02



ORIGINAL CURVE ■ 1946-2017 EXPERIENCE 1918-2017 PLACEMENTS 100 OWA 65-R2.5 8 AGE IN YEARS 4 20 70 20-8 8 09 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

WYOMING PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1918-2017		EXPER	RIENCE BAN	D 1946-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	17,529,079		0.0000	1.0000	100.00
0.5	17,500,814		0.0000	1.0000	100.00
1.5	16,998,982	1,195	0.0001	0.9999	100.00
2.5	15,434,383	53,923	0.0035	0.9965	99.99
3.5	14,061,726	10,749	0.0008	0.9992	99.64
4.5	13,272,313	17,515	0.0013	0.9987	99.57
5.5	13,170,045	13,101	0.0010	0.9990	99.44
6.5	11,449,667	41,647	0.0036	0.9964	99.34
7.5	8,872,445	38,543	0.0043	0.9957	98.98
8.5	8,775,234	4,556	0.0005	0.9995	98.55
9.5	7,289,481	5,620	0.0008	0.9992	98.49
10.5	5,478,027	3,875	0.0007	0.9993	98.42
11.5	5,465,388	4,061	0.0007	0.9993	98.35
12.5	5,423,061	7,780	0.0014	0.9986	98.28
13.5	5,404,344	11,349	0.0021	0.9979	98.14
14.5	5,379,954	23,076	0.0043	0.9957	97.93
15.5	5,326,980	10,864	0.0020	0.9980	97.51
16.5	5,313,355	5,545	0.0010	0.9990	97.31
17.5	4,988,161	18,820	0.0038	0.9962	97.21
18.5	4,874,520	6,500	0.0013	0.9987	96.84
19.5	4,752,088	28,722	0.0060	0.9940	96.71
20.5	4,708,960	11,170	0.0024	0.9976	96.13
21.5	4,627,389	19,571	0.0042	0.9958	95.90
22.5	4,113,442	3,407	0.0008	0.9992	95.49
23.5	3,649,289	10,575	0.0029	0.9971	95.42
24.5	2,764,553	9,457	0.0034	0.9966	95.14
25.5	2,219,907	5,599	0.0025	0.9975	94.81
26.5	2,123,995	10,518	0.0050	0.9950	94.57
27.5	2,085,636	24,336	0.0117	0.9883	94.11
28.5	1,835,441	1,539	0.0008	0.9992	93.01
29.5	1,638,487	4,118	0.0025	0.9975	92.93
30.5	1,601,617	3,696	0.0023	0.9977	92.70
31.5	1,508,542	1,403	0.0009	0.9991	92.48
32.5	1,501,799	9,567	0.0064	0.9936	92.40
33.5	1,481,949	1,065	0.0007	0.9993	91.81
34.5	1,468,725	6,660	0.0045	0.9955	91.74
35.5	1,255,407	25,301	0.0202	0.9798	91.33
36.5	909,492	2,541	0.0028	0.9972	89.49
37.5	530,360	16,684	0.0315	0.9685	89.24
38.5	504,477	2,604	0.0052	0.9948	86.43



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT I	BAND 1918-2017		EXPER	RIENCE BAN	ID 1946-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	485,023	2,345	0.0048	0.9952	85.98
40.5	407,773	368	0.0009	0.9991	85.57
41.5	375,081		0.0000	1.0000	85.49
42.5	323,890	645	0.0020	0.9980	85.49
43.5	296,766	324	0.0011	0.9989	85.32
44.5	293,678		0.0000	1.0000	85.23
45.5	224,288		0.0000	1.0000	85.23
46.5	194,823	6,431	0.0330	0.9670	85.23
47.5	188,135	1,968	0.0105	0.9895	82.41
48.5	184,294	592	0.0032	0.9968	81.55
49.5	183,702		0.0000	1.0000	81.29
50.5	183,230	258	0.0014	0.9986	81.29
51.5	180,393		0.0000	1.0000	81.17
52.5	147,090		0.0000	1.0000	81.17
53.5	144,899		0.0000	1.0000	81.17
54.5	143,372	196	0.0014	0.9986	81.17
55.5	126,801	1,477	0.0116	0.9884	81.06
56.5	103,832	,	0.0000	1.0000	80.12
57.5	99,465	563	0.0057	0.9943	80.12
58.5	68,535		0.0000	1.0000	79.67
59.5	67,544	654	0.0097	0.9903	79.67
60.5	13,474	051	0.0007	1.0000	78.89
61.5	4,528		0.0000	1.0000	78.89
62.5	4,528		0.0000	1.0000	78.89
63.5	3,806		0.0000	1.0000	78.89
64.5	3,806		0.0000	1.0000	78.89
65.5	3,806		0.0000	1.0000	78.89
66.5	3,806		0.0000	1.0000	78.89
67.5	2,397		0.0000	1.0000	78.89
68.5	2,045		0.0000	1.0000	78.89
00.5			0.0000		70.05
69.5	1,897		0.0000	1.0000	78.89
70.5	1,897		0.0000	1.0000	78.89
71.5	1,223		0.0000	1.0000	78.89
72.5	1,223		0.0000	1.0000	78.89
73.5	1,223		0.0000	1.0000	78.89
74.5	1,223		0.0000	1.0000	78.89
75.5	1,223		0.0000	1.0000	78.89
76.5	1,223		0.0000	1.0000	78.89
77.5	1,223		0.0000	1.0000	78.89
78.5	1,223		0.0000	1.0000	78.89

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1918-2017		EXPER	RIENCE BAN	D 1946-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
79.5	1,223		0.0000	1.0000	78.89
80.5	1,223		0.0000	1.0000	78.89
81.5	1,223		0.0000	1.0000	78.89
82.5	1,223		0.0000	1.0000	78.89
83.5	1,223		0.0000	1.0000	78.89
84.5	1,223		0.0000	1.0000	78.89
85.5	1,223		0.0000	1.0000	78.89
86.5	1,223		0.0000	1.0000	78.89
87.5	641		0.0000	1.0000	78.89
88.5					78.89



ORIGINAL CURVE ■ 1917-2017 EXPERIENCE 1917-2017 PLACEMENTS 100 IOWA 55-R1 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



WYOMING PROPERTY ACCOUNT 362 STATION EQUIPMENT ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1917-2017		EXPER	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	161,273,372 158,308,851 154,578,311 147,776,908 141,368,112 138,548,012 135,076,406 130,565,532 120,830,552 116,108,528	84,586 223,429 538,670 571,801 1,521,245 1,016,941 305,799 487,740 2,859,814 811,672	0.0005 0.0014 0.0035 0.0039 0.0108 0.0073 0.0023 0.0037 0.0237 0.0070	0.9995 0.9986 0.9965 0.9961 0.9892 0.9927 0.9977 0.9963 0.9763 0.9930	100.00 99.95 99.81 99.46 99.07 98.01 97.29 97.07 96.71
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	105,816,084 100,103,949 98,414,557 96,754,401 94,830,305 93,610,493 91,518,006 90,534,110 87,383,343 85,894,304	982,662 1,000,333 356,611 1,425,321 910,988 1,076,329 361,685 595,713 352,525 544,280	0.0093 0.0100 0.0036 0.0147 0.0096 0.0115 0.0040 0.0066 0.0040	0.9907 0.9900 0.9964 0.9853 0.9904 0.9885 0.9960 0.9934 0.9960 0.9937	93.76 92.89 91.96 91.62 90.27 89.41 88.38 88.03 87.45 87.10
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	79,083,523 75,338,385 74,008,454 66,187,796 60,660,312 50,851,000 43,381,033 41,333,418 39,951,475 33,642,550	491,907 566,162 362,529 892,417 201,463 210,989 489,039 309,550 316,769 303,256	0.0062 0.0075 0.0049 0.0135 0.0033 0.0041 0.0113 0.0075 0.0079	0.9938 0.9925 0.9951 0.9865 0.9967 0.9959 0.9887 0.9925 0.9921 0.9910	86.55 86.01 85.36 84.94 83.80 83.52 83.17 82.24 81.62 80.97
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	31,349,683 29,906,051 27,833,438 27,509,671 27,061,118 25,708,840 19,847,127 15,727,291 12,757,711 11,587,309	224,282 218,507 266,067 246,203 361,397 114,232 247,145 201,610 197,549 104,160	0.0072 0.0073 0.0096 0.0089 0.0134 0.0044 0.0125 0.0128 0.0155 0.0090	0.9928 0.9927 0.9904 0.9911 0.9866 0.9956 0.9875 0.9872 0.9845 0.9910	80.24 79.67 79.09 78.33 77.63 76.59 76.25 75.30 74.34 73.19



ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1917-2017		EXPER	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	10,997,301 8,860,077 8,344,752 6,988,236 6,551,249 6,350,131 5,596,731 4,994,777 4,762,532 4,562,462	195,311 24,242 45,145 39,552 108,001 33,910 13,653 50,204 64,716 48,105	0.0178 0.0027 0.0054 0.0057 0.0165 0.0053 0.0024 0.0101 0.0136 0.0105	0.9822 0.9973 0.9946 0.9943 0.9835 0.9947 0.9976 0.9899 0.9864 0.9895	72.53 71.24 71.05 70.66 70.26 69.10 68.73 68.57 67.88 66.95
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	4,374,886 4,302,850 4,064,947 3,211,854 2,962,398 2,835,487 2,448,235 2,042,822 1,713,104 1,507,801	18,480 15,643 9,341 12,908 35,649 108,607 87,692 19,052 6,593 2,309	0.0042 0.0036 0.0023 0.0040 0.0120 0.0383 0.0358 0.0093 0.0038	0.9958 0.9964 0.9977 0.9960 0.9880 0.9617 0.9642 0.9907 0.9962 0.9985	66.25 65.97 65.73 65.58 65.31 64.53 62.06 59.83 59.28
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	1,265,112 697,646 529,375 504,990 446,270 326,114 281,504 167,121 162,404 131,293	39,052 5,688 1,978 17,841 1,154 3,987 110,127	0.0309 0.0082 0.0037 0.0353 0.0026 0.0122 0.3912 0.0000 0.0026 0.0596	0.9691 0.9918 0.9963 0.9647 0.9974 0.9878 0.6088 1.0000 0.9974 0.9404	58.96 57.14 56.67 56.46 54.47 54.32 53.66 32.67 32.67 32.58
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	110,528 97,775 97,324 84,554 67,197 52,700 52,574 51,867 44,837 38,364	11,555 54 14,426	0.0000 0.0000 0.1187 0.0006 0.2147 0.0000 0.0000 0.0000	1.0000 1.0000 0.8813 0.9994 0.7853 1.0000 1.0000 1.0000	30.64 30.64 30.64 27.00 26.99 21.19 21.19 21.19 21.19

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT 1	BAND 1917-2017		EXPE	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	11211111111	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5	26,706 26,706 26,325 26,300 26,300 26,300 8,398 8,398 7,587 6,894	0	0.0000 0.0126 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000	21.19 21.19 20.93 20.93 20.93 20.93 20.93 20.93 20.93 20.93
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5 98.5	6,327 6,327 3,236 3,236 3,236 2,464 469 469 350 350	91	0.0000 0.0000 0.0000 0.0000 0.0281 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 0.9719 1.0000 1.0000 1.0000	20.93 20.93 20.93 20.93 20.93 20.34 20.34 20.34 20.34
99.5					20.34



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1947-2017 PLACEMENTS 100 IOWA 55-R1 ACCOUNT 364 POLES, TOWERS AND FIXTURES 8 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS 4 20 70 20-8 8 09 20 РЕКСЕИТ ЅИВУІУІИĠ



WYOMING PROPERTY

ACCOUNT 364 POLES, TOWERS AND FIXTURES

PLACEMENT I	BAND 1947-2017		EXPER	RIENCE BAN	ID 1967-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	140,277,636	197,536	0.0014	0.9986	100.00
0.5	136,216,009	1,209,675	0.0089	0.9911	99.86
1.5	130,453,330	1,365,485	0.0105	0.9895	98.97
2.5	123,750,355	941,521	0.0076	0.9924	97.94
3.5	117,180,240	806,576	0.0069	0.9931	97.19
4.5	111,863,008	828,094	0.0074	0.9926	96.52
5.5	106,624,475	723,216	0.0068	0.9932	95.81
6.5	99,128,942	701,205	0.0071	0.9929	95.16
7.5	93,596,594	640,768	0.0068	0.9932	94.48
8.5	87,438,638	506,035	0.0058	0.9942	93.84
9.5	81,384,932	445,657	0.0055	0.9945	93.29
10.5	76,620,489	493,263	0.0064	0.9936	92.78
11.5	74,555,224	423,798	0.0057	0.9943	92.19
12.5	72,408,036	420,069	0.0058	0.9942	91.66
13.5	69,014,479	445,755	0.0065	0.9935	91.13
14.5	65,826,857	401,891	0.0061	0.9939	90.54
15.5	63,370,263	414,049	0.0065	0.9935	89.99
16.5	60,887,294	442,081	0.0073	0.9927	89.40
17.5	57,118,726	441,448	0.0077	0.9923	88.75
18.5	54,428,293	381,134	0.0070	0.9930	88.07
19.5	51,797,239	446,592	0.0086	0.9914	87.45
20.5	47,167,619	412,709	0.0087	0.9913	86.70
21.5	42,851,873	718,000	0.0168	0.9832	85.94
22.5	38,204,688	317,435	0.0083	0.9917	84.50
23.5	32,616,437	252,956	0.0078	0.9922	83.80
24.5	29,511,020	308,758	0.0105	0.9895	83.15
25.5	27,861,676	243,623	0.0087	0.9913	82.28
26.5	26,198,551	231,305	0.0088	0.9912	81.56
27.5	25,758,743	284,513	0.0110	0.9890	80.84
28.5	24,327,224	203,809	0.0084	0.9916	79.94
29.5	23,206,856	214,925	0.0093	0.9907	79.27
30.5	21,883,497	158,552	0.0072	0.9928	78.54
31.5	20,605,687	133,217	0.0065	0.9935	77.97
32.5	19,377,284	171,810	0.0089	0.9911	77.47
33.5	18,159,807	178,393	0.0098	0.9902	76.78
34.5	17,067,039	247,943	0.0145	0.9855	76.03
35.5	15,347,012	128,779	0.0084	0.9916	74.92
36.5	13,711,489	293,559	0.0214	0.9786	74.29
37.5	12,185,778	185,521	0.0152	0.9848	72.70
38.5	11,068,162	114,201	0.0103	0.9897	71.59

ACCOUNT 364 POLES, TOWERS AND FIXTURES

PLACEMENT 1	BAND 1947-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	9,986,582 9,010,992 8,302,861 7,669,979 7,099,631 6,549,051 6,152,319 5,687,607 5,331,518 4,919,911	143,527 122,158 130,255 143,764 117,452 66,184 158,599 98,890 109,967 69,420	0.0144 0.0136 0.0157 0.0187 0.0165 0.0101 0.0258 0.0174 0.0206 0.0141	0.9856 0.9864 0.9843 0.9813 0.9835 0.9899 0.9742 0.9826 0.9794	70.86 69.84 68.89 67.81 66.54 65.44 64.78 63.11 62.01 60.73
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	4,548,769 4,244,376 3,902,712 3,563,344 3,233,279 2,899,539 2,500,358 2,078,108 1,676,516 1,516,215	74,695 71,137 38,553 37,196 40,792 28,832 26,805 25,896 19,692 23,205	0.0164 0.0168 0.0099 0.0104 0.0126 0.0099 0.0107 0.0125 0.0117 0.0153	0.9836 0.9832 0.9901 0.9896 0.9874 0.9901 0.9893 0.9875 0.9883	59.87 58.89 57.90 57.33 56.73 56.02 55.46 54.87 54.18 53.55
59.5 60.5 61.5 62.5 63.5	1,325,787 1,121,275 889,339 835,757	24,651 13,152 9,264 11,620	0.0186 0.0117 0.0104 0.0139	0.9814 0.9883 0.9896 0.9861	52.73 51.75 51.14 50.61 49.90



ORIGINAL CURVE = 1947-2017 PLACEMENTS 100 IOWA 60-R0.5 8 AGE IN YEARS 4 20 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

WYOMING PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1947-2017 EXPERIENCE BAND 1967-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF DURING AGE RETMT SURV BEGIN OF INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 109,147,207 121,548 0.0011 0.9989 100.00 0.5 107,377,349 1,298,676 0.0121 0.9879 99.89 1.5 104,866,753 1,124,222 0.0107 0.9893 98.68 2.5 101,899,845 1,149,629 0.0113 0.9887 97.62 3.5 97,688,486 96.52 896,961 0.0092 0.9908 94,377,370 4.5 992,121 0.0105 0.9895 95.64 5.5 91,498,927 1,085,182 0.0119 94.63 0.9881 6.5 87,924,593 647,930 0.0074 0.9926 93.51 7.5 84,525,907 975,619 0.0115 0.9885 92.82 82,729,396 8.5 697,205 0.0084 0.9916 91.75 9.5 80,453,283 0.0079 0.9921 90.97 639,522 0.9934 10.5 75,168,969 90.25 498,516 0.0066 527,565 11.5 73,830,045 0.0071 0.9929 89.65 12.5 74,014,830 585,009 0.0079 0.9921 89.01 13.5 71,576,023 558,705 0.0078 0.9922 88.31 14.5 69,989,108 0.0059 87.62 413,416 0.9941 15.5 68,575,762 710,124 0.0104 0.9896 87.10 16.5 66,996,664 466,480 0.0070 0.9930 86.20 17.5 64,615,235 524,277 0.0081 0.9919 85.60 18.5 63,018,292 461,512 0.0073 0.9927 84.90 19.5 61,017,351 538,646 0.0088 0.9912 84.28 20.5 57,399,762 315,024 0.0055 0.9945 83.54 21.5 54,491,021 0.0087 473,755 0.9913 83.08 0.0059 22.5 51,327,398 304,490 0.9941 82.36 23.5 47,963,699 191,976 0.0040 0.9960 81.87 24.5 44,560,508 241,802 0.0054 0.9946 81.54 25.5 42,048,473 164,616 0.0039 0.9961 81.10 26.5 39,358,154 189,875 80.78 0.0048 0.9952 27.5 38,787,509 235,903 0.0061 0.9939 80.39 28.5 37,125,838 252,611 0.0068 0.9932 79.90 29.5 35,609,133 266,637 0.9925 79.36 0.0075 30.5 33,743,120 239,762 0.0071 0.9929 78.76 31.5 31,509,378 117,034 0.0037 0.9963 78.21 32.5 29,103,888 231,082 0.0079 0.9921 77.91 33.5 26,693,927 101,580 77.30 0.0038 0.9962 24,272,920 175,119 77.00 34.5 0.0072 0.9928 35.5 20,961,321 118,823 0.0057 0.9943 76.45 36.5 17,383,387 61,088 0.0035 0.9965 76.01 37.5 14,701,375 60,320 0.0041 0.9959 75.75 38.5 13,284,124 117,591 0.0089 0.9911 75.44



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

PLACEMENT	BAND 1947-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	11,634,662 10,034,949 9,149,626 8,201,461 7,503,961 6,870,316 6,503,752 6,013,002 5,672,252 5,231,560	69,522 79,196 82,446 110,251 82,118 35,374 121,340 71,206 149,376 56,140	0.0060 0.0079 0.0090 0.0134 0.0109 0.0051 0.0187 0.0118 0.0263 0.0107	0.9940 0.9921 0.9910 0.9866 0.9891 0.9949 0.9813 0.9882 0.9737 0.9893	74.77 74.32 73.73 73.07 72.09 71.30 70.93 69.61 68.78 66.97
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	4,856,141 4,602,604 4,330,012 4,014,053 3,705,156 3,447,494 3,079,666 2,801,371 2,392,382 2,236,813	20,032 36,382 14,209 16,450 23,837 17,750 28,458 24,177 14,048 19,629	0.0041 0.0079 0.0033 0.0041 0.0064 0.0051 0.0092 0.0086 0.0059	0.9959 0.9921 0.9967 0.9959 0.9936 0.9949 0.9908 0.9914 0.9941	66.25 65.98 65.46 65.24 64.98 64.56 64.23 63.63 63.08 62.71
59.5 60.5 61.5 62.5 63.5	2,069,502 1,863,789 1,606,302 1,551,311	7,326 5,264 5,887 4,697	0.0035 0.0028 0.0037 0.0030	0.9965 0.9972 0.9963 0.9970	62.16 61.94 61.77 61.54 61.36



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1960-2017 PLACEMENTS 100 8 IфWA 45-R2.5 AGE IN YEARS 4 20 70 8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 366 UNDERGROUND CONDUIT ORIGINAL AND SMOOTH SURVIVOR CURVES

WYOMING PROPERTY

ACCOUNT 366 UNDERGROUND CONDUIT

PLACEMENT	BAND 1960-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF		RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	25,064,828 23,971,797	36,462 216,308	0.0015 0.0090	0.9985 0.9910	100.00 99.85
1.5	22,530,701	261,542	0.0116	0.9884	98.95
2.5	21,065,959	267,769	0.0127	0.9873	97.80
3.5	19,062,716	126,120	0.0066	0.9934	96.56
4.5	17,016,631	184,591	0.0108	0.9892	95.92
5.5	15,295,538	146,728	0.0096	0.9904	94.88
6.5	13,115,789	97,892	0.0075	0.9925	93.97
7.5	11,847,763	84,298	0.0071	0.9929	93.27
8.5	11,068,366	99,954	0.0090	0.9910	92.61
9.5	10,373,054	45,487	0.0044	0.9956	91.77
10.5	9,713,398	28,098	0.0029	0.9971	91.37
11.5	9,228,884	16,210	0.0018	0.9982	91.10
12.5	8,653,300	23,447	0.0027	0.9973	90.94
13.5	8,106,052	26,746	0.0033	0.9967	90.70
14.5	7,781,706	24,726	0.0032	0.9968	90.40
15.5	7,464,691	24,796	0.0033	0.9967	90.11
16.5	7,157,144	40,471	0.0057	0.9943	89.81
17.5	6,819,273	33,418	0.0049	0.9951	89.30
18.5	6,531,154	55,417	0.0085	0.9915	88.87
19.5	5,958,660	13,463	0.0023	0.9977	88.11
20.5	5,501,096	54,279	0.0099	0.9901	87.91
21.5	5,034,234	13,147	0.0026	0.9974	87.05
22.5	4,726,959	43,635	0.0092	0.9908	86.82
23.5	3,541,687	35,149	0.0099	0.9901	86.02
24.5	3,014,782	13,801	0.0046	0.9954	85.16
25.5	2,874,880	11,239	0.0039	0.9961	84.77
26.5	2,688,488	19,181	0.0071	0.9929	84.44
27.5	2,634,341	5,908	0.0022	0.9978	83.84
28.5	2,531,870	7,115	0.0028	0.9972	83.65
29.5	2,451,246	6,996	0.0029	0.9971	83.42
30.5	2,354,338	7,944	0.0034	0.9966	83.18
31.5	2,209,711	10,741			82.90
32.5	2,070,499	10,930	0.0053	0.9947	82.49
33.5	1,898,901	10,595	0.0056	0.9944	82.06
34.5	1,675,298	11,631	0.0069	0.9931	81.60
35.5	1,166,390	9,195	0.0079	0.9921	81.03
36.5	911,403	15,286	0.0168	0.9832	80.40
37.5	646,869	14,971	0.0231	0.9769	79.05
38.5	460,529	11,165	0.0242	0.9758	77.22



ACCOUNT 366 UNDERGROUND CONDUIT

PLACEMENT	BAND 1960-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	300,941 177,805 125,658 102,870 79,938 53,115 39,092 28,155 15,366 11,699 8,426 6,013	6,704 6,488 1,128 2,364 2,258 2,871 3,560 6,030 1,053 1,262	0.0223 0.0365 0.0090 0.0230 0.0282 0.0541 0.0911 0.2142 0.0685 0.1079 0.1284 0.0700	0.9635 0.9910 0.9770 0.9718 0.9459 0.9089 0.7858	75.35 73.67 70.98 70.34 68.73 66.78 63.17 57.42 45.12 42.03 37.50 32.68
51.5 52.5	321	321	1.0000		30.40



ORIGINAL CURVE = 1951-2017 PLACEMENTS 100 ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES 8 ORIGINAL AND SMOOTH SURVIVOR CURVES IOWA 45-R3 AGE IN YEARS 4 20 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



WYOMING PROPERTY

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1951-2017		EXPE	RIENCE BAN	D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	46,545,748	28,185	0.0006	0.9994	100.00
0.5	45,299,952	221,726	0.0049	0.9951	99.94
1.5	43,463,960	110,239	0.0025	0.9975	99.45
2.5	41,973,727	135,813	0.0032	0.9968	99.20
3.5	39,134,388	111,275	0.0028	0.9972	98.88
4.5	36,674,784	83,425	0.0023	0.9977	98.60
5.5	34,269,717	151,100	0.0044	0.9956	98.37
6.5	31,877,589	42,177	0.0013	0.9987	97.94
7.5	29,969,623	73,834	0.0025	0.9975	97.81
8.5	28,567,212	72,207	0.0025	0.9975	97.57
9.5	26,589,760	48,217	0.0018	0.9982	97.32
10.5	23,764,060	49,202	0.0021	0.9979	97.14
11.5	22,124,293	62,890	0.0028	0.9972	96.94
12.5	20,749,879	173,445	0.0084	0.9916	96.67
13.5	19,356,294	35,611	0.0018	0.9982	95.86
14.5	18,482,727	55,021	0.0030	0.9970	95.68
15.5	17,753,810	23,162	0.0013	0.9987	95.40
16.5	16,788,459	71,966	0.0043	0.9957	95.27
17.5	16,211,209	71,965	0.0044	0.9956	94.87
18.5	15,508,026	43,036	0.0028	0.9972	94.44
19.5	14,269,232	21,574	0.0015	0.9985	94.18
20.5	13,005,607	17,506	0.0013	0.9987	94.04
21.5	11,735,893	29,854	0.0025	0.9975	93.91
22.5	10,805,268	27,671	0.0026	0.9974	93.67
23.5	10,094,218	29,857	0.0030	0.9970	93.43
24.5	9,175,861	28,076	0.0031	0.9969	93.16
25.5	9,015,189	46,903	0.0052	0.9948	92.87
26.5	8,266,737	16,387	0.0020	0.9980	92.39
27.5	8,173,710	16,485	0.0020	0.9980	92.21
28.5	7,825,728	15,541	0.0020	0.9980	92.02
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	7,565,025 7,331,810 6,646,270 6,337,329 5,821,846 5,402,075 4,561,268 3,760,171 2,796,348 2,220,689	37,752 23,044 26,316 36,119 50,454 25,200 42,289 42,538 28,841 41,464	0.0050 0.0031 0.0040 0.0057 0.0087 0.0047 0.0093 0.0113 0.0103	0.9950 0.9969 0.9960 0.9943 0.9913 0.9953 0.9907 0.9887 0.9897	91.84 91.38 91.09 90.73 90.21 89.43 89.02 88.19 87.19 86.29



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1951-2017		EXPER	RIENCE BAN	D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	1,677,102 1,185,442 720,079 422,745 251,702 104,463 65,201 39,966 32,748 24,596	43,729 74,434 29,016 21,235 12,104 8,050 7,012 2,591 2,239 2,451	0.0261 0.0628 0.0403 0.0502 0.0481 0.0771 0.1075 0.0648 0.0684 0.0997	0.9739 0.9372 0.9597 0.9498 0.9519 0.9229 0.8925 0.9352 0.9316 0.9003	84.68 82.47 77.30 74.18 70.45 67.07 61.90 55.24 51.66 48.13
49.5 50.5 51.5	14,960 5,451	1,443 2,419	0.0965 0.4438	0.9035 0.5562	43.33 39.15 21.77



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1921-2017 PLACEMENTS 100 8 IOWA 40-R1.5 AGE IN YEARS 4 20 70 8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 368 LINE TRANSFORMERS ORIGINAL AND SMOOTH SURVIVOR CURVES

WYOMING PROPERTY

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1921-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	129,679,391 125,538,734 118,957,319 112,120,633 104,990,358 99,839,767 94,075,999 87,143,447 81,839,520 76,513,835	385,907 1,561,826 1,486,155 1,352,174 962,267 1,136,730 1,017,802 1,230,180 785,537 793,083	0.0030 0.0124 0.0125 0.0121 0.0092 0.0114 0.0108 0.0141 0.0096 0.0104	0.9970 0.9876 0.9875 0.9879 0.9908 0.9886 0.9892 0.9859 0.9904 0.9896	100.00 99.70 98.46 97.23 96.06 95.18 94.10 93.08 91.76 90.88
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	71,266,502 65,960,635 63,176,030 59,739,557 56,849,445 54,463,901 52,439,234 50,265,225 47,713,759 45,945,353	791,293 585,986 557,175 462,583 492,990 370,556 401,587 359,127 337,638 327,159	0.0111 0.0089 0.0088 0.0077 0.0087 0.0068 0.0077 0.0071 0.0071	0.9889 0.9911 0.9912 0.9923 0.9913 0.9932 0.9929 0.9929 0.9929	89.94 88.94 88.15 87.37 86.70 85.95 85.36 84.71 84.10 83.51
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	46,334,439 44,860,640 42,972,043 40,500,633 37,587,159 35,740,830 33,768,931 31,903,216 30,683,967 28,610,991	336,634 414,027 393,041 378,315 356,646 398,816 565,259 443,111 534,437 410,774	0.0073 0.0092 0.0091 0.0093 0.0095 0.0112 0.0167 0.0139 0.0174 0.0144	0.9927 0.9908 0.9909 0.9907 0.9905 0.9888 0.9833 0.9861 0.9826 0.9856	82.91 82.31 81.55 80.80 80.05 79.29 78.41 77.09 76.02 74.70
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5	26,483,247 24,444,206 22,396,677 20,649,228 17,585,043 15,855,352 13,735,143 11,716,953 9,545,978 7,682,550	458,117 357,256 354,890 551,996 239,592 296,707 284,881 383,761 232,023 291,464	0.0173 0.0146 0.0158 0.0267 0.0136 0.0187 0.0207 0.0328 0.0243 0.0379	0.9827 0.9854 0.9842 0.9733 0.9864 0.9813 0.9793 0.9672 0.9757 0.9621	73.63 72.35 71.29 70.16 68.29 67.36 66.10 64.73 62.61 61.09

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1921-2017		EXPE	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	6,106,880	186,868	0.0306	0.9694	58.77
40.5	5,193,899	97,603	0.0188	0.9812	56.97
41.5	4,573,330	98,662	0.0216	0.9784	55.90
42.5	4,034,580	70,557	0.0175	0.9825	54.69
43.5	3,450,578	104,217	0.0302	0.9698	53.74
44.5	2,958,849	191,824	0.0648	0.9352	52.11
45.5	2,502,409	247,417	0.0989	0.9011	48.74
46.5	2,091,454	184,862	0.0884	0.9116	43.92
47.5	1,786,946	231,719	0.1297	0.8703	40.03
48.5	1,452,303	236,685	0.1630	0.8370	34.84
49.5	1,089,678	325,349	0.2986	0.7014	29.17
50.5	688,439	68,426	0.0994	0.9006	20.46
51.5	599,278	25,576	0.0427	0.9573	18.42
52.5	554,919	33,106	0.0597	0.9403	17.64
53.5	493,484	43,475	0.0881	0.9119	16.59
54.5	435,713	60,414	0.1387	0.8613	15.12
55.5	342,805	28,541	0.0833	0.9167	13.03
56.5	306,163	34,708	0.1134	0.8866	11.94
57.5	252,079	22,901	0.0909	0.9091	10.59
58.5	228,033	9,745	0.0427	0.9573	9.63
59.5	218,288	40,475	0.1854	0.8146	9.22
60.5	177,813	10,914	0.0614	0.9386	7.51
61.5	166,899	5,526	0.0331	0.9669	7.05
62.5	159,523	39,373	0.2468	0.7532	6.81
63.5	93,306	13,427	0.1439	0.8561	5.13
64.5	79,879	5,735	0.0718	0.9282	4.39
65.5	74,144	10,691	0.1442	0.8558	4.08
66.5	63,452	8,323	0.1312	0.8688	3.49
67.5	55,130	1,621	0.0294	0.9706	3.03
68.5	53,508	4,545	0.0849	0.9151	2.94
69.5	48,963	405	0.0083	0.9917	2.69
70.5	46,245	3,128	0.0676	0.9324	2.67
71.5	40,754		0.0000	1.0000	2.49
72.5	39,504	5,196	0.1315	0.8685	2.49
73.5	32,111	4,063	0.1265	0.8735	2.16
74.5	27,887	760	0.0273	0.9727	1.89
75.5	27,126	1,572	0.0580	0.9420	1.84
76.5	25,111		0.0000	1.0000	1.73
77.5	23,308	322	0.0138	0.9862	1.73
78.5	21,000	717	0.0341	0.9659	1.71



ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1921-2017		EXPE	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5	19,362 17,397 16,270 15,759 14,642 11,582 11,314 10,327 7,836 6,626	183 2,414 268 184 890 378 173	0.0000 0.0000 0.0000 0.0116 0.1648 0.0231 0.0163 0.0861 0.0482 0.0262	1.0000 1.0000 0.9884 0.8352 0.9769 0.9837 0.9139 0.9518	1.65 1.65 1.65 1.65 1.63 1.36 1.33 1.31 1.19
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5	3,829 2,687 1,458 947 947 810 405	1,142 328 405	0.2983 0.1219 0.0000 0.0000 0.0000 0.5000 0.0000	0.8781 1.0000 1.0000 1.0000 0.5000	1.11 0.78 0.68 0.68 0.68 0.68 0.34



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1947-2017 PLACEMENTS 100 IOWA 60-R1.5 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



WYOMING PROPERTY ACCOUNT 369.1 OVERHEAD SERVICES ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 369.1 OVERHEAD SERVICES

PLACEMENT	BAND 1947-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	17,038,817	15,128	0.0009	0.9991	100.00
0.5	16,633,792	231,895	0.0139	0.9861	99.91
1.5	16,053,637	103,587	0.0065	0.9935	98.52
2.5	15,559,406	68,566	0.0044	0.9956	97.88
3.5	15,115,308	56,943	0.0038	0.9962	97.45
4.5	14,723,047	65,095	0.0044	0.9956	97.08
5.5	14,153,393	54,376	0.0038	0.9962	96.65
6.5	13,591,454	62,216	0.0046	0.9954	96.28
7.5	13,061,977	57,386	0.0044	0.9956	95.84
8.5	12,553,071	59,551	0.0047	0.9953	95.42
9.5	11,981,718	57,360	0.0048	0.9952	94.97
10.5	11,415,876	49,732	0.0044	0.9956	94.51
11.5	10,866,651	44,973	0.0041	0.9959	94.10
12.5	9,623,784	39,924	0.0041	0.9959	93.71
13.5	8,960,957	40,173	0.0045	0.9955	93.32
14.5	8,359,907	33,418	0.0040	0.9960	92.91
15.5	7,885,716	29,757	0.0038	0.9962	92.53
16.5	7,731,278	28,323	0.0037	0.9963	92.19
17.5	7,238,131	26,908	0.0037	0.9963	91.85
18.5	6,693,323	26,065	0.0039	0.9961	91.51
19.5	6,856,540	38,275	0.0056	0.9944	91.15
20.5	6,595,478	38,842	0.0059	0.9941	90.64
21.5	6,127,402	42,861	0.0070	0.9930	90.11
22.5	5,796,769	36,225	0.0062	0.9938	89.48
23.5	5,453,091	36,201	0.0066	0.9934	88.92
24.5	5,217,272	27,991	0.0054	0.9946	88.33
25.5	5,065,043	30,862	0.0061	0.9939	87.85
26.5	4,771,772	25,143	0.0053	0.9947	87.32
27.5	4,635,793	33,576	0.0072	0.9928	86.86
28.5	4,525,721	22,982	0.0051	0.9949	86.23
29.5	4,415,288	38,344	0.0087	0.9913	85.79
30.5	4,280,013	19,870	0.0046	0.9954	85.05
31.5	3,933,620	18,772			84.65
32.5	3,688,272	15,312	0.0042	0.9958	84.25
33.5	3,513,440	15,606	0.0044	0.9956	83.90
34.5	3,335,659	15,956	0.0048	0.9952	83.53
35.5	3,093,430	6,881	0.0022	0.9978	83.13
36.5	2,848,906	24,688	0.0087	0.9913	82.94
37.5	2,630,209	5,503	0.0021	0.9979	82.22
38.5	2,394,744	14,151	0.0059	0.9941	82.05



ACCOUNT 369.1 OVERHEAD SERVICES

PLACEMENT	BAND 1947-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	2,195,954 2,014,543 1,873,280 1,737,404 1,616,035 1,508,028 1,407,695 1,306,754 1,235,004 1,145,785	11,805 5,426 13,769 7,649 9,984 6,541 19,509 2,764 4,333 3,791	0.0054 0.0027 0.0073 0.0044 0.0062 0.0043 0.0139 0.0021 0.0035 0.0033	0.9946 0.9973 0.9927 0.9956 0.9938 0.9957 0.9861 0.9979 0.9965	81.57 81.13 80.91 80.31 79.96 79.47 79.12 78.02 77.86 77.59
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	1,081,949 1,015,260 952,833 880,386 771,924 654,140 558,015 467,981 377,373 292,607	1,828 1,158 1,362 1,445 17,887 14,541 16,650 13,880 14,708 11,865	0.0017 0.0011 0.0014 0.0016 0.0232 0.0222 0.0298 0.0297 0.0390 0.0406	0.9983 0.9989 0.9986 0.9984 0.9768 0.9778 0.9702 0.9703 0.9610 0.9594	77.33 77.20 77.11 77.00 76.87 75.09 73.42 71.23 69.12 66.43
59.5 60.5 61.5 62.5 63.5	218,109 163,035 110,464 74,309	11,993 8,741 11,760 1,435	0.0550 0.0536 0.1065 0.0193	0.9450 0.9464 0.8935 0.9807	63.73 60.23 57.00 50.93 49.95



ORIGINAL CURVE ■ 1968-2017 EXPERIENCE 1956-2017 PLACEMENTS 100 8 OWA 50-R4 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 369.2 UNDERGROUND SERVICES ORIGINAL AND SMOOTH SURVIVOR CURVES

WYOMING PROPERTY

ACCOUNT 369.2 UNDERGROUND SERVICES

PLACEMENT	BAND 1956-2017		EXPER	RIENCE BAN	D 1968-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	34,026,569 33,094,582 31,721,778 30,358,459 28,899,978 27,410,952 25,650,647 24,139,892 22,680,012 21,154,556	20,453 72,312 60,947 38,513 57,953 37,446 25,927 24,891 14,729 25,947	0.0006 0.0022 0.0019 0.0013 0.0020 0.0014 0.0010 0.0010 0.0010	0.9994 0.9978 0.9981 0.9987 0.9980 0.9990 0.9990 0.9994 0.9988	100.00 99.94 99.72 99.53 99.40 99.20 99.07 98.97 98.87 98.80
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	19,085,455 16,787,141 15,259,722 13,601,866 12,039,607 10,802,261 10,041,057 9,554,268 8,954,743 8,213,311	16,502 11,121 14,131 15,937 31,918 10,239 8,125 7,491 14,053 5,475	0.0009 0.0007 0.0009 0.0012 0.0027 0.0009 0.0008 0.0008 0.0016 0.0007	0.9991 0.9993 0.9991 0.9988 0.9973 0.9991 0.9992 0.9992 0.9984 0.9993	98.68 98.60 98.53 98.44 98.32 98.06 97.97 97.89 97.81
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	7,794,683 7,213,280 6,433,352 5,965,921 5,459,504 5,256,633 5,166,027 4,925,030 4,829,419 4,724,782	13,147 7,380 7,689 6,880 3,917 2,714 5,645 3,000 1,583 4,079	0.0017 0.0010 0.0012 0.0012 0.0007 0.0005 0.0011 0.0006 0.0003 0.0009	0.9983 0.9990 0.9988 0.9993 0.9995 0.9989 0.9994 0.9997 0.9991	97.60 97.43 97.33 97.22 97.10 97.03 96.98 96.88 96.82 96.79
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	4,581,503 4,437,087 4,082,329 3,811,113 3,520,245 3,101,424 2,586,551 2,115,778 1,667,276 1,189,391	4,239 4,965 2,290 2,834 2,596 2,836 3,839 2,118 4,176 2,796	0.0009 0.0011 0.0006 0.0007 0.0007 0.0009 0.0015 0.0010 0.0025 0.0024	0.9991 0.9989 0.9994 0.9993 0.9993 0.9991 0.9985 0.9990 0.9975	96.70 96.61 96.51 96.45 96.38 96.31 96.22 96.08 95.98

ACCOUNT 369.2 UNDERGROUND SERVICES

PLACEMENT	BAND 1956-2017		EXPER	RIENCE BAN	D 1968-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	844,325	7,392	0.0088	0.9912	95.52
40.5	563,491	21,420	0.0380	0.9620	94.68
41.5	341,547	13,386	0.0392	0.9608	91.08
42.5	207,764	15,425	0.0742	0.9258	87.51
43.5	100,466	12,381	0.1232	0.8768	81.01
44.5	52,807	1,588	0.0301	0.9699	71.03
45.5	32,019	2,244	0.0701	0.9299	68.89
46.5	20,458	979	0.0478	0.9522	64.07
47.5	15,531	889	0.0572	0.9428	61.00
48.5	10,079	1,767	0.1753	0.8247	57.51
49.5	5,438	371	0.0682	0.9318	47.43
50.5					44.19



▲ 1988-2017 EXPERIENCE 1962-2017 PLACEMENTS ORIGINAL CURVE ■ 1932-2017 PLACEMENTS 100 ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES ORIGINAL AND SMOOTH SURVIVOR CURVES 8 WYOMING PROPERTY AGE IN YEARS PACIFICORP IOWA 30-01 4 20 8 8 9 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1932-2017 EXPERIENCE BAND 1963-2017 EXPOSURES AT AGE AT RETIREMENTS PCT SURV BEGIN OF BEGIN OF BEGINNING OF DURING AGE RETMT SURV INTERVAL AGE INTERVAL INTERVAL RATIO INTERVAL RATIO 0.0 1,689,882 1,095 0.0006 0.9994 100.00 0.5 1,795,547 60,101 0.0335 0.9665 99.94 49,148 1.5 1,726,320 0.0285 0.9715 96.59 2.5 1,662,742 57,667 0.0347 0.9653 93.84 3.5 90.59 1,584,622 65,611 0.0414 0.9586 4.5 1,503,823 68,426 0.0455 0.9545 86.84 5.5 1,417,193 55,180 0.0389 0.9611 82.88 6.5 1,351,808 48,089 0.0356 0.9644 79.66 7.5 47,283 0.0367 76.82 1,288,826 0.9633 8.5 1,228,788 45,708 0.0372 74.00 0.9628 9.5 1,161,915 40,759 0.0351 0.9649 71.25 0.9699 10.5 1,108,713 33,327 0.0301 68.75 1,071,154 66.69 11.5 39,069 0.0365 0.9635 12.5 1,020,456 29,233 0.0286 0.9714 64.25 984,503 13.5 25,419 0.0258 0.9742 62.41 14.5 947,491 25,147 0.0265 0.9735 60.80 15.5 916,211 59.19 19,617 0.0214 0.9786 20,039 16.5 897,036 0.0223 0.9777 57.92 17.5 869,376 15,549 0.0179 0.9821 56.63 18.5 851,836 18,077 0.0212 0.9788 55.61 19.5 827,015 18,567 0.0225 0.9775 54.43 20.5 802,942 13,764 0.0171 0.9829 53.21 21.5 785,214 22,521 0.0287 0.9713 52.30 758,216 22.5 10,204 0.0135 0.9865 50.80 23.5 744,277 12,899 0.0173 0.9827 50.12 24.5 726,301 16,440 0.0226 0.9774 49.25 25.5 698,085 11,976 0.0172 0.9828 48.13 26.5 685,004 10,561 0.0154 0.9846 47.31 27.5 645,720 9,335 0.9855 46.58 0.0145 28.5 632,438 7,928 0.0125 0.9875 45.90 29.5 618,751 7,018 0.0113 0.9887 45.33 605,266 8,147 0.0135 30.5 0.9865 44.81 31.5 576,544 7,021 0.0122 0.9878 44.21 32.5 561,032 6,976 0.0124 0.9876 43.67 33.5 541,236 5,422 0.0100 0.9900 43.13 511,649 5,561 42.70 34.5 0.0109 0.9891 35.5 455,902 5,956 0.0131 0.9869 42.23 36.5 408,492 7,828 0.0192 0.9808 41.68 37.5 378,149 13,365 0.0353 0.9647 40.88 4,987 0.0147 38.5 339,545 0.9853 39.44



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

PLACEMENT BAND 1932-2017 EXPE				RIENCE BAN	D 1963-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	303,443 265,813 230,218 200,200 177,186 156,904 136,323 114,118 92,284 75,813	6,484 3,856 2,486 3,540 2,807 2,845 2,038 2,332 2,497 3,290	0.0177 0.0158 0.0181 0.0150 0.0204	0.9786 0.9855 0.9892 0.9823 0.9842 0.9819 0.9850 0.9796 0.9729 0.9566	38.86 38.03 37.48 37.07 36.42 35.84 35.19 34.66 33.96 33.04
49.5 50.5 51.5 52.5 53.5 54.5 55.5	59,854 46,089 32,679 22,217 11,088 2,844	2,307 2,593 2,487 2,615 388 154	0.0385 0.0563 0.0761 0.1177 0.0350 0.0540	0.9615 0.9437 0.9239 0.8823 0.9650 0.9460	31.60 30.38 28.68 26.49 23.37 22.56 21.34



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1962-2017 EXPERIENCE BAND 1988-2017 EXPOSURES AT AGE AT RETIREMENTS PCT SURV BEGIN OF BEGIN OF BEGINNING OF DURING AGE RETMT SURV INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 353,085 803 0.0023 0.9977 100.00 0.5 361,961 5,134 0.0142 0.9858 99.77 6,597 375,459 1.5 0.0176 0.9824 98.36 2.5 8,517 0.0233 0.9767 96.63 366,066 3.5 352,197 3,860 0.9890 94.38 0.0110 6,691 4.5 369,560 0.0181 0.9819 93.35 5.5 416,809 10,865 0.0261 0.9739 91.66 6.5 0.9832 466,323 7,811 0.0168 89.27 7.5 7,094 0.0146 0.9854 87.77 485,693 8.5 506,989 11,593 0.0229 0.9771 86.49 9.5 520,006 11,145 0.0214 0.9786 84.51 10.5 544,929 9,966 0.0183 0.9817 82.70 0.9738 11.5 582,752 81.19 15,289 0.0262 12.5 605,209 12,199 0.0202 0.9798 79.06 13.5 10,664 0.0173 615,279 0.9827 77.46 14.5 619,430 12,768 0.0206 0.9794 76.12 15.5 626,124 9,078 0.0145 0.9855 74.55 16.5 644,813 10,376 0.0161 0.9839 73.47 17.5 661,554 8,826 0.0133 0.9867 72.29 18.5 670,581 12,980 0.0194 0.9806 71.33 19.5 668,250 12,279 0.0184 0.9816 69.94 20.5 666,319 9,597 0.0144 0.9856 68.66 21.5 665,244 10,020 0.0151 0.9849 67.67 22.5 661,074 8,209 0.0124 0.9876 66.65 23.5 662,677 9,886 0.0149 0.9851 65.82 24.5 666,419 11,015 0.0165 0.9835 64.84 25.5 679,276 7,215 0.0106 0.9894 63.77 9,113 26.5 668,879 0.0136 0.9864 63.09 27.5 627,648 8,033 0.0128 0.9872 62.23 28.5 614,281 7,399 0.0120 0.9880 61.44 29.5 600,200 5,661 0.0094 0.9906 60.70 587,865 0.0085 60.12 30.5 4,976 0.9915 31.5 562,314 5,034 0.0090 0.9910 59.62 32.5 548,788 4,962 0.0090 0.9910 59.08 33.5 531,007 4,361 0.0082 0.9918 58.55 34.5 502,481 4,382 0.0087 0.9913 58.07 35.5 447,913 3,879 0.0087 0.9913 57.56 36.5 402,579 4,433 0.0110 0.9890 57.06 37.5 375,631 11,978 0.0319 0.9681 56.43 38.5 338,415 4,064 0.0120 0.9880 54.63

ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

PLACEMENT 1	EXPER	RIENCE BAN	D 1988-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	303,236 265,813 230,218 200,200 177,186 156,904 136,323 114,118 92,284 75,813	6,277 3,856 2,486 3,540 2,807 2,845 2,038 2,332 2,497 3,290	0.0181 0.0150 0.0204	0.9793 0.9855 0.9892 0.9823 0.9842 0.9819 0.9850 0.9796 0.9729 0.9566	53.98 52.86 52.09 51.53 50.62 49.82 48.91 48.18 47.20 45.92
49.5 50.5 51.5 52.5 53.5 54.5 55.5	59,854 46,089 32,679 22,217 11,088 2,844	2,307 2,593 2,487 2,615 388 154	0.0385 0.0563 0.0761 0.1177 0.0350 0.0540	0.9615 0.9437 0.9239 0.8823 0.9650 0.9460	43.93 42.24 39.86 36.82 32.49 31.35 29.66



1952-2017 PLACEMENTS ORIGINAL CURVE = 1952-2017 PLACEMENTS 100 ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS IOWA 50-R0.5 ORIGINAL AND SMOOTH SURVIVOR CURVES 8 AGE IN YEARS 9 20 8 8 9 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



WYOMING PROPERTY

PACIFICORP

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

PLACEMENT 1	BAND 1952-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	9,633,452 9,673,480 9,467,684 9,362,628 9,185,493 8,899,963 8,682,762 8,500,662 8,182,191	9,378 117,389 76,070 102,723 80,524 76,469 90,883 84,851 75,712	0.0010 0.0121 0.0080 0.0110 0.0088 0.0086 0.0105 0.0100 0.0093	0.9990 0.9879 0.9920 0.9890 0.9912 0.9914 0.9895 0.9900 0.9907	100.00 99.90 98.69 97.90 96.82 95.97 95.15 94.15
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	7,503,912 7,054,799 6,542,436 6,368,490 6,208,405 5,923,776 5,802,590 5,592,007 5,333,644 5,173,715 4,902,585	66,207 92,344 80,989 59,175 42,921 51,504 62,953 71,753 62,608 44,307 47,562	0.0088 0.0131 0.0124 0.0093 0.0069 0.0087 0.0108 0.0128 0.0117 0.0086 0.0097	0.9912 0.9869 0.9876 0.9907 0.9931 0.9913 0.9892 0.9872 0.9883 0.9914 0.9903	92.35 91.54 90.34 89.22 88.39 87.78 87.02 86.07 84.97 83.97 83.25
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	4,748,984 4,501,572 4,340,702 4,137,546 3,976,466 3,786,071 3,654,436 3,501,030 3,398,752 3,313,958	45,519 70,017 33,777 32,276 28,179 29,423 48,879 42,162 21,726 25,397	0.0096 0.0156 0.0078 0.0078 0.0071 0.0078 0.0134 0.0120 0.0064 0.0077	0.9904 0.9844 0.9922 0.9922 0.9929 0.9922 0.9866 0.9880 0.9936 0.9923	82.44 81.65 80.38 79.76 79.14 78.58 77.96 76.92 76.00 75.51
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	3,190,044 3,074,524 2,931,757 2,592,567 2,402,230 2,153,906 1,742,808 1,502,189 1,366,825 1,300,832	27,519 43,882 25,128 19,023 19,796 13,956 11,923 11,367 14,545 10,093	0.0086 0.0143 0.0086 0.0073 0.0082 0.0065 0.0068 0.0076 0.0106	0.9914 0.9857 0.9914 0.9927 0.9918 0.9935 0.9932 0.9924 0.9894 0.9922	74.93 74.28 73.22 72.60 72.06 71.47 71.01 70.52 69.99 69.24

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

PLACEMENT 1	BAND 1952-2017		EXPER	RIENCE BANI) 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	1,181,740 997,662 867,938 817,946 783,939 728,420 707,344 664,677 631,823 583,502	17,719 11,909 14,145 12,569 17,463 8,625 26,573 17,364 15,503 13,796	0.0150 0.0119 0.0163 0.0154 0.0223 0.0118 0.0376 0.0261 0.0245 0.0236	0.9850 0.9881 0.9837 0.9846 0.9777 0.9882 0.9624 0.9739 0.9755	68.71 67.68 66.87 65.78 64.77 63.32 62.57 60.22 58.65 57.21
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	533,248 478,698 371,931 310,687 234,664 177,816 143,184 127,148 122,061 113,708	23,153 18,344 18,892 23,335 18,305 3,145 4,736 2,145 4,239 2,422	0.0434 0.0383 0.0508 0.0751 0.0780 0.0177 0.0331 0.0169 0.0347 0.0213	0.9566 0.9617 0.9492 0.9249 0.9220 0.9823 0.9669 0.9831 0.9653 0.9787	55.86 53.43 51.39 48.78 45.11 41.59 40.86 39.51 38.84 37.49
59.5 60.5 61.5 62.5 63.5	110,101 108,821 104,567 103,237	571 455 1,330 1,195	0.0052 0.0042 0.0127 0.0116	0.9948 0.9958 0.9873 0.9884	36.69 36.50 36.35 35.89 35.47



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

PLACEMENT	BAND 1952-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	6,304,148 6,327,526 6,235,104 6,435,358 6,405,149 6,367,014 6,648,171	9,378 60,028 36,193 66,374 52,289 50,327 64,900	0.0015 0.0095 0.0058 0.0103 0.0082 0.0079 0.0098	0.9985 0.9905 0.9942 0.9897 0.9918 0.9921 0.9902	100.00 99.85 98.90 98.33 97.32 96.52 95.76
6.5 7.5 8.5	6,689,521 6,560,257 5,951,115	57,953 55,936 47,096	0.0087 0.0085 0.0079	0.9913 0.9915 0.9921	94.82 94.00 93.20
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	5,640,427 5,333,995 5,272,366 5,025,087 4,788,256 4,628,409 4,455,979 4,240,433 4,139,490 3,929,971 3,838,675	56,687 63,865 34,042 27,537 30,236 40,604 49,361 26,982 26,125 28,171 26,795	0.0101 0.0120 0.0065 0.0055 0.0063 0.0088 0.0111 0.0064 0.0063 0.0072	0.9899 0.9880 0.9935 0.9945 0.9937 0.9912 0.9889 0.9936 0.9937 0.9928	92.46 91.53 90.44 89.85 89.36 88.80 88.02 87.04 86.49 85.94
20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	3,656,893 3,641,417 3,510,375 3,442,789 3,337,763 3,297,559 3,173,964 3,142,683 3,071,686	30,162 15,987 24,713 22,449 21,060 44,728 31,874 15,914 20,767	0.0082 0.0044 0.0070 0.0065 0.0063 0.0136 0.0100 0.0051 0.0068	0.9918 0.9956 0.9930 0.9935 0.9937 0.9864 0.9900 0.9949 0.9932	84.73 84.03 83.66 83.07 82.53 82.01 80.90 80.09 79.68
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	2,957,589 2,860,230 2,754,185 2,427,233 2,394,482 2,146,173 1,742,808 1,502,189 1,366,825 1,300,832	22,424 17,691 20,127 19,023 19,781 13,447 11,923 11,367 14,545 10,093	0.0076 0.0062 0.0073 0.0078 0.0083 0.0063 0.0068 0.0076 0.0106	0.9924 0.9938 0.9927 0.9922 0.9917 0.9937 0.9932 0.9924 0.9894 0.9922	79.14 78.54 78.06 77.49 76.88 76.24 75.77 75.25 74.68 73.88

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

PLACEMENT	BAND 1952-2017		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	1,181,740 997,662 867,938 817,946 783,939 728,420 707,344 664,677 631,823 583,502	17,719 11,909 14,145 12,569 17,463 8,625 26,573 17,364 15,503 13,796	0.0150 0.0119 0.0163 0.0154 0.0223 0.0118 0.0376 0.0261 0.0245 0.0236	0.9850 0.9881 0.9837 0.9846 0.9777 0.9882 0.9624 0.9739 0.9755	73.31 72.21 71.35 70.19 69.11 67.57 66.77 64.26 62.58 61.05
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	533,248 478,698 371,931 310,687 234,664 177,816 143,184 127,148 122,061 113,708	23,153 18,344 18,892 23,335 18,305 3,145 4,736 2,145 4,239 2,422	0.0434 0.0383 0.0508 0.0751 0.0780 0.0177 0.0331 0.0169 0.0347 0.0213	0.9566 0.9617 0.9492 0.9249 0.9220 0.9823 0.9669 0.9831 0.9653 0.9787	59.60 57.02 54.83 52.05 48.14 44.38 43.60 42.15 41.44 40.00
59.5 60.5 61.5 62.5 63.5	110,101 108,821 104,567 103,237	571 455 1,330 1,195	0.0052 0.0042 0.0127 0.0116	0.9948 0.9958 0.9873 0.9884	39.15 38.95 38.79 38.29 37.85



ORIGINAL CURVE ■ 1992-2017 EXPERIENCE 1992-2007 PLACEMENTS 100 8 ORIGINAL AND SMOOTH SURVIVOR CURVES **IOWA 55-R4** AGE IN YEARS 4 20 70 20-8 8 9 20 РЕВСЕИТ ЗИВУІЛІИС



WYOMING PROPERTY ACCOUNT 389.2 LAND RIGHTS

PACIFICORP

ACCOUNT 389.2 LAND RIGHTS

PLACEMENT H	BAND 1992-2007		EXPE	RIENCE BAN	D 1992-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	74,342 74,342 74,342 74,342 74,342 74,342 74,342 74,342 74,342 74,342		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	74,342 74,342 23,404 1,496 1,496 1,496 1,496 1,496 1,496 1,496	27	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9819	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
19.5 20.5 21.5 22.5 23.5 24.5 25.5	1,469 1,469 1,469 1,469 1,052		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000	98.19 98.19 98.19 98.19 98.19 98.19 98.19



ORIGINAL CURVE ■ 1930-2017 EXPERIENCE 1910-2017 PLACEMENTS 100 IOWA 50-R2 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

WYOMING PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1910-2017		EXPER	RIENCE BAN	D 1930-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0 0.5	19,989,094 16,594,956	50 28,829	0.0000 0.0017	1.0000 0.9983	100.00
1.5	16,024,316	9,495	0.0006	0.9994	99.83
2.5	15,607,587	51,035	0.0033	0.9967	99.77
3.5	15,253,405	26,954	0.0018	0.9982	99.44
4.5	14,552,107	244,121	0.0168	0.9832	99.26
5.5	13,285,875	134,079	0.0101	0.9899	97.60
6.5	10,695,520	15,666	0.0015	0.9985	96.61
7.5	10,203,372	3,079	0.0003	0.9997	96.47
8.5	10,031,786	4,246	0.0004	0.9996	96.44
9.5	9,798,396	7,784	0.0008	0.9992	96.40
10.5	9,661,839	10,314	0.0011	0.9989	96.33
11.5	8,914,389	12,961	0.0015	0.9985	96.22
12.5	8,593,720	53,852	0.0063	0.9937	96.08
13.5	8,382,675	5,285	0.0006	0.9994	95.48
14.5	8,208,453	7,827	0.0010	0.9990	95.42
15.5	8,133,154	4,858	0.0006	0.9994	95.33
16.5	8,016,178	6,606	0.0008	0.9992	95.27
17.5	7,852,840	20,131	0.0026	0.9974	95.20
18.5	7,714,484	32,252	0.0042	0.9958	94.95
19.5	7,331,890	106,783	0.0146	0.9854	94.55
20.5	6,524,851	21,732	0.0033	0.9967	93.18
21.5	6,267,580	56,275	0.0090	0.9910	92.87
22.5	5,727,722	65,115	0.0114	0.9886	92.03
23.5	5,324,540	54,270	0.0102	0.9898	90.99
24.5	5,044,595	24,808	0.0049	0.9951	90.06
25.5	4,730,542	21,415	0.0045	0.9955	89.62
26.5	4,301,783	43,373	0.0101	0.9899	89.21
27.5	3,204,329	13,560	0.0042	0.9958	88.31
28.5	3,049,536	11,687	0.0038	0.9962	87.94
29.5	2,781,681	24,193	0.0087	0.9913	87.60
30.5	2,328,350	9,732	0.0042	0.9958	86.84
31.5	2,032,150	83,201	0.0409	0.9591	86.48
32.5	1,771,844	2,447	0.0014	0.9986	82.94
33.5	1,115,651	17,887	0.0160	0.9840	82.82
34.5	1,082,889	14,985	0.0138	0.9862	81.49
35.5	462,598	27,273	0.0590	0.9410	80.37
36.5	196,004	799	0.0041	0.9959	75.63
37.5	177,516	559	0.0031	0.9969	75.32
38.5	124,501	262	0.0021	0.9979	75.08



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT 1	BAND 1910-2017		EXPER	RIENCE BAN	D 1930-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5 49.5 50.5 51.5 52.5	124,239 120,906 120,726 110,586 107,994 107,371 107,371 102,140 69,365 64,859 63,856 62,327 50,096 50,011	416 179 1,051 30 623 1,800 3,278	0.0033 0.0015 0.0087 0.0003 0.0058 0.0000 0.0000 0.0176 0.0473 0.0000 0.1140 0.0017 0.0014	0.9967 0.9985 0.9913 0.9997 0.9942 1.0000 1.0000 0.9824 0.9527 1.0000 1.0000 0.8860 0.9983 0.9986	74.92 74.67 74.56 73.91 73.89 73.47 73.47 73.47 72.17 68.76 68.76 68.76 60.92 60.82
54.5 55.5 56.5 57.5 58.5	14,873 14,873 14,820 13,672 10,408	10,408	0.0000 0.0036 0.0000 0.0000 1.0000	1.0000 0.9964 1.0000 1.0000	60.74 60.74 60.52 60.52 60.52
59.5					



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AGE IN YEARS

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ORIGINAL CURVE ■ 1951-2017 EXPERIENCE 1951-2017 PLACEMENTS 1998-2017 EXPERIENCE 1966-2017 PLACEMENTS ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS ORIGINAL AND SMOOTH SURVIVOR CURVES WYOMING PROPERTY PACIFICORP IOWA 14-S1.5



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РЕКСЕИТ ЅИВУІУІИĠ

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ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT	BAND 1951-2017		EXPER	RIENCE BAN	D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	8,777,231 7,925,532 7,674,505 7,178,935 7,041,271 6,999,462 6,876,563 6,606,842 6,294,022	1 4,631 48,550 63,464 180,598 284,698 472,157	0.0000 0.0000 0.0000 0.0006 0.0069 0.0091 0.0263 0.0431 0.0750	1.0000 1.0000 1.0000 0.9994 0.9931 0.9909 0.9737 0.9569 0.9250	100.00 100.00 100.00 100.00 99.94 99.25 98.35 95.76 91.64
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5	5,467,582 4,789,046 4,465,997 3,574,090 2,609,720 2,049,487 1,617,231 1,190,317 978,668	361,907 299,935 434,382 325,394 215,658 140,308 88,695 98,891 66,436	0.0662 0.0626 0.0973 0.0910 0.0826 0.0685 0.0548 0.0831 0.0679	0.9338 0.9374 0.9027 0.9090 0.9174 0.9315 0.9452 0.9169 0.9321	84.76 79.15 74.19 66.98 60.88 55.85 52.03 49.17 45.09
17.5 18.5 19.5 20.5 21.5 22.5 23.5 24.5 25.5	870,718 743,813 734,318 584,959 449,706 371,076 234,501 131,025 104,507	47,795 9,495 64,692 58,086 38,928 17,686	0.0549 0.0128 0.0881 0.0993 0.0866 0.0477 0.0000 0.0000	0.9451 0.9872 0.9119 0.9007 0.9134 0.9523 1.0000 1.0000 0.8725	42.03 39.72 39.21 35.76 32.21 29.42 28.02 28.02 28.02
26.5 27.5 28.5 29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5	39,012 34,447 34,447 34,447 34,447 11,772 11,772 700 700 700		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	24.45 24.45 24.45 24.45 24.45 24.45 24.45 24.45 24.45 24.45 24.45
37.5 38.5	700 700		0.0000	1.0000	24.45 24.45



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT	BAND 1951-2017		EXPER	RIENCE BAN	D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	700 700 700 700 700 700 700 700 700 700	700	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	24.45 24.45 24.45 24.45 24.45 24.45 24.45 24.45 24.45 24.45
50.5 51.5	700	700	1.0000		24.45



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT	BAND 1966-2017		EXPER	RIENCE BAN	ID 1998-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	6,282,267		0.0000	1.0000	100.00
0.5	5,686,071		0.0000	1.0000	100.00
1.5	5,710,701		0.0000	1.0000	100.00
2.5	5,553,439		0.0000	1.0000	100.00
3.5	5,902,570	48,549	0.0082	0.9918	100.00
4.5	6,228,642	63,463	0.0102	0.9898	99.18
5.5	6,324,394	180,598	0.0286	0.9714	98.17
6.5	6,236,969	238,407	0.0382	0.9618	95.36
7.5	5,997,529	465,991	0.0777	0.9223	91.72
8.5	5,233,150	344,110	0.0658	0.9342	84.59
9.5	4,580,123	299,935	0.0655	0.9345	79.03
10.5	4,261,210	409,802	0.0962	0.9038	73.85
11.5	3,416,557	309,463	0.0906	0.9094	66.75
12.5	2,494,893	206,775	0.0829	0.9171	60.71
13.5	1,962,641	127,567	0.0650	0.9350	55.67
14.5	1,566,353	74,450	0.0475	0.9525	52.06
15.5	1,166,520	98,891	0.0848	0.9152	49.58
16.5	958,203	60,489	0.0631	0.9369	45.38
17.5	852,948	40,370	0.0473	0.9527	42.51
18.5	733,468	6,965	0.0095	0.9905	40.50
19.5	726,503	64,692	0.0890	0.9110	40.12
20.5	577,144	58,086	0.1006	0.8994	36.54
21.5	441,891	31,813	0.0720	0.9280	32.87
22.5	370,376	17,686	0.0478	0.9522	30.50
23.5	233,801		0.0000	1.0000	29.04
24.5	130,325		0.0000	1.0000	29.04
25.5	103,807	13,322	0.1283	0.8717	29.04
26.5	38,312		0.0000	1.0000	25.32
27.5	33,747		0.0000	1.0000	25.32
28.5	33,747		0.0000	1.0000	25.32
29.5	33,747		0.0000	1.0000	25.32
30.5	33,747		0.0000	1.0000	25.32
31.5	11,772		0.0000	1.0000	25.32
32.5	11,772		0.0000	1.0000	25.32
33.5	11,772		0.0000	1.0000	25.32
34.5	700		0.0000	1.0000	25.32
35.5	700		0.0000	1.0000	25.32
36.5	700		0.0000	1.0000	25.32
37.5	700		0.0000	1.0000	25.32
38.5	700		0.0000	1.0000	25.32

ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT	BAND 1966-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	700		0.0000	1.0000	25.32
40.5	700		0.0000	1.0000	25.32
41.5	700		0.0000	1.0000	25.32
42.5	700		0.0000	1.0000	25.32
43.5	700		0.0000	1.0000	25.32
44.5	700		0.0000	1.0000	25.32
45.5	700		0.0000	1.0000	25.32
46.5	700		0.0000	1.0000	25.32
47.5	700		0.0000	1.0000	25.32
48.5	700		0.0000	1.0000	25.32
49.5	700		0.0000	1.0000	25.32
50.5	700	700	1.0000		25.32
51.5					



ORIGINAL CURVE = 1951-2017 PLACEMENTS 20 ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 4 ORIGINAL AND SMOOTH SURVIVOR CURVES WYOMING PROPERTY AGE IN YEARS PACIFICORP **IDWA 16-L2** 20 9 100 70 30-8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1951-2017 EXPERIENCE BAND 1965-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGIN OF BEGINNING OF DURING AGE RETMT SURV INTERVAL AGE INTERVAL INTERVAL RATIO INTERVAL RATIO 0.0 11,697,325 0.0000 1.0000 100.00 0.5 9,973,047 0.0000 1.0000 100.00 9,605,049 1.5 0.0000 1.0000 100.00 2.5 9,305,302 105 0.0000 1.0000 100.00 3.5 9,295,191 64,341 0.0069 0.9931 100.00 107,796 4.5 8,959,846 0.0120 0.9880 99.31 5.5 8,753,548 247,423 0.0283 0.9717 98.11 6.5 8,333,133 360,877 0.0433 0.9567 95.34 7.5 0.0382 91.21 7,913,126 302,260 0.9618 8.5 6,499,375 441,078 0.0679 0.9321 87.73 9.5 5,690,513 286,148 0.0503 0.9497 81.77 0.9407 10.5 5,334,269 0.0593 77.66 316,426 73.05 375,939 11.5 4,294,273 0.0875 0.9125 12.5 2,998,833 350,199 0.1168 0.8832 66.66 13.5 2,259,263 250,353 0.1108 0.8892 58.87 14.5 53,879 0.0272 0.9728 52.35 1,977,429 15.5 1,581,812 81,755 0.0517 0.9483 50.92 16.5 1,359,706 69,554 0.0512 0.9488 48.29 17.5 1,122,900 77,750 0.0692 0.9308 45.82 18.5 999,298 29,658 0.0297 0.9703 42.65 19.5 969,640 89,386 0.0922 0.9078 41.38 20.5 753,332 21,454 0.0285 0.9715 37.57 21.5 705,096 0.0000 36.50 1.0000 9,485 22.5 649,699 0.0146 0.9854 36.50 23.5 617,701 70,218 0.1137 0.8863 35.97 24.5 351,267 37,001 0.1053 0.8947 31.88 25.5 251,532 20,178 0.0802 0.9198 28.52 192,907 26.5 29 0.0001 0.9999 26.23 27.5 174,983 32,384 26.23 0.1851 0.8149 28.5 126,822 1,865 0.0147 0.9853 21.37 29.5 124,957 23,830 0.8093 21.06 0.1907 64,192 30.5 5,728 0.0892 0.9108 17.04 31.5 58,464 0.0000 1.0000 15.52 32.5 24,395 0.0000 1.0000 15.52 33.5 24,395 24,395 1.0000 15.52 34.5



▲ 1998-2017 EXPERIENCE 1955-2017 PLACEMENTS ORIGINAL CURVE = 1934-2017 PLACEMENTS 100 ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS ORIGINAL AND SMOOTH SURVIVOR CURVES 80 WYOMING PROPERTY AGE IN YEARS PACIFICORP \mathbf{C} IOWA 35-S2 4 20 100 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.09 TRANSPORTATION EOUIPMENT - TRAILERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1934-2017 EXPERIENCE BAND 1964-2017 EXPOSURES AT AGE AT RETIREMENTS PCT SURV BEGIN OF BEGIN OF BEGINNING OF DURING AGE RETMT SURV INTERVAL AGE INTERVAL INTERVAL RATIO INTERVAL RATIO 0.0 4,059,742 0.0000 1.0000 100.00 0.5 3,948,875 0.0000 1.0000 100.00 1.5 3,958,783 0.0000 1.0000 100.00 2.5 3,405,432 1,549 0.9995 0.0005 100.00 1,558 3.5 3,391,808 0.0005 0.9995 99.95 2,599 99.91 4.5 3,294,115 0.0008 0.9992 3,272,314 5.5 0.0045 0.9955 99.83 14,750 6.5 3,021,029 0.0000 1.0000 99.38 7.5 0.0000 99.38 2,995,032 1.0000 8.5 2,974,606 31,688 0.0107 0.9893 99.38 9.5 2,648,839 0.0000 98.32 1.0000 10.5 2,283,447 915 0.0004 0.9996 98.32 2,022,721 98.28 11.5 827 0.0004 0.9996 12.5 1,963,218 0.0000 1.0000 98.24 2,636 98.24 13.5 1,918,229 0.0014 0.9986 14.5 1,875,593 291 0.0002 0.9998 98.11 982 0.0005 0.9995 98.09 15.5 1,834,349 16.5 1,831,998 8,633 0.0047 0.9953 98.04 17.5 1,808,934 672 0.0004 0.9996 97.58 18.5 1,792,204 22,742 0.0127 0.9873 97.54 19.5 1,670,173 75,266 0.0451 0.9549 96.30 8,754 0.9942 20.5 1,497,429 0.0058 91.96 91.43 21.5 1,448,351 8,410 0.0058 0.9942 22.5 948,785 11,524 0.0121 0.9879 90.89 23.5 766,647 71,055 0.0927 0.9073 89.79 24.5 577,191 11,739 0.0203 0.9797 81.47 25.5 400,244 3,002 0.0075 0.9925 79.81 26.5 340,420 8,750 0.0257 0.9743 79.21 27.5 283,002 0.0000 77.18 1.0000 28.5 259,329 1,350 0.0052 0.9948 77.18 29.5 245,702 25,221 0.1026 76.78 0.8974 216,437 5,739 0.0265 0.9735 30.5 68.89 31.5 205,271 3,772 0.0184 0.9816 67.07 32.5 188,791 12,380 0.0656 0.9344 65.83 33.5 148,093 0.0907 0.9093 61.52 13,428 34.5 121,861 0.0000 1.0000 55.94 35.5 103,759 0.0000 1.0000 55.94 777 36.5 99,227 0.0078 0.9922 55.94 37.5 80,150 1,033 0.0129 0.9871 55.50 38.5 78,967 0.0000 1.0000 54.79



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT :	BAND 1934-2017		EXPER	RIENCE BAN	D 1964-2017
AGE AT		RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	73,771	4,370	0.0592	0.9408	54.79
40.5	65,534		0.0000	1.0000	51.54
41.5	61,038	1,886	0.0309	0.9691	51.54
42.5	59,153	1,853	0.0313	0.9687	49.95
43.5	50,810		0.0000	1.0000	48.38
44.5	50,810	689	0.0136	0.9864	48.38
45.5	47,145	756	0.0160	0.9840	47.73
46.5	43,072	404	0.0094	0.9906	46.96
47.5	40,006		0.0000	1.0000	46.52
48.5	40,006		0.0000	1.0000	46.52
49.5	40,006		0.0000	1.0000	46.52
50.5	33,966	2,088	0.0615	0.9385	46.52
51.5	25,538		0.0000	1.0000	43.66
52.5	25,538		0.0000	1.0000	43.66
53.5	21,021		0.0000	1.0000	43.66
54.5	15,374		0.0000	1.0000	43.66
55.5	10,824		0.0000	1.0000	43.66
56.5	10,824		0.0000	1.0000	43.66
57.5	5,961		0.0000	1.0000	43.66
58.5	5,961		0.0000	1.0000	43.66
59.5					43.66



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT 1	BAND 1955-2017		EXPE	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	2,338,533 2,319,498 2,358,805 2,297,137 2,448,928 2,465,857 2,605,903 2,426,190 2,453,034 2,455,121	1,558	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 0.9994 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 99.94 99.94 99.94 99.94
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	2,177,752 1,818,012 1,638,894 1,593,809 1,585,771 1,634,279 1,653,019 1,664,132 1,672,465 1,655,904	827 2,636 725 8,633 653 21,209	0.0000 0.0000 0.0005 0.0000 0.0017 0.0000 0.0004 0.0052 0.0004 0.0128	1.0000 1.0000 0.9995 1.0000 0.9983 1.0000 0.9996 0.9948 0.9996	99.94 99.94 99.89 99.89 99.72 99.72 99.68 99.16 99.12
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	1,559,644 1,390,766 1,346,263 855,606 679,957 490,502 327,117 281,926 230,941 207,269	75,266 8,675 8,410 11,524 71,055 11,715 3,002 8,750	0.0483 0.0062 0.0062 0.0135 0.1045 0.0239 0.0092 0.0310 0.0000 0.0065	0.9517 0.9938 0.9938 0.9865 0.8955 0.9761 0.9908 0.9690 1.0000 0.9935	97.85 93.13 92.55 91.97 90.73 81.25 79.31 78.58 76.14
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	193,616 170,391 165,565 149,085 113,968 93,382 86,117 81,585 69,282 71,846	25,221 5,739 3,772 11,316 13,428	0.1303 0.0337 0.0228 0.0759 0.1178 0.0000 0.0000 0.0092 0.0000	0.8697 0.9663 0.9772 0.9241 0.8822 1.0000 1.0000 0.9908 1.0000	75.65 65.79 63.58 62.13 57.41 50.65 50.65 50.18 50.18

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT :	BAND 1955-2017		EXPE	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF	BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	72,611	4,370	0.0602	0.9398	50.18
40.5	64,374		0.0000	1.0000	47.16
41.5	59,879	1,886	0.0315	0.9685	47.16
42.5	59,153	1,853	0.0313	0.9687	45.68
43.5	50,810		0.0000	1.0000	44.24
44.5	50,810	689	0.0136	0.9864	44.24
45.5	47,145	756	0.0160	0.9840	43.65
46.5	43,072	404	0.0094	0.9906	42.94
47.5	40,006		0.0000	1.0000	42.54
48.5	40,006		0.0000	1.0000	42.54
49.5	40,006		0.0000	1.0000	42.54
50.5	33,966	2,088	0.0615	0.9385	42.54
51.5	25,538		0.0000	1.0000	39.93
52.5	25,538		0.0000	1.0000	39.93
53.5	21,021		0.0000	1.0000	39.93
54.5	15,374		0.0000	1.0000	39.93
55.5	10,824		0.0000	1.0000	39.93
56.5	10,824		0.0000	1.0000	39.93
57.5	5,961		0.0000	1.0000	39.93
58.5	5,961		0.0000	1.0000	39.93
59.5					39.93



ORIGINAL CURVE ■ 2000-2017 EXPERIENCE 1992-2017 PLACEMENTS 25 20 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS IOWA 9-S\$ 9 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

WYOMING PROPERTY

PACIFICORP

ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1992-2017 EXPERIENCE BAND 2000-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF DURING AGE RETMT SURV BEGIN OF AGE INTERVAL INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 6,325,197 0.0000 1.0000 100.00 0.5 5,294,355 0.0000 1.0000 100.00 1.5 5,294,355 0.0000 1.0000 100.00 2.5 4,181,483 0.0000 1.0000 100.00 3.5 4,213,691 89,843 0.0213 0.9787 100.00 4.5 4,183,804 0.0000 1.0000 97.87 5.5 3,881,934 494,963 0.1275 0.8725 97.87 6.5 2,279,592 290,824 0.1276 0.8724 85.39 7.5 2,135,096 486,628 0.2279 0.7721 74.50 8.5 1,519,573 374,445 0.2464 0.7536 57.52 9.5 1,145,129 306,003 0.2672 0.7328 43.34 10.5 732,883 0.8283 31.76 125,850 0.1717 26.31 11.5 496,814 0.0000 1.0000 12.5 301,643 0.0000 1.0000 26.31 13.5 301,643 0.0000 1.0000 26.31 14.5 301,643 0.0000 1.0000 26.31 15.5 133,294 0.0000 1.0000 26.31 16.5 133,294 0.0000 26.31 1.0000 17.5 58,129 0.0000 1.0000 26.31 58,129 18.5 58,129 1.0000 26.31



19.5

9 ORIGINAL CURVE = 1949-2017 PLACEMENTS 1998-2017 EXPERIENCE 1962-2017 PLACEMENTS 20 9 AGE IN YEARS OWA 15-L0 20 9 70 8 8 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

WYOMING PROPERTY

PACIFICORP

ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1949-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	74,158,919	117,261	0.0016	0.9984	100.00
0.5	67,744,128	449,868	0.0066	0.9934	99.84
1.5	63,891,274	838,925	0.0131	0.9869	99.18
2.5	60,997,617	2,796,533	0.0458	0.9542	97.88
3.5	55,653,059	6,382,934	0.1147	0.8853	93.39
4.5	48,886,842	1,948,650	0.0399	0.9601	82.68
5.5	42,679,735	4,229,558	0.0991	0.9009	79.38
6.5	34,817,122	1,969,887	0.0566	0.9434	71.52
7.5	32,353,969	1,342,172	0.0415	0.9585	67.47
8.5	30,334,008	2,534,842	0.0836	0.9164	64.67
9.5	25,614,163	1,413,303	0.0552	0.9448	59.27
10.5	22,788,658	1,429,666	0.0627	0.9373	56.00
11.5	19,857,975	2,043,371	0.1029	0.8971	52.48
12.5	16,510,414	2,225,082	0.1348	0.8652	47.08
13.5	12,358,383	527,041	0.0426	0.9574	40.74
14.5	10,861,404	438,808	0.0404	0.9596	39.00
15.5	9,309,103	260,203	0.0280	0.9720	37.42
16.5	8,560,312	292,091	0.0341	0.9659	36.38
17.5	7,814,701	399,077	0.0511	0.9489	35.14
18.5	7,240,611	825,099	0.1140	0.8860	33.34
19.5	5,815,037	640,314	0.1101	0.8899	29.54
20.5	4,833,022	631,168	0.1306	0.8694	26.29
21.5	3,744,415	28,367	0.0076	0.9924	22.86
22.5	3,534,872	20,965	0.0059	0.9941	22.68
23.5	2,958,596	47,720	0.0161	0.9839	22.55
24.5	2,783,477	53,334	0.0192	0.9808	22.19
25.5	1,899,940		0.0000	1.0000	21.76
26.5	1,832,803	9,804	0.0053	0.9947	21.76
27.5	1,726,703	469,064	0.2717	0.7283	21.64
28.5	1,245,269	86,326	0.0693	0.9307	15.76
29.5	1,155,279		0.0000	1.0000	14.67
30.5	1,075,234	4,004	0.0037	0.9963	14.67
31.5	1,060,012	_, -,	0.0000	1.0000	14.62
32.5	983,459		0.0000	1.0000	14.62
33.5	632,800		0.0000	1.0000	14.62
34.5	632,800	136,591	0.2159	0.7841	14.62
35.5	496,209	,	0.0000	1.0000	11.46
36.5	401,609		0.0000	1.0000	11.46
37.5	375,681	243,542	0.6483	0.3517	11.46
38.5	132,139	110,736	0.8380	0.1620	4.03
	•	•			

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT BAND 1949-2017 EXPERIENCE BAND 1967					D 1967-2017
AGE AT	EXPOSURES AT	RETIREMENTS		GIIDII	PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	21,403		0.0000	1.0000	0.65
40.5	21,403		0.0000	1.0000	0.65
41.5	21,403	11,039	0.5158	0.4842	0.65
42.5	10,364		0.0000	1.0000	0.32
43.5	10,364	2,830	0.2731	0.7269	0.32
44.5	7,534	2,500	0.3318	0.6682	0.23
45.5	5,034		0.0000	1.0000	0.15
46.5	5,034		0.0000	1.0000	0.15
47.5	5,034		0.0000	1.0000	0.15
48.5	5,034		0.0000	1.0000	0.15
49.5	5,034		0.0000	1.0000	0.15
50.5	5,034		0.0000	1.0000	0.15
51.5	5,034		0.0000	1.0000	0.15
52.5	5,034		0.0000	1.0000	0.15
53.5	5,034		0.0000	1.0000	0.15
54.5	5,034		0.0000	1.0000	0.15
55.5					0.15



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1962-2017 EXPERIENCE BAND 1998-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGIN OF BEGINNING OF DURING AGE RETMT SURV INTERVAL AGE INTERVAL INTERVAL INTERVAL RATIO RATIO 0.0 56,087,424 117,261 0.0021 0.9979 100.00 0.5 50,787,699 386,652 0.0076 0.9924 99.79 48,303,259 1.5 706,147 0.0146 0.9854 99.03 2.5 47,263,598 2,380,294 0.0504 97.58 0.9496 3.5 92.67 44,640,982 5,540,661 0.1241 0.8759 4.5 39,377,253 1,629,016 0.0414 0.9586 81.17 5.5 35,462,187 3,751,416 0.1058 77.81 0.8942 6.5 29,069,718 1,846,006 0.0635 0.9365 69.58 7.5 27,140,211 931,296 0.0343 0.9657 65.16 8.5 26,078,753 2,334,040 0.0895 0.9105 62.92 9.5 21,629,166 0.0515 0.9485 57.29 1,113,769 0.9287 10.5 19,476,143 0.0713 54.34 1,389,309 2,023,031 50.47 11.5 17,262,341 0.1172 0.8828 12.5 14,386,073 2,190,089 0.1522 0.8478 44.55 13.5 10,764,068 505,069 0.0469 0.9531 37.77 14.5 9,347,016 430,082 0.0460 0.9540 36.00 15.5 8,112,310 245,657 0.0303 0.9697 34.34 16.5 7,469,834 273,265 0.0366 0.9634 33.30 17.5 6,937,814 284,504 0.0410 0.9590 32.08 18.5 6,774,211 806,962 0.1191 0.8809 30.77 19.5 5,379,956 603,428 0.1122 0.8878 27.10 20.5 4,598,896 624,796 0.1359 0.8641 24.06 21.5 3,562,282 21,523 0.0060 20.79 0.9940 22.5 0.9950 3,360,214 16,635 0.0050 20.67 23.5 2,924,860 44,591 0.0152 0.9848 20.57 24.5 2,752,869 53,334 0.0194 0.9806 20.25 25.5 1,880,371 0.0000 1.0000 19.86 0.0054 26.5 9,804 0.9946 19.86 1,820,525 27.5 467,150 0.2725 0.7275 19.75 1,714,425 28.5 1,234,905 86,326 0.0699 0.9301 14.37 29.5 1,144,915 0.0000 1.0000 13.37 30.5 1,064,871 4,004 0.0038 0.9962 13.37 31.5 1,049,648 0.0000 1.0000 13.32 32.5 973,095 0.0000 1.0000 13.32 33.5 622,436 0.0000 1.0000 13.32 622,436 136,591 34.5 0.2194 0.7806 13.32 35.5 490,879 0.0000 1.0000 10.39 36.5 396,279 0.0000 1.0000 10.39 370,351 37.5 243,542 0.6576 0.3424 10.39 38.5 126,809 110,736 0.8733 0.1267 3.56



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1962-2017		EXPE	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	16,073 16,073 16,073 5,034 5,034 5,034 5,034 5,034 5,034	11,039	0.0000 0.0000 0.6868 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 0.3132 1.0000 1.0000	0.45 0.45 0.45 0.14 0.14 0.14 0.14 0.14
49.5 50.5 51.5 52.5 53.5 54.5 55.5	5,034 5,034 5,034 5,034 5,034 5,034		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	0.14 0.14 0.14 0.14 0.14 0.14



CALIFORNIA PROPERTY



ORIGINAL CURVE ■ 1936-2017 EXPERIENCE 1936-2015 PLACEMENTS 100 IOWA 65-R4 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ORIGINAL AND SMOOTH SURVIVOR CURVES

CALIFORNIA PROPERTY ACCOUNT 360.2 LAND RIGHTS

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT 1	BAND 1936-2015		EXPER	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	605,930 625,936 646,710 605,905 608,239 614,848 637,364 683,902 675,768 676,898		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	681,536 694,436 702,072 717,288 725,930 736,043 741,991 744,842 749,939 763,942		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	779,912 798,360 815,132 851,666 856,163 904,563 902,395 899,750 889,517 885,667		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	864,921 862,420 797,775 797,775 797,775 952,039 939,396 929,212 921,332 892,197	5,563 5,995 6,850 13,374 9,889	0.0000 0.0000 0.0000 0.0000 0.0058 0.0064 0.0074 0.0145 0.0111	1.0000 1.0000 1.0000 1.0000 0.9942 0.9936 0.9926 0.9855 0.9889	100.00 100.00 100.00 100.00 100.00 100.00 99.42 98.78 98.05 96.63

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT BAND 1936-2015		EXPE	RIENCE BAN	0 1971-2017
AGE AT EXPOSURES AT BEGIN OF BEGINNING OF INTERVAL AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 848,965 40.5 809,941 41.5 778,235 42.5 729,974 43.5 675,373 44.5 638,126 45.5 604,708 46.5 550,958 47.5 524,669	5,274 5,466 7,034 6,283 7,711	0.0075 0.0105 0.0061 0.0122 0.0078 0.0086 0.0116 0.0114		95.56 94.84 93.85 93.28 92.14 91.42 90.64 89.58 88.56
48.5 496,184 49.5 463,275 50.5 415,058 51.5 392,275 52.5 349,939 53.5 276,679 54.5 259,062 55.5 242,199 56.5 232,220 57.5 219,319 58.5 211,682	7,591 7,698 7,874 2,936 6,805 13,735 6,306 2,501	0.0153 0.0166 0.0190 0.0075 0.0194 0.0496 0.0243 0.0103 0.0000 0.0000	0.9847 0.9834 0.9810 0.9925 0.9806 0.9504 0.9757 0.9897 1.0000 1.0000	87.26 85.93 84.50 82.90 82.28 80.68 76.67 74.80 74.03 74.03
59.5 196,466 60.5 187,825 61.5 177,711 62.5 171,762 63.5 168,911 64.5 163,815 65.5 149,811 66.5 132,983 67.5 112,025 68.5 94,335	1	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	74.03 74.03 74.03 74.03 74.03 74.03 74.03 74.03 74.03
69.5 56,237 70.5 49,791 71.5		0.0000	1.0000	74.03 74.03 74.03



ORIGINAL CURVE ■ 1942-2017 EXPERIENCE 1912-2017 PLACEMENTS 100 IOWA 55-R2.5 8 AGE IN YEARS 4 20 100 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS ORIGINAL AND SMOOTH SURVIVOR CURVES

CALIFORNIA PROPERTY

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1912-2017		EXPER	RIENCE BAN	D 1942-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5	5,306,854 5,289,466 5,255,311 5,256,608 5,181,168 4,299,180 4,295,326	216 225 1,159 131 4,985	0.0000 0.0000 0.0000 0.0000 0.0002 0.0000 0.0012	1.0000 1.0000 1.0000 1.0000 0.9998 1.0000 0.9988	100.00 100.00 100.00 100.00 99.99 99.97 99.97
6.5 7.5 8.5	3,960,901 3,961,280 2,526,752	5,918 3,208	0.0000 0.0015 0.0013	1.0000 0.9985 0.9987	99.85 99.85 99.70
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	1,531,625 1,528,208 1,527,677 1,501,200 1,496,116 1,471,179 1,445,450 1,445,628 1,455,356 1,452,290	112 531 14,672 1,654 8,191 395 4,619 2,090 3,066 15,832	0.0001 0.0003 0.0096 0.0011 0.0055 0.0003 0.0032 0.0014 0.0021 0.0109	0.9999 0.9997 0.9904 0.9989 0.9945 0.9997 0.9968 0.9979 0.9891	99.57 99.57 99.53 98.58 98.47 97.93 97.90 97.59 97.45
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	1,436,175 1,364,627 1,358,320 1,323,902 895,617 839,939 768,519 755,881 716,791 475,434	363 1,888 2,283 16,559 3,478 12,638 4,141 2,719 3,042	0.0000 0.0003 0.0014 0.0017 0.0185 0.0041 0.0164 0.0055 0.0038 0.0064	1.0000 0.9997 0.9986 0.9983 0.9815 0.9959 0.9836 0.9945 0.9962 0.9936	96.18 96.16 96.02 95.86 94.09 93.70 92.16 91.65 91.30
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	364,022 311,624 273,286 252,694 246,261 240,606 235,823 233,508 216,010 185,008	746 1,334 4,200 6,433 3,897 4,782 1,200 763 4,004 498	0.0020 0.0043 0.0154 0.0255 0.0158 0.0199 0.0051 0.0033 0.0185 0.0027	0.9980 0.9957 0.9846 0.9745 0.9842 0.9801 0.9949 0.9967 0.9815 0.9973	90.72 90.53 90.15 88.76 86.50 85.13 83.44 83.02 82.74 81.21



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1912-2017		EXPE	RIENCE BAN	D 1942-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	181,307 165,524 160,627 149,050 131,943 123,473 79,592 77,647	2,487 28 6,636 882 8,470 2,841 1,945	0.0137 0.0002 0.0413 0.0059 0.0642 0.0230 0.0244 0.0000	0.9863 0.9998 0.9587 0.9941 0.9358 0.9770 0.9756 1.0000	80.99 79.88 79.87 76.57 76.11 71.23 69.59 67.89
48.5 49.5 50.5 51.5 52.5 53.5	77,647 76,403 75,610 69,499 58,163 58,163	328 133 372	0.0042 0.0017 0.0000 0.0000 0.0000 0.0064	0.9958 0.9983 1.0000 1.0000 0.9936	67.89 67.60 67.48 67.48 67.48
54.5 55.5 56.5 57.5 58.5	51,748 51,138 50,205 48,488 43,876	126 296	0.0024 0.0000 0.0000 0.0000 0.0067	0.9976 1.0000 1.0000 1.0000 0.9933	67.05 66.89 66.89 66.89 66.89
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	38,098 29,902 27,376 24,585 20,075 15,938 6,454 2,562 580 438	145	0.0000 0.0049 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 0.9951 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	66.44 66.44 66.11 66.11 66.11 66.11 66.11 66.11
69.5 70.5 71.5 72.5 73.5 74.5	438 438 438 438 438		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	66.11 66.11 66.11 66.11 66.11



ORIGINAL CURVE ■ 1940-2017 EXPERIENCE 1909-2017 PLACEMENTS 100 8 IOWA 50-R1 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



CALIFORNIA PROPERTY ACCOUNT 362 STATION EQUIPMENT ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1909-2017		EXPEF	RIENCE BAN	D 1940-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	35,923,955	91,056	0.0025	0.9975	100.00
0.5	33,959,118	168,087	0.0049	0.9951	99.75
1.5	33,411,777	198,832	0.0060	0.9940	99.25
2.5	32,954,057	120,372	0.0037	0.9963	98.66
3.5	31,322,139	185,365	0.0059	0.9941	98.30
4.5	26,349,328	180,508	0.0069	0.9931	97.72
5.5	26,026,896	268,328	0.0103	0.9897	97.05
6.5	24,714,180	128,926	0.0052	0.9948	96.05
7.5	24,507,830	106,667	0.0044	0.9956	95.55
8.5	21,384,686	159,667	0.0075	0.9925	95.13
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	15,506,723 15,274,605 14,806,040 13,840,981 13,580,778 13,344,434 12,604,626 12,410,219 12,207,412 12,008,942	105,812 138,301 104,929 96,020 66,417 234,999 121,915 190,500 135,359 83,241	0.0068 0.0091 0.0071 0.0069 0.0049 0.0176 0.0097 0.0154 0.0111	0.9932 0.9909 0.9929 0.9931 0.9951 0.9824 0.9903 0.9846 0.9889 0.9931	94.42 93.78 92.93 92.27 91.63 91.18 89.58 88.71 87.35 86.38
19.5	11,800,414	73,656 208,533 96,384 217,366 226,476 151,436 166,064 120,097 58,216 119,400	0.0062	0.9938	85.78
20.5	11,344,212		0.0184	0.9816	85.25
21.5	10,896,048		0.0088	0.9912	83.68
22.5	10,755,962		0.0202	0.9798	82.94
23.5	9,914,495		0.0228	0.9772	81.26
24.5	9,634,456		0.0157	0.9843	79.41
25.5	8,412,381		0.0197	0.9803	78.16
26.5	7,314,645		0.0164	0.9836	76.62
27.5	6,904,145		0.0084	0.9916	75.36
28.5	5,839,970		0.0204	0.9796	74.72
29.5	5,457,034	25,582	0.0047	0.9953	73.19 72.85 72.16 71.38 71.02 70.54 69.44 68.39 67.65 66.62
30.5	5,296,469	50,247	0.0095	0.9905	
31.5	4,880,281	53,061	0.0109	0.9891	
32.5	4,742,282	23,587	0.0050	0.9950	
33.5	4,704,938	32,035	0.0068	0.9932	
34.5	4,577,979	71,098	0.0155	0.9845	
35.5	4,427,194	66,743	0.0151	0.9849	
36.5	4,206,528	45,505	0.0108	0.9892	
37.5	4,085,613	62,371	0.0153	0.9847	
38.5	3,614,627	68,737	0.0190	0.9810	

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1909-2017		EXPER	RIENCE BAN	D 1940-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5	3,156,450 2,700,165 2,673,073 2,623,799 2,368,437 2,338,287 2,238,193 2,187,686 2,045,918	114,184 24,692 41,309 45,415 23,642 72,693 34,511 46,235 2,006	0.0362 0.0091 0.0155 0.0173 0.0100 0.0311 0.0154 0.0211 0.0010	0.9638 0.9909 0.9845 0.9827 0.9900 0.9689 0.9846 0.9789 0.9990	65.36 62.99 62.41 61.45 60.39 59.78 57.93 57.03
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	2,016,155 1,840,788 1,738,082 1,560,280 1,216,888 1,144,322 1,102,485 1,000,149 900,735 839,588 809,894	66,851 34,369 13,607 88,269 22,384 5,023 80,043 39,372 20,509 14,458 47,699	0.0332 0.0187 0.0078 0.0566 0.0184 0.0044 0.0726 0.0394 0.0228 0.0172 0.0589	0.9668 0.9813 0.9922 0.9434 0.9816 0.9956 0.9274 0.9606 0.9772 0.9828 0.9411	55.77 53.92 52.92 52.50 49.53 48.62 48.41 44.89 43.13 42.14 41.42
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	752,322 649,010 514,175 449,694 326,535 258,235 189,670 149,467 121,670 101,221	23,896 8,862 1,177 6,205 6,410	0.0318 0.0137 0.0023 0.0000 0.0190 0.0248 0.0000 0.0000 0.0000	0.9682 0.9863 0.9977 1.0000 0.9810 0.9752 1.0000 1.0000 1.0000	38.98 37.74 37.22 37.14 37.14 36.43 35.53 35.53 35.53
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	83,807 59,332 57,566 43,800 40,753 39,130 39,130 39,130 39,130	214	0.0000 0.0036 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 0.9964 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	35.53 35.53 35.40 35.40 35.40 35.40 35.40 35.40 35.40

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT :	BAND 1909-2017		EXPE	RIENCE BAN	D 1940-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5	39,130 34,880 26,072 26,072 26,072 26,072 26,072 26,072		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	35.40 35.40 35.40 35.40 35.40 35.40 35.40 35.40



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1938-2017 PLACEMENTS 100 IOWA 55-R1.5 ACCOUNT 364 POLES, TOWERS AND FIXTURES 8 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS 4 20 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



CALIFORNIA PROPERTY

ACCOUNT 364 POLES, TOWERS AND FIXTURES

PLACEMENT	BAND 1938-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	69,314,962 68,636,268 67,450,820 66,033,142 64,313,746 60,771,268 59,101,282 54,998,020 52,337,768	129,508 368,163 316,210 295,125 228,803 256,234 321,993 522,606 468,368	0.0019 0.0054 0.0047 0.0045 0.0036 0.0042 0.0054 0.0095 0.0089	0.9981 0.9946 0.9953 0.9955 0.9964 0.9958 0.9946 0.9905	100.00 99.81 99.28 98.81 98.37 98.02 97.61 97.08 96.15
8.5 9.5 10.5 11.5	50,690,404 49,010,308 47,140,609 45,049,376	363,534 322,408 254,514 219,563	0.0072 0.0066 0.0054 0.0049	0.9928 0.9934 0.9946 0.9951	95.29 94.61 93.99 93.48
12.5 13.5 14.5 15.5 16.5 17.5	43,235,891 41,637,110 39,918,050 38,702,534 37,073,980 35,267,286	195,844 221,609 193,158 182,662 159,816 187,481	0.0045 0.0053 0.0048 0.0047 0.0043 0.0053	0.9955 0.9947 0.9952 0.9953 0.9957 0.9947	93.02 92.60 92.11 91.66 91.23 90.84
18.5 19.5 20.5 21.5 22.5 23.5	33,564,953 31,546,624 30,212,563 27,920,377 26,200,258 24,714,714	226,704 175,859 187,177 149,863 129,134 135,773	0.0068 0.0056 0.0062 0.0054 0.0049	0.9932 0.9944 0.9938 0.9946 0.9951	90.36 89.74 89.24 88.69 88.22 87.78
24.5 25.5 26.5 27.5 28.5	22,853,846 20,681,378 18,764,389 17,931,668 17,180,206	115,151 134,689 112,712 114,205 117,826	0.0050 0.0065 0.0060 0.0064 0.0069	0.9950 0.9935 0.9940 0.9936 0.9931	87.30 86.86 86.29 85.77 85.23
30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	15,083,857 14,047,056 13,364,808 12,556,369 11,816,480 10,631,798 9,508,636 8,333,096 7,497,419	102,514 121,066 107,620 100,967 100,580 102,480 97,391 84,334 82,195	0.0068	0.9932	84.04 83.47 82.75 82.09 81.43 80.73 79.96 79.14 78.34

ACCOUNT 364 POLES, TOWERS AND FIXTURES

PLACEMENT BAND	1938-2017		EXPER]	IENCE BAND	1967-2017
BEGIN OF BEG	POSURES AT GINNING OF E INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	6,844,775 6,262,291 5,707,578 5,268,728 4,819,826 4,414,185 4,130,715 3,824,360 3,543,715 3,269,415	78,882 69,414 80,307 67,214 55,136 57,182 53,032 57,397 54,155 40,841	0.0115 0.0111 0.0141 0.0128 0.0114 0.0130 0.0128 0.0150 0.0153 0.0155	0.9885 0.9889 0.9859 0.9872 0.9886 0.9870 0.9872 0.9850 0.9847 0.9875	77.48 76.58 75.74 74.67 73.72 72.87 71.93 71.01 69.94 68.87
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	3,011,959 2,661,681 2,410,586 2,110,027 1,909,941 1,676,048 1,488,639 1,307,724 1,114,096 969,818	33,305 39,412 27,731 38,891 41,748 25,614 45,509 34,041 21,559 27,918	0.0123 0.0111 0.0148 0.0115 0.0184 0.0219 0.0153 0.0306 0.0260 0.0194 0.0288	0.9889 0.9852 0.9885 0.9816 0.9781 0.9847 0.9694 0.9740 0.9806 0.9712	68.01 67.26 66.26 65.50 64.29 62.89 61.93 60.03 58.47 57.34
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	762,877 643,319 501,898 392,375 322,787 241,983 194,309 149,407 111,289 66,477	22,130 12,861 9,049 4,845 6,005 9,256 5,754 2,175 1,416 135	0.0290 0.0200 0.0180 0.0123 0.0186 0.0383 0.0296 0.0146 0.0127 0.0020	0.9710 0.9800 0.9820 0.9877 0.9814 0.9617 0.9704 0.9854 0.9873 0.9980	55.69 54.07 52.99 52.04 51.40 50.44 48.51 47.07 46.39 45.80
69.5 70.5 71.5	48,381 33,376	90	0.0000 0.0027	1.0000	45.70 45.70 45.58



ORIGINAL CURVE ■ 1937-2017 EXPERIENCE 1937-2017 PLACEMENTS 120 100 I**ф**WA 65-R1 80 AGE IN YEARS 49 20 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

PACIFICORP CALIFORNIA PROPERTY ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1937-2017 EXPERIENCE BAND 1967-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF DURING AGE RETMT SURV BEGIN OF INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 37,215,707 25,581 0.0007 0.9993 100.00 0.5 37,175,477 270,555 0.0073 0.9927 99.93 1.5 37,129,468 178,797 0.0048 0.9952 99.20 2.5 36,858,811 98.73 229,447 0.0062 0.9938 3.5 199,726 98.11 36,555,118 0.0055 0.9945 267,043 4.5 34,510,528 0.0077 0.9923 97.58 5.5 33,909,812 242,111 0.0071 96.82 0.9929 6.5 33,446,097 301,809 0.0090 0.9910 96.13 7.5 95.26 33,139,900 348,665 0.0105 0.9895 8.5 32,699,134 205,023 0.0063 0.9937 94.26 199,914 9.5 32,346,482 0.0062 0.9938 93.67 10.5 32,142,144 298,586 0.0093 0.9907 93.09 31,758,721 92.22 11.5 229,705 0.0072 0.9928 12.5 31,306,279 156,193 0.0050 0.9950 91.56 13.5 30,962,214 166,782 0.0054 0.9946 91.10 14.5 30,393,900 169,822 0.0056 90.61 0.9944 15.5 29,969,626 199,142 0.0066 0.9934 90.10 16.5 29,381,722 138,793 0.0047 0.9953 89.51 17.5 29,063,415 133,310 0.0046 0.9954 89.08 18.5 28,859,955 179,679 0.0062 0.9938 88.67 19.5 28,042,914 180,228 0.0064 0.9936 88.12 20.5 27,140,429 110,431 0.0041 0.9959 87.56 21.5 26,114,040 0.0039 87.20 102,277 0.9961 22.5 25,189,745 86.86 77,118 0.0031 0.9969 23.5 24,044,770 92,808 0.0039 0.9961 86.59 24.5 22,311,472 80,884 0.0036 0.9964 86.26 25.5 20,728,440 69,542 0.0034 0.9966 85.94 0.0036 26.5 19,362,664 69,244 0.9964 85.66 27.5 18,531,112 0.9967 60,266 0.0033 85.35 28.5 17,527,432 48,783 0.0028 0.9972 85.07 29.5 16,883,644 58,273 0.0035 0.9965 84.84 30.5 15,965,360 63,316 0.0040 0.9960 84.54 31.5 15,064,655 67,728 0.0045 0.9955 84.21 32.5 14,126,395 52,409 0.0037 0.9963 83.83 33.5 13,171,504 36,072 0.0027 0.9973 83.52 12,331,550 47,639 34.5 0.0039 0.9961 83.29 35.5 10,824,271 35,634 0.0033 0.9967 82.97 36.5 9,218,615 28,930 0.0031 0.9969 82.69 37.5 8,014,915 29,937 0.0037 0.9963 82.44 38.5 7,205,386 21,662 0.0030 0.9970 82.13



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT E	BAND 1937-2017		EXPER	RIENCE BAN	ID 1967-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	6,564,356	23,328	0.0036	0.9964	81.88
40.5	5,973,961	42,171	0.0071	0.9929	81.59
41.5	5,259,135	27,661	0.0053	0.9947	81.01
42.5	4,826,747	18,078	0.0037	0.9963	80.59
43.5	4,377,946	13,288	0.0030	0.9970	80.29
44.5	4,061,830	9,123	0.0022	0.9978	80.04
45.5	3,913,206	7,049	0.0018	0.9982	79.86
46.5	3,689,686	9,259	0.0025	0.9975	79.72
47.5	3,493,009	8,991	0.0026	0.9974	79.52
48.5	3,228,574	11,584	0.0036	0.9964	79.31
49.5	2,994,574	4,891	0.0016	0.9984	79.03
50.5	2,642,683	7,451	0.0028	0.9972	78.90
51.5	2,429,723	4,129	0.0017	0.9983	78.68
52.5	2,171,010	6,284	0.0029	0.9971	78.54
53.5	2,026,260	13,241	0.0065	0.9935	78.32
54.5	1,876,483	7,391	0.0039	0.9961	77.80
55.5	1,745,446	5,516	0.0032	0.9968	77.50
56.5	1,633,036	7,535	0.0046	0.9954	77.25
57.5	1,477,105	6,646	0.0045	0.9955	76.90
58.5	1,394,021	6,078	0.0044	0.9956	76.55
59.5	1,239,275	6,041	0.0049	0.9951	76.22
60.5	1,161,339	3,791	0.0033	0.9967	75.85
61.5	1,045,850	875	0.0008	0.9992	75.60
62.5	956,302	3,897	0.0041	0.9959	75.53
63.5	856,558	1,388	0.0016	0.9984	75.23
64.5	645,343	1,525	0.0024	0.9976	75.10
65.5	586,126	2,847	0.0049	0.9951	74.93
66.5	500,243	979	0.0020	0.9980	74.56
67.5	417,960	1,264	0.0030	0.9970	74.42
68.5	302,787	164	0.0005	0.9995	74.19
69.5	223,821	227	0.0010	0.9990	74.15
70.5	171,186	197	0.0012	0.9988	74.08
70.5	= . = , = 0 0	== ,			71.00



71.5

73.99

ORIGINAL CURVE ■ 1968-2017 EXPERIENCE 1952-2017 PLACEMENTS 100 IOWA 60-R4 8 AGE IN YEARS 4 20 70 8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



CALIFORNIA PROPERTY
ACCOUNT 366 UNDERGROUND CONDUIT
ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 366 UNDERGROUND CONDUIT

PLACEMENT	BAND 1952-2017		EXPEF	RIENCE BAN	D 1968-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	18,260,786 18,168,842 17,925,901 17,478,833 17,130,978 16,570,708 16,118,481 15,698,043 15,400,474 15,154,991	12,689 36,705 21,460 12,552 92,527 23,704 27,403 60,267 15,448 22,692	0.0007 0.0020 0.0012 0.0007 0.0054 0.0014 0.0017 0.0038 0.0010 0.0015	0.9993 0.9980 0.9988 0.9993 0.9946 0.9986 0.9983 0.9962 0.9990 0.9985	100.00 99.93 99.73 99.61 99.54 99.00 98.86 98.69 98.31 98.21
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	14,926,481 14,643,491 14,499,508 14,375,765 14,054,008 13,833,153 13,495,887 13,243,491 13,121,954 13,075,383	34,398 13,772 12,105 21,280 20,806 12,868 10,334 12,376 9,283 23,036	0.0023 0.0009 0.0008 0.0015 0.0015 0.0009 0.0008 0.0009 0.0007 0.0018	0.9977 0.9991 0.9992 0.9985 0.9985 0.9991 0.9992 0.9991 0.9993	98.07 97.84 97.75 97.67 97.52 97.38 97.29 97.21 97.12
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	12,808,041 11,699,267 11,358,986 10,863,811 9,942,487 9,252,945 8,283,348 7,190,423 6,037,958 3,277,557	42,235 30,696 3,678 7,904 4,410 1,604 2,948 1,084 1,106 1,271	0.0033 0.0026 0.0003 0.0007 0.0004 0.0002 0.0004 0.0002 0.0002	0.9967 0.9974 0.9997 0.9993 0.9996 0.9998 0.9998 0.9998	96.88 96.56 96.31 96.28 96.21 96.16 96.15 96.11 96.10 96.08
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	2,704,149 2,111,776 1,859,434 1,576,194 1,382,343 1,306,715 992,998 862,544 720,783 594,104	1,718 254 754 3,593 1,848 7,390 4,828 2,391 9,952 1,534	0.0006 0.0001 0.0004 0.0023 0.0013 0.0057 0.0049 0.0028 0.0138 0.0026	0.9994 0.9999 0.9996 0.9977 0.9987 0.9951 0.9972 0.9862 0.9974	96.04 95.98 95.97 95.93 95.71 95.59 95.05 94.58 94.32 93.02

ACCOUNT 366 UNDERGROUND CONDUIT

PLACEMENT	BAND 1952-2017		EXPER	RIENCE BAN	D 1968-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	508,739	3,673	0.0072	0.9928	92.78
40.5	460,278	2,754	0.0060	0.9940	92.11
41.5	380,680	4,029	0.0106	0.9894	91.56
42.5	311,266	2,977	0.0096	0.9904	90.59
43.5	264,373	1,658	0.0063	0.9937	89.72
44.5	161,655	1,441	0.0089	0.9911	89.16
45.5	129,953	449	0.0035	0.9965	88.37
46.5	40,933	449	0.0110	0.9890	88.06
47.5	36,016	375	0.0104	0.9896	87.10
48.5	25,569	169	0.0066	0.9934	86.19
49.5	12,243	82	0.0067	0.9933	85.62
50.5	98	47	0.4752	0.5248	85.04
51.5	52	52	1.0000		44.63
52.5					



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1952-2017 PLACEMENTS 100 ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES IOWA 55-R3 8 ORIGINAL AND SMOOTH SURVIVOR CURVES CALIFORNIA PROPERTY AGE IN YEARS 4 20 70 30-8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1952-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	20,946,849 20,858,009 20,397,570 19,946,965 19,324,100 18,553,288 17,920,362 17,592,665	1,017 93,417 13,880 22,009 138,510 16,634 30,549 53,843	0.0000 0.0045 0.0007 0.0011 0.0072 0.0009 0.0017 0.0031	1.0000 0.9955 0.9993 0.9989 0.9928 0.9991 0.9983 0.9969	100.00 100.00 99.55 99.48 99.37 98.66 98.57 98.40
7.5 8.5	17,309,725 17,031,049	36,782 41,372	0.0021 0.0024	0.9979 0.9976	98.10 97.89
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	16,729,431 16,272,747 16,043,294 15,596,530 15,167,581 14,915,851 14,522,691 14,208,692 13,920,311 13,768,767	95,478 15,189 28,549 23,319 16,220 41,823 20,570 98,390 27,904 92,363	0.0057 0.0009 0.0018 0.0015 0.0011 0.0028 0.0014 0.0069 0.0020 0.0067	0.9943 0.9991 0.9982 0.9985 0.9989 0.9972 0.9986 0.9931 0.9980 0.9933	97.65 97.10 97.01 96.83 96.69 96.58 96.31 96.18 95.51 95.32
20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	11,723,399 11,189,999 10,460,757 9,860,450 9,386,395 8,389,097 7,640,816 7,012,282 4,217,566	71,661 33,044 34,538 4,146 20,688 3,275 10,705 5,760 1,002	0.0061 0.0030 0.0033 0.0004 0.0022 0.0004 0.0014 0.0008 0.0002	0.9939 0.9970 0.9967 0.9996 0.9978 0.9996 0.9986 0.9992 0.9998	94.61 94.03 93.75 93.44 93.40 93.19 93.16 93.03 92.95
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	4,004,926 3,563,643 3,333,112 2,905,431 2,602,105 2,438,343 1,971,387 1,714,759 1,409,157 1,155,353	13,739 12,442 4,963 7,097 7,509 18,996 8,536 7,064 4,004 10,688	0.0034 0.0035 0.0015 0.0024 0.0029 0.0078 0.0043 0.0041 0.0028 0.0093	0.9966 0.9965 0.9985 0.9976 0.9971 0.9922 0.9957 0.9959 0.9972	92.93 92.61 92.29 92.15 91.92 91.66 90.95 90.55 90.18 89.92

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

PLACEMENT	BAND 1952-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	886,098	22,723	0.0256	0.9744	89.09
40.5	752,249	11,122	0.0148	0.9852	86.81
41.5	629,769	11,332	0.0180	0.9820	85.52
42.5	527,569	8,201	0.0155	0.9845	83.98
43.5	455,782	15,156	0.0333	0.9667	82.68
44.5	309,356	7,397	0.0239	0.9761	79.93
45.5	246,717	10,403	0.0422	0.9578	78.02
46.5	89,926	12,741	0.1417	0.8583	74.73
47.5	62,953	5,010	0.0796	0.9204	64.14
48.5	45,015	7,649	0.1699	0.8301	59.04
49.5	17,531	2,045	0.1167	0.8833	49.00
50.5	4,538		0.0000	1.0000	43.29
51.5	3,874		0.0000	1.0000	43.29
52.5	3,874		0.0000	1.0000	43.29
53.5					43.29



ORIGINAL CURVE = 1901-2017 PLACEMENTS 100 IOWA 55-R2 ORIGINAL AND SMOOTH SURVIVOR CURVES 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



CALIFORNIA PROPERTY ACCOUNT 368 LINE TRANSFORMERS

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1901-2017		EXPEF	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	58,604,825 57,540,320 56,261,035 54,548,753 53,206,270 51,530,384 50,563,596 48,825,241 47,502,951	125,711 345,463 325,887 367,330 241,782 264,496 284,063 282,175 232,221	0.0021 0.0060 0.0058 0.0067 0.0045 0.0051 0.0056 0.0058	0.9979 0.9940 0.9942 0.9933 0.9955 0.9949 0.9944 0.9942	100.00 99.79 99.19 98.61 97.95 97.50 97.00 96.46 95.90
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5	45,909,832 44,203,272 42,577,100 41,538,967 40,306,992 39,378,190 38,126,923 37,204,429 35,773,992 34,757,144	156,942 199,609 224,317 161,166 110,615 145,607 103,381 166,269 108,471 121,306	0.0034 0.0045 0.0053 0.0039 0.0027 0.0037 0.0027 0.0045 0.0030	0.9966 0.9955 0.9947 0.9961 0.9973 0.9963 0.9973 0.9955 0.9970	95.43 95.10 94.68 94.18 93.81 93.55 93.21 92.96 92.54 92.26
18.5 19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	34,036,731 33,560,205 32,718,315 31,767,822 30,327,739 28,653,533 26,932,799 24,736,742 22,829,093 21,306,585 19,449,274	149,464 134,858 110,876 118,311 145,565 116,306 99,267 107,839 115,943 90,043 70,316	0.0044 0.0040 0.0034 0.0037 0.0041 0.0037 0.0044 0.0051 0.0042 0.0036	0.9956 0.9960 0.9966 0.9953 0.9959 0.9963 0.9956 0.9949 0.9958	91.94 91.53 91.17 90.86 90.52 90.08 89.72 89.39 89.00 88.55 88.17
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	17,829,111 16,379,136 15,135,162 14,001,934 11,925,801 10,826,209 9,609,430 8,468,980 7,455,406 6,561,444	103,986 70,692 50,679 91,939 83,061 71,042 78,721 44,912 53,383 20,880	0.0058 0.0043 0.0033 0.0066 0.0070 0.0066 0.0082 0.0053 0.0072 0.0032	0.9942 0.9957 0.9967 0.9934 0.9930 0.9934 0.9918 0.9947 0.9928 0.9968	87.85 87.34 86.96 86.67 86.10 85.50 84.94 84.25 83.80 83.20

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1901-2017		EXPE	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	5,755,463 5,148,053 4,703,029 4,372,219 3,971,315 3,631,166 3,372,078 3,126,379 2,887,150 2,650,083	14,785 21,479 8,189 18,818 10,858 10,911 38,838 34,194 42,087 52,701	0.0026 0.0042 0.0017 0.0043 0.0027 0.0030 0.0115 0.0109 0.0146 0.0199	0.9974 0.9958 0.9983 0.9957 0.9973 0.9970 0.9885 0.9891 0.9854 0.9801	82.93 82.72 82.38 82.23 81.88 81.66 81.41 80.47 79.59 78.43
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	2,334,422 2,088,820 1,823,633 1,553,791 1,283,280 1,029,780 808,668 592,711 422,561 258,486	41,076 109,363 113,422 116,390 99,529 119,946 129,152 120,859 89,159 28,027	0.0176 0.0524 0.0622 0.0749 0.0776 0.1165 0.1597 0.2039 0.2110 0.1084	0.9824 0.9476 0.9378 0.9251 0.9224 0.8835 0.8403 0.7961 0.7890 0.8916	76.87 75.52 71.57 67.11 62.09 57.27 50.60 42.52 33.85 26.71
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	163,562 53,931 11,563 4,033 3,160 83,359 84,194 84,194 83,533 83,533	29,360 31,659 1,315 873	0.1795 0.5870 0.1137 0.2165 0.0000 0.0000 0.0000 0.0000 0.0000	0.8205 0.4130 0.8863 0.7835 1.0000 1.0000 1.0000 1.0000 0.9978	23.81 19.54 8.07 7.15 5.60 5.60 5.60 5.60 5.60
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	83,348 83,348 83,162 83,162 83,162 83,162 83,162 83,162 83,162	186	0.0000 0.0022 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 0.9978 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	5.59 5.59 5.58 5.58 5.58 5.58 5.58 5.58

ACCOUNT 368 LINE TRANSFORMERS

PLACEMENT	BAND 1901-2017		EXPE	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5	83,162 82,757 82,757 82,757 82,757 82,757 82,757 82,757 82,757	406	0.0049 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.9951 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	5.58 5.55 5.55 5.55 5.55 5.55 5.55 5.55
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5	82,757 82,757 82,757 81,660 81,660 81,660 81,034 81,034 63,722	17,312	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2136 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.7864 1.0000	5.55 5.55 5.55 5.55 5.55 5.55 5.55 4.36
99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5	63,722 63,258 63,258 63,258 63,258 63,258 63,258 63,258 61,921	1,337	0.0073 0.0000 0.0000 0.0000 0.0000 0.0000 0.0211 0.0000 0.0000	0.9927 1.0000 1.0000 1.0000 1.0000 1.0000 0.9789 1.0000	4.36 4.33 4.33 4.33 4.33 4.33 4.33 4.24
109.5 110.5 111.5 112.5 113.5 114.5 115.5	61,921 61,504 61,504 61,504 61,504	417	0.0067 0.0000 0.0000 0.0000 0.0000	0.9933 1.0000 1.0000 1.0000 1.0000	4.24 4.21 4.21 4.21 4.21 4.21 4.21



ORIGINAL CURVE ■ 1967-2017 EXPERIENCE 1938-2017 PLACEMENTS 100 IOWA 55-R1.5 8 AGE IN YEARS 4 20 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



CALIFORNIA PROPERTY
ACCOUNT 369.1 OVERHEAD SERVICES
ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 369.1 OVERHEAD SERVICES

PLACEMENT	BAND 1938-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	10,377,680 10,114,357 9,760,281 9,519,104 9,253,132 9,041,804 8,864,413 8,645,411 8,392,727	28,225 141,567 47,255 43,462 40,946 38,318 37,550 41,948 36,223	0.0027 0.0140 0.0048 0.0046 0.0044 0.0042 0.0042 0.0049	0.9973 0.9860 0.9952 0.9954 0.9956 0.9958 0.9958 0.9951	100.00 99.73 98.33 97.86 97.41 96.98 96.57 96.16
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	8,185,364 7,946,756 7,689,876 7,541,009 6,988,844 6,807,714 6,614,592 6,456,660 6,414,993 5,607,551 5,195,945	34,700 36,732 32,507 27,917 30,503 30,072 31,427 29,015 28,058 36,317 31,112	0.0042 0.0046 0.0042 0.0037 0.0044 0.0048 0.0045 0.0045 0.0065	0.9958 0.9954 0.9958 0.9963 0.9956 0.9956 0.9955 0.9955 0.9935 0.9940	95.28 94.87 94.44 94.04 93.69 93.28 92.87 92.43 92.01 91.61 91.02
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	5,041,843 4,820,265 4,606,831 3,480,152 3,207,533 3,031,037 2,712,196 2,446,102 2,247,275 2,225,657	33,682 26,061 22,603 24,495 20,533 19,626 14,567 15,657 15,091 13,267	0.0067 0.0054 0.0049 0.0070 0.0064 0.0065 0.0054 0.0067 0.0060	0.9933 0.9946 0.9951 0.9930 0.9936 0.9935 0.9946 0.9933 0.9940	90.47 89.87 89.38 88.94 88.32 87.75 87.18 86.71 86.16 85.58
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	2,143,879 2,066,303 1,907,670 1,827,009 1,762,228 1,665,282 1,529,881 1,391,830 1,262,306 1,165,812	12,710 12,979 13,113 14,852 11,129 14,913 10,560 8,102 6,532 8,306	0.0059 0.0063 0.0069 0.0081 0.0063 0.0090 0.0069 0.0058 0.0052	0.9941 0.9937 0.9931 0.9919 0.9937 0.9910 0.9931 0.9942 0.9948 0.9929	85.07 84.57 84.03 83.46 82.78 82.26 81.52 80.96 80.49 80.07

ACCOUNT 369.1 OVERHEAD SERVICES

PLACEMENT	BAND 1938-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	1,065,736 960,275 866,654 793,901 714,352 652,526 581,625 531,807 486,415 444,849	7,569 4,176 6,045 5,070 2,591 3,993 3,160 4,907 2,495 3,625	0.0071 0.0043 0.0070 0.0064 0.0036 0.0061 0.0054 0.0092 0.0051 0.0081	0.9929 0.9957 0.9930 0.9936 0.9964 0.9939 0.9946 0.9908 0.9949	79.50 78.93 78.59 78.04 77.54 77.26 76.79 76.37 75.67 75.28
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	444,049 409,538 373,955 337,981 306,668 273,431 247,572 214,769 172,588 149,518 121,588	2,749 2,902 4,154 3,858 4,136 7,478 6,007 1,091 3,593 1,676	0.0067 0.0078 0.0123 0.0126 0.0151 0.0302 0.0280 0.0063	0.9919 0.9933 0.9922 0.9877 0.9874 0.9849 0.9698 0.9720 0.9937 0.9760 0.9862	74.67 74.17 73.59 72.69 71.77 70.69 68.55 66.63 66.21 64.62
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	99,928 82,814 68,599 48,979 26,958 14,729 9,350 8,109 6,514 4,713	1,754 1,182 7,812 8,114 4,868 3,195 659 439	0.0175 0.0143 0.1139 0.1657 0.1806 0.2169 0.0000 0.0813 0.0675 0.0000	0.9825 0.9857 0.8861 0.8343 0.8194 0.7831 1.0000 0.9187 0.9325 1.0000	63.73 62.61 61.72 54.69 45.63 37.39 29.28 29.28 26.90 25.08
69.5 70.5 71.5	3,389 1,757		0.0000	1.0000	25.08 25.08 25.08



ORIGINAL CURVE ■ 1970-2017 EXPERIENCE 1967-2017 PLACEMENTS 100 IOWA 60-R4 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



CALIFORNIA PROPERTY ACCOUNT 369.2 UNDERGROUND SERVICES ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 369.2 UNDERGROUND SERVICES

PLACEMENT	BAND 1967-2017		EXPE	RIENCE BAN	D 1970-2017
AGE AT BEGIN OF INTERVAL		RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	16,504,367 16,221,456 15,892,514 15,615,111 15,311,689 15,035,694 14,703,087 14,386,383 14,100,877	4,479 42,421 15,528 42,239 13,675 17,790 10,887 9,665 9,103	0.0003 0.0026 0.0010 0.0027 0.0009 0.0012 0.0007 0.0007	0.9997 0.9974 0.9990 0.9973 0.9991 0.9988 0.9993 0.9993	100.00 99.97 99.71 99.61 99.34 99.26 99.14 99.06
8.5 9.5 10.5 11.5 12.5	13,727,481 13,185,756 12,394,621 11,690,014 10,951,365	9,996 9,626 11,610 15,556 7,028	0.0007 0.0007 0.0009 0.0013 0.0006	0.9993 0.9993 0.9991 0.9987 0.9994	98.93 98.86 98.79 98.70 98.57
13.5 14.5 15.5 16.5 17.5 18.5	10,273,854 9,581,724 9,124,164 8,845,665 7,968,595 7,593,350	5,846 5,708 7,962 7,310 6,319 5,322	0.0006 0.0006 0.0009 0.0008 0.0008	0.9994 0.9994 0.9991 0.9992 0.9992	98.50 98.45 98.39 98.30 98.22 98.14
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5	7,310,890 7,080,756 5,222,482 4,716,469 4,133,077 3,921,498 3,378,596 3,132,940 2,809,904	5,183 6,664 1,082 1,284 1,636 1,289 2,663 576 5,925	0.0007 0.0009 0.0002 0.0003 0.0004 0.0003 0.0008 0.0002	0.9993 0.9991 0.9998 0.9997 0.9996 0.9997 0.9992 0.9998 0.9979	98.07 98.01 97.91 97.89 97.87 97.83 97.80 97.72
29.5 30.5 31.5 32.5 33.5 34.5 35.5	2,562,315 2,229,178 2,041,735 1,787,194 1,604,580 1,395,991 1,206,533 1,013,239	1,150 1,151 1,907 1,947 678 2,314 1,793 2,892	0.0004 0.0005 0.0009 0.0011 0.0004 0.0017 0.0015 0.0029	0.9996 0.9995 0.9991	97.49 97.45 97.40 97.31 97.20 97.16 97.00 96.86
36.5 37.5 38.5	781,545 574,888 371,805	1,645 1,819 5,113	0.0021 0.0032 0.0138	0.9979 0.9968 0.9862	96.58 96.38 96.07

ACCOUNT 369.2 UNDERGROUND SERVICES

PLACEMENT	BAND 1967-2017		EXPE	RIENCE BAN	ID 1970-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5	240,679 155,540 120,773 85,744 40,903 8,912	2,546 2,100 5,577 5,477 775 1,356	0.0106 0.0135 0.0462 0.0639 0.0189 0.1522	0.9894 0.9865 0.9538 0.9361 0.9811 0.8478	94.75 93.75 92.48 88.21 82.58 81.01 68.68



ORIGINAL CURVE ■ 1963-2017 EXPERIENCE 1931-2017 PLACEMENTS 100 ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES 8 ORIGINAL AND SMOOTH SURVIVOR CURVES CALIFORNIA PROPERTY AGE IN YEARS PACIFICORP IO\VA 26-L0 4 20 9 80 70 30-09 20 20 РЕВСЕИТ ЗИВУІЛІИС



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

PLACEMENT	BAND 1931-2017		EXPER	RIENCE BAN	D 1963-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	719,728 752,969 705,825 670,497 634,418 604,116 572,977	2,192 44,036 31,178 35,955 29,984 31,139 30,775	0.0030 0.0585 0.0442 0.0536 0.0473 0.0515 0.0537	0.9970 0.9415 0.9558 0.9464 0.9527 0.9485 0.9463	100.00 99.70 93.86 89.72 84.91 80.89 76.72
6.5 7.5 8.5	540,686 514,140 484,416	26,546 29,724 22,620	0.0491 0.0578 0.0467	0.9509 0.9422 0.9533	72.60 69.04 65.05
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5	461,796 441,580 421,163 402,197 381,345 368,087 353,401 339,821 321,916	16,608 17,214 18,966 16,365 11,894 14,088 11,256 15,849 7,215	0.0360 0.0390 0.0450 0.0407 0.0312 0.0383 0.0318 0.0466 0.0224	0.9640 0.9610 0.9550 0.9593 0.9688 0.9617 0.9682 0.9534 0.9776	62.01 59.78 57.45 54.86 52.63 50.99 49.04 47.48 45.26
18.5 19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	313,784 303,142 303,201 308,515 319,718 320,956 325,587 325,115 339,479 343,014 346,875	9,994 7,391 8,063 6,740 4,950 3,129 3,678 2,801 2,406 1,659 2,030	0.0319 0.0244 0.0266 0.0218 0.0155 0.0097 0.0113 0.0086 0.0071 0.0048 0.0059	0.9681 0.9756 0.9734 0.9782 0.9845 0.9903 0.9887 0.9914 0.9929 0.9952 0.9941	44.25 42.84 41.79 40.68 39.79 39.18 38.80 38.36 38.03 37.76 37.57
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	348,201 340,801 315,377 292,865 270,082 246,968 223,701 197,355 184,098 165,596	9,554 19,575 21,367 15,245 15,585 14,184 18,626 8,661 8,417 4,858	0.0274 0.0574 0.0678 0.0521 0.0577 0.0574 0.0833 0.0439 0.0457 0.0293	0.9726 0.9426 0.9322 0.9479 0.9423 0.9426 0.9167 0.9561 0.9543 0.9707	37.35 36.33 34.24 31.92 30.26 28.51 26.88 24.64 23.56 22.48

ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

PLACEMENT 1	BAND 1931-2017		EXPER	RIENCE BAN	D 1963-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	151,636 138,866 122,983 115,149 108,489 90,838 80,644 72,393 62,021 53,204	6,254 5,023 685 267 550 272 295 398 554 339	0.0412 0.0362 0.0056 0.0023 0.0051 0.0030 0.0037 0.0055 0.0089 0.0064	0.9588 0.9638 0.9944 0.9977 0.9949 0.9970 0.9963 0.9945 0.9911 0.9936	21.82 20.92 20.16 20.05 20.01 19.90 19.85 19.77 19.66 19.49
49.5 50.5 51.5 52.5 53.5 54.5 55.5	47,015 39,508 33,757 26,487 18,942 6,450	251 82 142 139 482 281	0.0053 0.0021 0.0042 0.0053 0.0254 0.0435	0.9947 0.9979 0.9958 0.9947 0.9746 0.9565	19.36 19.26 19.22 19.14 19.04 18.55



ORIGINAL CURVE = 1942-2017 PLACEMENTS 100 ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS 8 ORIGINAL AND SMOOTH SURVIVOR CURVES CALIFORNIA PROPERTY AGE IN YEARS PACIFICORP IOWA 35-01 4 20 70 30-8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

PLACEMENT 1	BAND 1942-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	1,020,632 1,043,305 976,047 950,390 971,845 971,646 954,433 949,630 919,162 921,804	1,200 29,792 37,433 6,986 22,232 10,302 15,236 26,670 22,606 26,115	0.0012 0.0286 0.0384 0.0074 0.0229 0.0106 0.0160 0.0281 0.0246 0.0283	0.9988 0.9714 0.9616 0.9926 0.9771 0.9894 0.9840 0.9719 0.9754	100.00 99.88 97.03 93.31 92.62 90.50 89.54 88.12 85.64 83.53
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	901,151 891,135 890,360 881,615 861,937 824,927 792,316 762,802 732,459 719,842	14,373 12,957 17,693 26,075 26,635 22,911 24,633 25,174 17,094 13,085	0.0159 0.0145 0.0199 0.0296 0.0309 0.0278 0.0311 0.0330 0.0233 0.0182	0.9841 0.9855 0.9801 0.9704 0.9691 0.9722 0.9689 0.9670 0.9767	81.17 79.87 78.71 77.15 74.87 72.55 70.54 68.34 66.09 64.55
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	700,694 681,985 632,554 595,260 570,921 559,604 527,685 504,414 489,871 471,368	13,867 12,894 10,610 19,875 5,321 15,117 9,439 11,566 13,233 7,289	0.0198 0.0189 0.0168 0.0334 0.0093 0.0270 0.0179 0.0229 0.0270 0.0155	0.9802 0.9811 0.9832 0.9666 0.9907 0.9730 0.9821 0.9771 0.9730 0.9845	63.37 62.12 60.94 59.92 57.92 57.38 55.83 54.83 53.58 52.13
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	461,254 453,365 331,927 314,468 294,211 279,376 225,706 192,468 173,302 169,499	3,380 2,246 9,939 512 1,326 1,027 7 232 507 525	0.0073 0.0050 0.0299 0.0016 0.0045 0.0037 0.0000 0.0012 0.0029 0.0031	0.9927 0.9950 0.9701 0.9984 0.9955 0.9963 1.0000 0.9988 0.9971 0.9969	51.32 50.95 50.69 49.18 49.10 48.87 48.70 48.69 48.63 48.49

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT E	BAND 1942-2017		EXPER	RIENCE BAN	D 1967-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	167,402 165,371 160,575 113,956 107,344 99,731 95,910 86,840 81,918	277 209 1,266 1,522 3,080 609 1,656 1,844 853	0.0017 0.0013 0.0079 0.0134 0.0287 0.0061 0.0173 0.0212 0.0104	0.9939 0.9827 0.9788 0.9896	48.34 48.26 48.20 47.82 47.18 45.83 45.55 44.76 43.81
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	64,548 50,587 30,110 20,069 19,158 17,637 16,076 11,182 10,827 10,812 9,996	7,463 11,537 3,523 77 956 295 296 11 15 389 28	0.1156 0.2281 0.1170 0.0038 0.0499 0.0167 0.0184 0.0010 0.0014 0.0360 0.0028	0.8844 0.7719 0.8830 0.9962 0.9501 0.9833 0.9816 0.9990 0.9986 0.9640 0.9972	43.36 38.34 29.60 26.14 26.04 24.74 24.32 23.87 23.85 23.82 22.96
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	8,779 8,597 8,469 7,716 6,156 4,338 4,332 3,923 572 286	182 128 18 6	0.0207 0.0149 0.0000 0.0000 0.0030 0.0013 0.0000 0.0000 0.0000 0.0785	0.9793 0.9851 1.0000 1.0000 0.9970 0.9987 1.0000 1.0000 0.9215	22.90 22.42 22.09 22.09 22.09 22.02 22.00 22.00 22.00
69.5 70.5 71.5	247 247		0.0000	1.0000	20.27 20.27 20.27



1988-2017 EXPERIENCE 1950-2017 PLACEMENTS ORIGINAL CURVE = 1940-2017 PLACEMENTS • 1998-2017 EXPERIENCE • 1950-2017 PLACEMENTS 100 IOWA 60-R2 8 AGE IN YEARS 49 20 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS ORIGINAL AND SMOOTH SURVIVOR CURVES

CALIFORNIA PROPERTY

PACIFICORP

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1940-2017		EXPER	RIENCE BAN	D 1968-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	4,570,615 4,539,699 4,498,123 4,302,024 4,149,561 2,402,634 2,289,510 2,042,683	21,594 48,164 6,909 98 21,942 800	0.0000 0.0048 0.0107 0.0000 0.0017 0.0000 0.0096 0.0004	1.0000 0.9952 0.9893 1.0000 0.9983 1.0000 0.9904 0.9996	100.00 100.00 99.52 98.46 98.46 98.29 98.29
7.5 8.5	2,002,490 1,916,505	13,775 16,006	0.0069 0.0084	0.9931 0.9916	97.31 96.64
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5 19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5	1,916,303 1,817,573 1,836,092 1,808,740 1,807,270 1,807,270 1,719,590 1,704,751 1,701,764 1,703,897 1,603,375 1,511,594 1,462,439 1,321,129 1,165,308 1,006,155 899,679 898,441 883,775	119 1,354 6,426 15,759 1,943 13,120 1,030 4,144 1,935 4,950 3,708 1,541 31,816 916 1,402 1,268 11,561	0.0004 0.0001 0.0000 0.0007 0.0000 0.0036 0.0092 0.0011 0.0077 0.0006 0.0026 0.0012 0.0033 0.0025 0.0012 0.00273 0.0009 0.0016 0.0014 0.00131	0.9996 0.9999 1.0000 0.9993 1.0000 0.9964 0.9908 0.9989 0.9923 0.9994 0.9974 0.9988 0.9967 0.9975 0.9988 0.9727 0.9988 0.9727 0.9984 0.9986 0.9986	95.83 95.83 95.83 95.76 95.76 95.42 94.54 94.43 93.71 93.65 93.41 93.29 92.99 92.75 92.64 90.11 90.03 89.89 89.77
28.5	307,702	3,901	0.0127	0.9873	88.59
29.5 30.5 31.5 32.5 33.5 34.5 35.5	286,712 265,530 215,836 175,028 171,851 171,851 171,851	154 503	0.0005 0.0000 0.0000 0.0029 0.0000 0.0000	0.9995 1.0000 1.0000 0.9971 1.0000 1.0000	87.47 87.42 87.42 87.42 87.17 87.17
36.5 37.5 38.5	165,796 161,553 155,529	4,243 453	0.0256 0.0028 0.0000	0.9744 0.9972 1.0000	87.17 84.94 84.70

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT H	BAND 1940-2017		EXPER	RIENCE BANI	1968-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	155,529 152,325 152,325 152,325 139,630 137,480 137,480 136,176 127,105	3,204 201 9,072	0.0206 0.0000 0.0000 0.0000 0.0000 0.0015 0.0666 0.0000	0.9794 1.0000 1.0000 1.0000 1.0000 0.9985 0.9334 1.0000	84.70 82.96 82.96 82.96 82.96 82.96 82.96 82.84 77.32
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	125,143 110,427 109,088 107,777 107,574 105,989 105,989 105,989 102,430 102,283 93,995	1,360 1,311 203 999	0.0109 0.0000 0.0120 0.0019 0.0093 0.0000 0.0000 0.0078 0.0000 0.0000	0.9891 1.0000 0.9880 0.9981 0.9907 1.0000 1.0000 0.9922 1.0000 1.0000	77.32 76.48 76.48 75.56 75.42 74.72 74.72 74.13 74.13 74.13
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5	76,946 16,226 16,226 16,226 10,690 10,690 10,690	5,536	0.0000 0.0000 0.0000 0.3412 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 0.6588 1.0000 1.0000	74.13 74.13 74.13 74.13 48.84 48.84 48.84 48.84



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1950-2017		EXPE	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5	4,317,506 4,361,362 4,325,396 4,177,176	21,594 48,164	0.0000 0.0050 0.0111 0.0000	1.0000 0.9950 0.9889 1.0000	100.00 100.00 99.50 98.40
3.5 4.5 5.5 6.5 7.5 8.5	4,057,947 2,310,922 2,197,895 1,991,189 1,950,731 1,859,717	6,909 21,942 800 13,775 16,006	0.0017 0.0000 0.0100 0.0004 0.0071 0.0086	0.9983 1.0000 0.9900 0.9996 0.9929 0.9914	98.40 98.23 98.23 97.25 97.21 96.52
9.5 10.5 11.5 12.5 13.5	1,740,777 1,688,325 1,660,973 1,659,358 1,672,053	4,115	0.0000 0.0000 0.0000 0.0000 0.0025	1.0000 1.0000 1.0000 1.0000 0.9975	95.69 95.69 95.69 95.69 95.69
14.5 15.5 16.5 17.5 18.5	1,590,015 1,575,845 1,574,863 1,558,612 1,461,297	14,170 1,041 11,782 4,144	0.0089 0.0007 0.0075 0.0000 0.0028	0.9911 0.9993 0.9925 1.0000 0.9972	95.46 94.61 94.54 93.84 93.84
19.5 20.5 21.5 22.5 23.5 24.5	1,470,705 1,378,563 1,330,907 1,193,306 1,038,829 879,676	1,935 3,904 782 31,816 822	0.0013 0.0028 0.0000 0.0007 0.0306 0.0009	0.9987 0.9972 1.0000 0.9993 0.9694 0.9991	93.57 93.45 93.18 93.18 93.12 90.27
25.5 26.5 27.5 28.5	773,294 781,457 766,281 198,496	1,402 1,268 11,561 3,738	0.0018 0.0016 0.0151 0.0188	0.9982 0.9984 0.9849 0.9812	90.19 90.02 89.88 88.52
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	196,232 245,393 195,700 154,891 152,217 152,217 152,217 146,162 160,611 154,587	4,243 453	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0290 0.0028 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9710 0.9972 1.0000	86.85 86.85 86.85 86.85 86.85 86.85 86.85 84.33 84.09

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT I	BAND 1950-2017		EXPER	RIENCE BAN) 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	154,587 152,325 152,325 152,325 139,630 137,480 137,480 136,176 127,105	2,262 201 9,072	0.0146 0.0000 0.0000 0.0000 0.0000 0.0000 0.0015 0.0666 0.0000	0.9854 1.0000 1.0000 1.0000 1.0000 1.0000 0.9985 0.9334 1.0000	84.09 82.86 82.86 82.86 82.86 82.86 82.74 77.23
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	125,143 110,427 109,088 107,777 107,574 105,989 105,989 105,989 102,430 102,283 93,995	1,360 1,311 203 999	0.0109 0.0000 0.0120 0.0019 0.0093 0.0000 0.0000 0.0078 0.0000 0.0000	0.9891 1.0000 0.9880 0.9981 0.9907 1.0000 1.0000 0.9922 1.0000 1.0000	77.23 76.39 76.39 75.47 75.33 74.63 74.63 74.63 74.04 74.04
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5	76,946 16,226 16,226 16,226 10,690 10,690 10,690	5,536	0.0000 0.0000 0.0000 0.3412 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 0.6588 1.0000 1.0000	74.04 74.04 74.04 74.04 48.78 48.78 48.78 48.78



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1950-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	2,928,500 2,927,974 2,930,984 2,872,647 2,936,881 1,261,389 1,262,262 1,038,446 1,021,063 1,568,494	21,594 45,492 6,909 2,308 13,775 16,006	0.0000 0.0074 0.0155 0.0000 0.0024 0.0000 0.0018 0.0000 0.0135 0.0102	1.0000 0.9926 0.9845 1.0000 0.9976 1.0000 0.9982 1.0000 0.9865 0.9898	100.00 100.00 99.26 97.72 97.72 97.49 97.49 97.31 97.31
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	1,522,448 1,545,306 1,524,018 1,570,283 1,604,102 1,517,396 1,503,226 1,550,826 1,534,575 1,440,869	4,115 14,170 1,041 11,782 4,144	0.0000 0.0000 0.0000 0.0026 0.0093 0.0007 0.0076 0.0000	1.0000 1.0000 1.0000 0.9974 0.9907 0.9993 0.9924 1.0000 0.9971	95.02 95.02 95.02 95.02 95.02 94.78 93.89 93.83 93.11
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	1,436,725 1,343,244 1,297,653 1,160,051 1,017,684 860,681 754,299 754,000 738,678 164,567	1,935 1,385 782 31,816 822 1,402 1,268 11,561 3,738	0.0013 0.0010 0.0000 0.0007 0.0313 0.0010 0.0019 0.0017 0.0157 0.0227	0.9987 0.9990 1.0000 0.9993 0.9687 0.9990 0.9981 0.9983 0.9843 0.9773	92.85 92.72 92.63 92.63 92.56 89.67 89.58 89.42 89.27 87.87
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	157,291 137,603 88,362 47,554 45,466 45,466 45,466 48,975 49,122 51,386	453	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0092 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9908 1.0000	85.87 85.87 85.87 85.87 85.87 85.87 85.87 85.87

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1950-2017		EXPE	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5	69,949 133,633 133,633 133,633 120,938 118,788 118,788	196 201 7,700	0.0028 0.0000 0.0000 0.0000 0.0000 0.0017 0.0655	0.9972 1.0000 1.0000 1.0000 1.0000 0.9983 0.9345	85.08 84.84 84.84 84.84 84.84 84.84 84.70
47.5 48.5	127,105 125,143	1,360	0.0000 0.0109	1.0000 0.9891	79.15 79.15
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	110,427 109,088 107,777 107,574 105,989 105,989 105,989 102,430 102,283 93,995	1,311 203 999 832	0.0000 0.0120 0.0019 0.0093 0.0000 0.0000 0.0078 0.0000 0.0000	1.0000 0.9880 0.9981 0.9907 1.0000 1.0000 0.9922 1.0000 1.0000	78.29 78.29 77.35 77.20 76.48 76.48 76.48 75.88 75.88
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5	76,946 16,226 16,226 16,226 10,690 10,690 10,690	5,536	0.0000 0.0000 0.0000 0.3412 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 0.6588 1.0000 1.0000	75.88 75.88 75.88 75.88 49.99 49.99 49.99 49.99



ORIGINAL CURVE = 1955-2017 PLACEMENTS 1998-2017 EXPERIENCE 1991-2017 PLACEMENTS 25 ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS 4 20 ORIGINAL AND SMOOTH SURVIVOR CURVES IDWA 13-S2 CALIFORNIA PROPERTY AGE IN YEARS PACIFICORP 9 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT 1	BAND 1955-2017		EXPER	RIENCE BAN	D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	1,342,030 1,289,953 1,289,953 1,248,813 1,248,813 1,106,113 1,106,113 892,112	24,170 19,035 72,678	0.0000 0.0000 0.0000 0.0000 0.0194 0.0000 0.0172 0.0815	1.0000 1.0000 1.0000 1.0000 0.9806 1.0000 0.9828 0.9185	100.00 100.00 100.00 100.00 100.00 98.06 98.06 96.38
7.5 8.5	819,434 605,142	82,297 21,791	0.1004 0.0360	0.8996 0.9640	88.53 79.63
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	543,257 497,307 439,858 241,222 226,855 154,692 123,464 63,202 56,204 32,459	43,418 39,325 75,614 23,414 24,454 12,290 37,991 6,998 23,745 4,014	0.0799 0.0791 0.1719 0.0971 0.1078 0.0795 0.3077 0.1107 0.4225 0.1237	0.9201 0.9209 0.8281 0.9029 0.8922 0.9205 0.6923 0.8893 0.5775 0.8763	76.77 70.63 65.05 53.86 48.64 43.39 39.95 27.65 24.59 14.20
19.5 20.5 21.5 22.5 23.5 24.5	24,246 13,997 13,997 13,997 13,997	10,250	0.4227 0.0000 0.0000 0.0000 0.0000	0.5773 1.0000 1.0000 1.0000 1.0000	12.45 7.18 7.18 7.18 7.18 7.18



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT I	BAND 1991-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	1,098,245 1,035,917 1,090,881 1,093,406 1,113,065 1,075,779 1,090,009 876,596 803,918 585,773	24,170 19,035 72,678 82,297 21,790	0.0000 0.0000 0.0000 0.0000 0.0217 0.0000 0.0175 0.0829 0.1024 0.0372	1.0000 1.0000 1.0000 1.0000 0.9783 1.0000 0.9825 0.9171 0.8976 0.9628	100.00 100.00 100.00 100.00 100.00 97.83 97.83 96.12 88.15 79.13
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	507,585 450,314 394,780 204,546 181,131 118,015 99,078 38,816 38,816 18,196	34,858 30,411 67,212 23,414 15,407 37,991	0.0687 0.0675 0.1703 0.1145 0.0851 0.0000 0.3835 0.0000 0.5312 0.0000	0.9313 0.9325 0.8297 0.8855 0.9149 1.0000 0.6165 1.0000 0.4688 1.0000	76.18 70.95 66.16 54.90 48.61 44.48 44.48 27.42 27.42
19.5 20.5 21.5 22.5 23.5 24.5	13,997 13,997 13,997 13,997 13,997		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	12.86 12.86 12.86 12.86 12.86 12.86



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ORIGINAL CURVE ■ 1968-2017 EXPERIENCE 1955-2013 PLACEMENTS 20 ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 4 ORIGINAL AND SMOOTH SURVIVOR CURVES CALIFORNIA PROPERTY AGE IN YEARS PACIFICORP IOWA 17-L2 20 9 70 8 8 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

PLACEMENT	BAND 1955-2013		EXPE	RIENCE BAN	D 1968-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5	1,782,327 1,782,327 1,771,084 1,741,326 1,786,410	11,243 29,758	0.0000 0.0063 0.0168 0.0000 0.0000	1.0000 0.9937 0.9832 1.0000 1.0000	100.00 100.00 99.37 97.70 97.70
4.5 5.5 6.5 7.5 8.5	1,619,703 1,644,495 1,459,167 1,456,494 1,276,389	12,745 32,537 161,929	0.0000 0.0000 0.0087 0.0223 0.1269	1.0000 1.0000 0.9913 0.9777 0.8731	97.70 97.70 97.70 97.70 96.85 94.68
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5	1,085,257 962,693 842,063 622,639 414,469 413,738 301,958 203,768 193,643	76,214 120,630 26,076 44,912 730 22,831 58,686 10,125 12,696	0.0702 0.1253 0.0310 0.0721 0.0018 0.0552 0.1944 0.0497 0.0656	0.9298 0.8747 0.9690 0.9279 0.9982 0.9448 0.8056 0.9503 0.9344	82.67 76.87 67.23 65.15 60.45 60.35 57.02 45.93 43.65
18.5 19.5 20.5 21.5 22.5	180,947 175,134 175,134 175,134 52,950	59,336 14,905	0.0321 0.0000 0.0000 0.3388 0.2815	0.9679 1.0000 1.0000 0.6612 0.7185	40.79 39.48 39.48 39.48 26.10
23.5 24.5 25.5 26.5 27.5 28.5	38,045 38,045 32,430 32,244 32,244 32,244	5,616 186	0.0000 0.1476 0.0057 0.0000 0.0000	1.0000 0.8524 0.9943 1.0000 1.0000	18.76 18.76 15.99 15.90 15.90
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5	32,244 32,244 32,244 31,306 19,209 19,209 2,377 2,377	938 12,097 16,832	0.0000 0.0000 0.0291 0.3864 0.0000 0.8762 0.0000	1.0000 1.0000 0.9709 0.6136 1.0000 0.1238 1.0000	15.90 15.90 15.90 15.43 9.47 9.47 1.17
37.5 38.5	2,377	2,377	1.0000		1.17

▲ 1998-2017 EXPERIENCE 1941-2013 PLACEMENTS ORIGINAL CURVE = 1930-2017 EXPERIENCE 100 ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS ORIGINAL AND SMOOTH SURVIVOR CURVES 80 CALIFORNIA PROPERTY AGE IN YEARS PACIFICORP IOWA 35-52 40 20 100 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT I	BAND 1930-2013		EXPER	RIENCE BAN	D 1969-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	531,748 538,303 538,303 541,196 541,196 532,273 532,845 392,705 354,014		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	354,014 345,008 283,238 283,238 283,238 280,628 280,900 246,366 245,668 245,668 223,816	1,645 698 19,106 723	0.0000 0.0000 0.0000 0.0000 0.0059 0.0000 0.0028 0.0000 0.0778 0.0032	1.0000 1.0000 1.0000 1.0000 0.9941 1.0000 0.9972 1.0000 0.9222 0.9968	100.00 100.00 100.00 100.00 100.00 99.41 99.41 99.13 99.13 91.42
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	224,188 151,285 125,873 114,117 113,225 69,440 69,826 41,797 41,293 41,293	7,260 438 892 9,729 2,634	0.0000 0.0480 0.0035 0.0078 0.0859 0.0000 0.0377 0.0000 0.0000 0.0145	1.0000 0.9520 0.9965 0.9922 0.9141 1.0000 0.9623 1.0000 1.0000	91.13 91.13 86.75 86.45 85.78 78.41 75.45 75.45
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	40,694 39,644 39,599 39,027 35,841 35,841 35,372 31,171 22,817 17,327	1,049 45 572 3,187 468 4,202 7,408 49 3,686	0.0258 0.0011 0.0144 0.0817 0.0000 0.0131 0.1188 0.2377 0.0021 0.2127	0.9742 0.9989 0.9856 0.9183 1.0000 0.9869 0.8812 0.7623 0.9979 0.7873	74.35 72.44 72.35 71.31 65.49 65.49 64.63 56.95 43.42 43.32

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT BAND 1930-20	13	EX	PERIENCE BAND	1969-2017
AGE AT EXPOSURES BEGIN OF BEGINNING INTERVAL AGE INTERV	OF DURING AG	E RETM		PCT SURV BEGIN OF INTERVAL
39.5 13,6 40.5 12,6 41.5 12,6 42.5 10,3 43.5 10,3 44.5 8,3 45.5 7,7 46.5 7,7 47.5 4,9	583 583 2,3 331 280 2,0 204 4 784 2,8	958 0.070 0.000 853 0.185 51 0.004 975 0.201 420 0.051 0.000 840 0.364 0.000	0 1.0000 5 0.8145 9 0.9951 9 0.7981 2 0.9488 0 1.0000 9 0.6351 0 1.0000	34.11 31.71 31.71 25.83 25.70 20.51 19.46 19.46 12.36
	302 302 302 187 187 187	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.762 0.000	0 1.0000 0 1.0000 0 1.0000 0 1.0000 0 1.0000 0 1.0000 0 1.0000 4 0.2376	12.01 12.01 12.01 12.01 12.01 12.01 12.01 12.01 12.01 2.85
60.5 61.5 62.5 63.5 64.5 65.5 66.5	520 520 520 274 274 274 274 274	0.000 0.000 246 0.473 0.000 0.000 0.000 0.000 0.000 0.000	0 1.0000 5 0.5265 0 1.0000 0 1.0000 0 1.0000 0 1.0000 0 1.0000	2.85 2.85 2.85 1.50 1.50 1.50 1.50 1.50
70.5	274 274 274	0.000 0.000 274 1.000	0 1.0000	1.50 1.50 1.50

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT H	BAND 1941-2013		EXPE	RIENCE BAN	D 1998-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	314,069		0.0000	1.0000	100.00
0.5	387,463		0.0000	1.0000	100.00
1.5	406,946		0.0000	1.0000	100.00
2.5	427,094		0.0000	1.0000	100.00
3.5	427,094		0.0000	1.0000	100.00
4.5	449,613		0.0000	1.0000	100.00
5.5	466,602		0.0000	1.0000	100.00
6.5	344,448		0.0000	1.0000	100.00
7.5	305,613		0.0000	1.0000	100.00
8.5	305,613		0.0000	1.0000	100.00
9.5	296,382		0.0000	1.0000	100.00
10.5	234,611		0.0000	1.0000	100.00
11.5	234,611		0.0000	1.0000	100.00
12.5	234,611		0.0000	1.0000	100.00
13.5	229,636	1,645	0.0072	0.9928	100.00
14.5	227,991		0.0000	1.0000	99.28
15.5	193,457		0.0000	1.0000	99.28
16.5	193,457		0.0000	1.0000	99.28
17.5	204,132	17,788	0.0871	0.9129	99.28
18.5	188,987	723	0.0038	0.9962	90.63
19.5	188,264		0.0000	1.0000	90.29
20.5	114,870	7,260	0.0632	0.9368	90.29
21.5	88,127		0.0000	1.0000	84.58
22.5	79,394		0.0000	1.0000	84.58
23.5	82,834	9,729	0.1174	0.8826	84.58
24.5	39,049		0.0000	1.0000	74.65
25.5	39,049	2,634	0.0674	0.9326	74.65
26.5	14,207		0.0000	1.0000	69.61
27.5	13,155		0.0000	1.0000	69.61
28.5	13,155		0.0000	1.0000	69.61
29.5	19,710		0.0000	1.0000	69.61
30.5	19,710		0.0000	1.0000	69.61
31.5	22,603		0.0000	1.0000	69.61
32.5	22,603	3,187	0.1410	0.8590	69.61
33.5	22,031		0.0000	1.0000	59.80
34.5	22,031		0.0000	1.0000	59.80
35.5	29,439	4,202	0.1427	0.8573	59.80
36.5	28,077	7,408	0.2638	0.7362	51.26
37.5	19,724		0.0000	1.0000	37.74
38.5	14,366	3,440	0.2394	0.7606	37.74

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT BAND	1941-2013		EXPER:	IENCE BAND	1998-2017
BEGIN OF BEG	OSURES AT INNING OF INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	10,926 10,108 10,108 9,423 9,423 7,348 7,122 7,122 4,282 4,282	818 2,353 2,075 226 2,840	0.0749 0.0000 0.2327 0.0000 0.2202 0.0307 0.0000 0.3988 0.0000 0.0000	0.9251 1.0000 0.7673 1.0000 0.7798 0.9693 1.0000 0.6012 1.0000	28.70 26.55 26.55 20.37 20.37 15.89 15.40 9.26 9.26
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	4,528 4,528 4,528 4,528 1,914 1,914 1,914 2,187 2,187	1,668	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.7624 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.2376 1.0000	9.26 9.26 9.26 9.26 9.26 9.26 9.26 9.26
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	520 520 520 274 274 274 274 274 274	246	0.0000 0.0000 0.4735 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 0.5265 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	2.20 2.20 2.20 1.16 1.16 1.16 1.16 1.16 1.16
69.5 70.5 71.5 72.5	274 274 274	274	0.0000 0.0000 1.0000	1.0000	1.16 1.16 1.16



ORIGINAL CURVE ■ 2001-2017 EXPERIENCE 1992-2017 PLACEMENTS 25 20 ORIGINAL AND SMOOTH SURVIVOR CURVES IOWA 9-S4 AGE IN YEARS 9 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

CALIFORNIA PROPERTY

PACIFICORP

ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1992-2017		EXPER	RIENCE BAN	D 2001-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	1,920,269		0.0000	1.0000	100.00
0.5	1,744,560		0.0000	1.0000	100.00
1.5	1,818,028		0.0000	1.0000	100.00
2.5	1,818,028		0.0000	1.0000	100.00
3.5	1,947,872		0.0000	1.0000	100.00
4.5	1,669,340		0.0000	1.0000	100.00
5.5	1,669,340	66,489	0.0398	0.9602	100.00
6.5	1,493,946	293,319	0.1963	0.8037	96.02
7.5	1,250,573	285,972	0.2287	0.7713	77.17
8.5	490,699	256,129	0.5220	0.4780	59.52
9.5 10.5	127,295	127,295	1.0000		28.45



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ORIGINAL CURVE ■ 1980-2017 EXPERIENCE 1946-2013 PLACEMENTS 1998-2017 EXPERIENCE 1966-2013 PLACEMENTS 20 4 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS IOWA 15-L2 2 9 100 70 8 8 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

CALIFORNIA PROPERTY

PACIFICORP

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT H	BAND 1946-2013		EXPE	RIENCE BAN	D 1980-2017
AGE AT	EXPOSURES AT	RETIREMENTS		GIIDI	PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	5,146,154		0.0000	1.0000	100.00
0.5	5,146,154		0.0000	1.0000	100.00
1.5	5,146,154		0.0000	1.0000	100.00
2.5	5,146,154		0.0000	1.0000	100.00
3.5	5,211,442	100,382	0.0193	0.9807	100.00
4.5	5,117,801	271,059	0.0530	0.9470	98.07
5.5	4,665,697	357,160	0.0766	0.9234	92.88
6.5	3,692,157	190,544	0.0516	0.9484	85.77
7.5	2,961,748	66,456	0.0224	0.9776	81.34
8.5	2,806,802	5,483	0.0020	0.9980	79.52
9.5	2,585,779		0.0000	1.0000	79.36
10.5	2,586,116	226,870	0.0877	0.9123	79.36
11.5	1,922,366	179,709	0.0935	0.9065	72.40
12.5	1,742,657	254,887	0.1463	0.8537	65.63
13.5	1,374,073	279,164	0.2032	0.7968	56.03
14.5	1,094,909	198,268	0.1811	0.8189	44.65
15.5	373,689		0.0000	1.0000	36.56
16.5	373,689		0.0000	1.0000	36.56
17.5	373,689	63,013	0.1686	0.8314	36.56
18.5	310,676		0.0000	1.0000	30.40
19.5	310,676		0.0000	1.0000	30.40
20.5	310,676		0.0000	1.0000	30.40
21.5	300,529		0.0000	1.0000	30.40
22.5	304,413		0.0000	1.0000	30.40
23.5	313,416		0.0000	1.0000	30.40
24.5	65,310		0.0000	1.0000	30.40
25.5	65,310		0.0000	1.0000	30.40
26.5	65,310	55,860	0.8553	0.1447	30.40
27.5	9,449		0.0000	1.0000	4.40
28.5	9,449		0.0000	1.0000	4.40
29.5	9,449		0.0000	1.0000	4.40
30.5	9,449		0.0000	1.0000	4.40
31.5	9,449		0.0000	1.0000	4.40
32.5	9,449		0.0000	1.0000	4.40
33.5	12,215		0.0000	1.0000	4.40
34.5	12,215		0.0000	1.0000	4.40
35.5	12,215		0.0000	1.0000	4.40
36.5	12,215		0.0000	1.0000	4.40
37.5	12,215		0.0000	1.0000	4.40
38.5	12,215	3,884	0.3180	0.6820	4.40



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1946-2013		EXPE	RIENCE BAN	D 1980-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	8,331 2,766 2,766 2,766 2,766 2,766 2,766 2,766 2,766	2,766	0.6680 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 1.0000	0.3320 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	3.00 1.00 1.00 1.00 1.00 1.00 1.00



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT E	BAND 1966-2013		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	3,503,217 3,503,217 3,572,947 3,749,957 4,222,113 4,389,087 4,356,586 3,574,529 2,849,602 2,759,945	100,382 206,459 357,160 190,544 1,167 5,483	0.0000 0.0000 0.0000 0.0000 0.0238 0.0470 0.0820 0.0533 0.0004 0.0020	1.0000 1.0000 1.0000 1.0000 0.9762 0.9530 0.9180 0.9467 0.9996 0.9980	100.00 100.00 100.00 100.00 100.00 97.62 93.03 85.40 80.85 80.82
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	2,538,922 2,538,922 1,856,711 1,695,800 1,321,650 1,042,486 321,266 321,266 321,266 258,253	226,533 160,911 254,887 279,164 198,268	0.0000 0.0892 0.0867 0.1503 0.2112 0.1902 0.0000 0.0000 0.1961 0.0000	1.0000 0.9108 0.9133 0.8497 0.7888 0.8098 1.0000 1.0000 0.8039 1.0000	80.66 80.66 73.46 67.09 57.01 44.97 36.42 36.42 36.42
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	258,253 258,253 248,107 294,964 294,964 46,857 46,857	46,857	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 1.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	29.27 29.27 29.27 29.27 29.27 29.27 29.27 29.27
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5 39.5 40.5	5,566 5,566 5,566 5,566 5,566 5,566 5,566 5,566	5,566	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 1.0000		

UTAH PROPERTY



ORIGINAL CURVE = 1924-2017 EXPERIENCE 1889-2017 PLACEMENTS 100 IOWA 60-R2 8 AGE IN YEARS 4 20 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PACIFICORP UTAH PROPERTY ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

AGE AT BEGIN OF BEGINNING OF DURING AGE RETMT SURV BEGIN OF INTERVAL RATIO INTERVAL RATIO INTERVAL RATIO O.0 S8,576,257 7,578 0.0001 0.9999 100.00 0.5 57,625,353 26,261 0.0005 0.9995 99.99 1.5 57,556,767 116,972 0.0020 0.9980 99.94 2.5 57,161,376 82,795 0.0014 0.9986 99.74 3.5 56,087,401 70,182 0.0013 0.9987 99.59 4.5 54,018,719 46,325 0.0009 0.9991 99.38 6.5 48,853,035 43,934 0.0009 0.9991 99.38 6.5 42,934,564 129,518 0.0030 0.9970 98.28 8.5 36,637,495 91,838 0.0025 0.9975 97.98 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0025 0.9995 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9997 94.88 20.5 5,400,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9988 93.09 29.5 3,451,357 23.699 0.0047 0.9953 93.51 29.5 5,191,655 44,040 0.0085 0.9915 90.86 29.5 3,451,357 23.699 0.0043 0.9957 86.68 32.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,4	PLACEMENT	BAND 1889-2017		EXPER	RIENCE BAN	D 1924-2015
0.0				RETMT	SURV	
0.5 57,625,353 26,261 0.0005 0.9995 99.99 1.5 57,556,767 116,972 0.0020 0.9980 99.94 2.5 57,161,376 82,795 0.0014 0.9986 99.74 3.5 56,087,401 70,182 0.0013 0.9987 99.59 4.5 54,018,719 46,325 0.0009 0.9991 99.38 6.5 45,357,293 463,720 0.0102 0.9898 99.29 7.5 42,934,564 129,518 0.0030 0.9970 98.28 8.5 36,637,495 91,838 0.0025 0.9975 97.98 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.005 0.9995 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355	INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.5 57,625,353 26,261 0.0005 0.9995 99.99 1.5 57,556,767 116,972 0.0020 0.9800 99.94 2.5 57,161,376 82,795 0.0014 0.9986 99.74 3.5 56,087,401 70,182 0.0013 0.9987 99.59 4.5 54,018,719 46,325 0.0009 0.9991 99.38 6.5 45,357,293 463,720 0.0102 0.9898 99.29 7.5 42,934,564 129,518 0.0030 0.9970 98.28 8.5 36,637,495 91,838 0.0025 0.9975 97.88 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,662 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.31 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390	0.0	58,576,257	7,578	0.0001	0.9999	100.00
2.5 57,161,376 82,795 0.0014 0.9986 99.74 3.5 56,087,401 70,182 0.0013 0.9987 99.59 4.5 54,018,719 46,325 0.0009 0.9991 99.47 5.5 48,853,035 43,934 0.0009 0.9991 99.38 6.5 45,357,293 463,720 0.0102 0.9888 99.29 7.5 42,934,564 129,518 0.0030 0.9970 98.28 8.5 36,637,495 91,838 0.0025 0.9975 97.98 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 12,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 <td< td=""><td>0.5</td><td>57,625,353</td><td></td><td>0.0005</td><td>0.9995</td><td>99.99</td></td<>	0.5	57,625,353		0.0005	0.9995	99.99
3.5 56,087,401 70,182 0.0013 0.9987 99.59 4.5 54,018,719 46,325 0.0009 0.9991 99.47 5.5 48,853,035 43,934 0.0009 0.9991 99.38 6.5 45,357,293 463,720 0.0102 0.9898 99.29 7.5 42,934,564 129,518 0.0030 0.9970 98.28 8.5 36,637,495 91,838 0.0025 0.9975 97.98 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 96.76 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 <t< td=""><td>1.5</td><td>57,556,767</td><td>116,972</td><td>0.0020</td><td>0.9980</td><td>99.94</td></t<>	1.5	57,556,767	116,972	0.0020	0.9980	99.94
4.5 54,018,719 46,325 0.0009 0.9991 99.47 5.5 48,853,035 43,934 0.0009 0.9991 99.38 6.5 45,357,293 463,720 0.0102 0.9898 99.29 7.5 42,934,564 129,518 0.0030 0.9970 98.28 8.5 36,637,495 91,838 0.0025 0.9975 97.98 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.96 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.037 0.9963 96.21 17.5 14,145,238 <td< td=""><td>2.5</td><td>57,161,376</td><td>82,795</td><td>0.0014</td><td>0.9986</td><td>99.74</td></td<>	2.5	57,161,376	82,795	0.0014	0.9986	99.74
5.5 48,853,035 43,934 0.0009 0.9991 99.38 6.5 45,357,293 463,720 0.0102 0.9898 99.29 7.5 42,934,564 129,518 0.0030 0.9970 98.28 8.5 36,637,495 91,838 0.0025 0.9975 97.98 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610	3.5	56,087,401	70,182	0.0013	0.9987	99.59
6.5 45,357,293 463,720 0.0102 0.9898 99.29 7.5 42,934,564 129,518 0.0030 0.9970 98.28 8.5 36,637,495 91,838 0.0025 0.9975 97.98 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.037 0.9963 96.21 17.5 14,145,238 26,097 0.018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 <	4.5		46,325	0.0009	0.9991	99.47
7.5 42,934,564 129,518 0.0030 0.9970 98.28 8.5 36,637,495 91,838 0.0025 0.9975 97.98 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238		48,853,035	43,934	0.0009	0.9991	99.38
8.5 36,637,495 91,838 0.0025 0.9975 97.98 9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544	6.5		463,720	0.0102	0.9898	99.29
9.5 32,145,404 31,787 0.0010 0.9990 97.74 10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9913 92.97 24.5 6,467,559 8,113 0.0011 0.9989 93.07 23.5 7,772,084			129,518		0.9970	98.28
10.5 29,054,682 82,752 0.0028 0.9972 97.64 11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 92.97 24.5 6,467,559	8.5	36,637,495	91,838	0.0025	0.9975	97.98
11.5 26,363,688 13,873 0.0005 0.9995 97.36 12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559	9.5	32,145,404	31,787	0.0010	0.9990	97.74
12.5 24,904,221 92,677 0.0037 0.9963 97.31 13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 <t< td=""><td></td><td>29,054,682</td><td>82,752</td><td>0.0028</td><td>0.9972</td><td>97.64</td></t<>		29,054,682	82,752	0.0028	0.9972	97.64
13.5 22,181,868 42,390 0.0019 0.9981 96.95 14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9987 92.16 27.5 5,911,655 <td< td=""><td>11.5</td><td>26,363,688</td><td>13,873</td><td>0.0005</td><td>0.9995</td><td>97.36</td></td<>	11.5	26,363,688	13,873	0.0005	0.9995	97.36
14.5 18,024,143 67,473 0.0037 0.9963 96.76 15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0085 0.9915 90.86 28.5 4,168,627	12.5	24,904,221	92,677	0.0037	0.9963	97.31
15.5 17,110,355 34,193 0.0020 0.9980 96.40 16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 2	13.5	22,181,868	42,390	0.0019	0.9981	96.95
16.5 15,830,886 59,049 0.0037 0.9963 96.21 17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23		18,024,143		0.0037	0.9963	96.76
17.5 14,145,238 26,097 0.0018 0.9982 95.85 18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,			34,193	0.0020	0.9980	96.40
18.5 12,897,610 106,290 0.0082 0.9918 95.67 19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,7	16.5		59,049			
19.5 12,180,160 36,156 0.0030 0.9970 94.88 20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394			·			
20.5 10,381,238 120,447 0.0116 0.9884 94.60 21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934<	18.5	12,897,610	106,290	0.0082	0.9918	95.67
21.5 9,605,544 44,733 0.0047 0.9953 93.51 22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 <td>19.5</td> <td>12,180,160</td> <td>36,156</td> <td>0.0030</td> <td>0.9970</td> <td>94.88</td>	19.5	12,180,160	36,156	0.0030	0.9970	94.88
22.5 8,006,688 8,996 0.0011 0.9989 93.07 23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 </td <td>20.5</td> <td>10,381,238</td> <td>120,447</td> <td>0.0116</td> <td>0.9884</td> <td>94.60</td>	20.5	10,381,238	120,447	0.0116	0.9884	94.60
23.5 7,172,084 62,376 0.0087 0.9913 92.97 24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828<	21.5	9,605,544	44,733	0.0047	0.9953	93.51
24.5 6,467,559 8,113 0.0013 0.9987 92.16 25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564<	22.5	8,006,688	8,996	0.0011	0.9989	93.07
25.5 5,700,015 17,613 0.0031 0.9969 92.04 26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	23.5	7,172,084	62,376	0.0087	0.9913	
26.5 5,440,773 53,411 0.0098 0.9902 91.76 27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	24.5	6,467,559	8,113	0.0013	0.9987	92.16
27.5 5,191,655 44,040 0.0085 0.9915 90.86 28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	25.5	5,700,015	17,613	0.0031	0.9969	92.04
28.5 4,168,627 59,311 0.0142 0.9858 90.09 29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	26.5		53,411	0.0098	0.9902	
29.5 3,451,357 23,699 0.0069 0.9931 88.80 30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64					0.9915	
30.5 3,143,558 53,829 0.0171 0.9829 88.19 31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	28.5	4,168,627	59,311	0.0142	0.9858	90.09
31.5 2,738,852 11,709 0.0043 0.9957 86.68 32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	29.5	3,451,357	23,699	0.0069	0.9931	88.80
32.5 2,613,930 55,394 0.0212 0.9788 86.31 33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	30.5		53,829	0.0171	0.9829	88.19
33.5 2,403,984 55,934 0.0233 0.9767 84.48 34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	31.5	2,738,852	11,709	0.0043	0.9957	86.68
34.5 2,342,525 13,008 0.0056 0.9944 82.52 35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	32.5	2,613,930	55,394	0.0212	0.9788	86.31
35.5 2,189,554 106,689 0.0487 0.9513 82.06 36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64			55,934	0.0233	0.9767	84.48
36.5 1,982,775 10,828 0.0055 0.9945 78.06 37.5 1,907,099 21,564 0.0113 0.9887 77.64	34.5			0.0056	0.9944	82.52
37.5 1,907,099 21,564 0.0113 0.9887 77.64				0.0487	0.9513	82.06
				0.0055	0.9945	
38.5 1,793,308 11,702 0.0065 0.9935 76.76						
	38.5	1,793,308	11,702	0.0065	0.9935	76.76



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1889-2017		EXPER	RIENCE BAN	D 1924-2015
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	1,729,483	6,247	0.0036	0.9964	76.26
40.5	1,642,921	4,298	0.0026	0.9974	75.98
41.5	1,614,540	18,390	0.0114	0.9886	75.78
42.5	1,561,378	14,303	0.0092	0.9908	74.92
43.5	1,480,733	9,810	0.0066	0.9934	74.23
44.5	1,400,227	17,625	0.0126	0.9874	73.74
45.5	1,367,801	59,995	0.0439	0.9561	72.81
46.5	1,280,583	9,013	0.0070	0.9930	69.62
47.5	1,132,621	9,654	0.0085	0.9915	69.13
48.5	1,093,465	63,486	0.0581	0.9419	68.54
49.5	1,007,491	1,558	0.0015	0.9985	64.56
50.5	986,372	125	0.0001	0.9999	64.46
51.5	954,084	5,441	0.0057	0.9943	64.45
52.5	917,625	13,430	0.0146	0.9854	64.09
53.5	699,698	13,735	0.0196	0.9804	63.15
54.5	661,317	14,867	0.0225	0.9775	61.91
55.5	616,309	3,138	0.0051	0.9949	60.52
56.5	567,661	2,361	0.0042	0.9958	60.21
57.5	536,997	412	0.0008	0.9992	59.96
58.5	515,846	35,431	0.0687	0.9313	59.91
59.5	428,074	137	0.0003	0.9997	55.80
60.5	328,337	2,497	0.0076	0.9924	55.78
61.5	288,161	135	0.0005	0.9995	55.35
62.5	262,460	3,982	0.0152	0.9848	55.33
63.5	255,180		0.0000	1.0000	54.49
64.5	222,303	37,378	0.1681	0.8319	54.49
65.5	156,302	2,180	0.0139	0.9861	45.33
66.5	136,377	330	0.0024	0.9976	44.69
67.5	135,947	123	0.0009	0.9991	44.59
68.5	125,022	1,397	0.0112	0.9888	44.55
69.5	122,993	7,985	0.0649	0.9351	44.05
70.5	114,510	579	0.0051	0.9949	41.19
71.5	113,440		0.0000	1.0000	40.98
72.5	113,440		0.0000	1.0000	40.98
73.5	113,440		0.0000	1.0000	40.98
74.5	113,440		0.0000	1.0000	40.98
75.5	112,840	664	0.0059	0.9941	40.98
76.5	103,778		0.0000	1.0000	40.74
77.5	102,926	2,170	0.0211	0.9789	40.74
78.5	100,757		0.0000	1.0000	39.88



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT 1	BAND 1889-2017		EXPE	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF		RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
79.5	98,769	32	0.0003	0.9997	39.88
80.5	97,615	35,153	0.3601	0.6399	39.87
81.5	62,462	924	0.0148	0.9852	25.51
82.5	61,538	239	0.0039	0.9961	25.13
83.5	61,300	443	0.0072	0.9928	25.04
84.5	60,856	15,448	0.2538	0.7462	24.85
85.5	45,409	2,824	0.0622	0.9378	18.55
86.5	42,584		0.0000	1.0000	17.39
87.5	38,400	F 412	0.0000	1.0000	17.39
88.5	36,098	5,413	0.1499	0.8501	17.39
89.5	30,686		0.0000	1.0000	14.78
90.5	29,000		0.0000	1.0000	14.78
91.5	27,136		0.0000	1.0000	14.78
92.5	27,136		0.0000	1.0000	14.78
93.5	27,136		0.0000	1.0000	14.78
94.5	26,087		0.0000	1.0000	14.78
95.5	26,087		0.0000	1.0000	14.78
96.5	26,087		0.0000	1.0000	14.78
97.5	26,087		0.0000	1.0000	14.78
98.5	26,087		0.0000	1.0000	14.78
99.5	26,087		0.0000	1.0000	14.78
100.5	26,087		0.0000	1.0000	14.78
101.5	26,087		0.0000	1.0000	14.78
102.5	26,087		0.0000	1.0000	14.78
103.5	25,132		0.0000	1.0000	14.78
104.5	22,816		0.0000	1.0000	14.78
105.5	22,816		0.0000	1.0000	14.78
106.5	22,816		0.0000	1.0000	14.78
107.5					14.78



ORIGINAL CURVE = 1895-2017 PLACEMENTS 100 8 **IDWA 50-S0** AGE IN YEARS 4 20 70 8 8 9 20 20 РЕВСЕИТ ЗИВУІУІИС



ACCOUNT 362 STATION EQUIPMENT ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP UTAH PROPERTY

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	559,224,810 541,286,609 537,604,922 530,502,135 512,297,102 497,294,903 469,997,803 448,482,041	354,816 964,076 1,024,443 2,685,587 2,530,839 2,889,044 2,492,953 5,277,050	0.0006 0.0018 0.0019 0.0051 0.0049 0.0058 0.0053	0.9994 0.9982 0.9981 0.9949 0.9951 0.9942 0.9947 0.9882	100.00 99.94 99.76 99.57 99.06 98.58 98.00 97.48
7.5 8.5	429,848,222 384,394,202	3,417,523 2,610,428	0.0080	0.9920 0.9932	96.34 95.57
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	357,680,887 339,182,236 323,172,186 302,397,670 273,895,597 243,888,447 222,404,432 196,463,097 175,101,586 153,899,020 143,106,335 126,032,413 121,109,787 106,316,917 93,296,647 81,612,710 72,119,473 67,571,263 64,395,983 57,870,540	2,434,713 1,913,446 1,585,056 2,337,391 1,547,954 1,506,460 1,588,797 1,841,468 7,196,277 1,610,814 1,166,882 1,338,726 1,284,554 1,415,760 938,776 789,345 823,235 1,175,116 853,400 808,863	0.0068 0.0056 0.0049 0.0077 0.0057 0.0062 0.0071 0.0094 0.0411 0.0105 0.0106 0.0106 0.0133 0.0101 0.0097 0.0114 0.0174 0.0133 0.0140	0.9932 0.9944 0.9951 0.9923 0.9943 0.9938 0.9929 0.9906 0.9589 0.9895 0.9895 0.9894 0.9867 0.9899 0.9903 0.9886 0.9826 0.9867 0.9867	94.92 94.27 93.74 93.28 92.56 92.04 91.47 90.82 89.97 86.27 85.37 84.67 83.77 82.88 81.78 80.95 80.17 79.26 77.88 76.85
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	55,937,090 52,830,150 48,289,951 45,340,252 42,192,172 38,725,568 35,850,461 32,199,957 29,587,007 27,490,446	752,728 925,985 889,093 507,523 709,865 562,909 547,659 400,669 665,791 472,144	0.0135 0.0175 0.0184 0.0112 0.0168 0.0145 0.0153 0.0124 0.0225 0.0172	0.9865 0.9825 0.9816 0.9888 0.9832 0.9855 0.9847 0.9876 0.9775	75.77 74.75 73.44 72.09 71.28 70.08 69.07 68.01 67.16 65.65



ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1924-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	26,099,179 24,267,453 21,312,045 18,003,334 16,562,731 15,098,374 14,160,499 13,447,695 12,752,209	580,607	0.0222	0.9778	64.52
40.5		348,828	0.0144	0.9856	63.09
41.5		411,310	0.0193	0.9807	62.18
42.5		693,849	0.0385	0.9615	60.98
43.5		321,577	0.0194	0.9806	58.63
44.5		489,516	0.0324	0.9676	57.49
45.5		311,204	0.0220	0.9780	55.63
46.5		344,596	0.0256	0.9744	54.41
47.5		349,954	0.0274	0.9726	53.01
48.5	11,360,247	304,870	0.0268	0.9732	51.56
49.5	10,548,064	234,359	0.0222	0.9778	50.17
50.5	9,673,652	161,792	0.0167	0.9833	49.06
51.5	9,150,181	142,891	0.0156	0.9844	48.24
52.5	8,717,259	298,807	0.0343	0.9657	47.49
53.5	7,557,136	180,879	0.0239	0.9761	45.86
54.5	7,034,422	167,552	0.0238	0.9762	44.76
55.5	6,289,002	222,515	0.0354	0.9646	43.69
56.5	5,385,776	231,516	0.0430	0.9570	42.15
57.5	4,374,118	71,011	0.0162	0.9838	40.34
58.5	3,943,592	153,630	0.0390	0.9610	39.68
59.5	3,514,511	75,815	0.0216	0.9784	38.14
60.5	2,852,771	103,958	0.0364	0.9636	37.31
61.5	2,495,765	68,687	0.0275	0.9725	35.95
62.5	2,066,465	135,292	0.0655	0.9345	34.96
63.5	1,666,679	38,510	0.0231	0.9769	32.67
64.5	1,371,841	119,758	0.0873	0.9127	31.92
65.5	1,124,724	20,648	0.0184	0.9816	29.13
66.5	1,032,920	20,997	0.0203	0.9797	28.60
67.5	880,519	36,346	0.0413	0.9587	28.02
68.5	676,545	26,477	0.0391	0.9609	26.86
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	474,897 424,004 392,879 375,586 328,877 317,687 285,605 261,611 250,885 227,978	25,939 5,344 11,022 36,742 6,201 16,465 1,489 4,064 14,784 2,264	0.0546 0.0126 0.0281 0.0978 0.0189 0.0518 0.0052 0.0155 0.0589 0.0099	0.9454 0.9874 0.9719 0.9022 0.9811 0.9482 0.9948 0.9845 0.9411 0.9901	25.81 24.40 24.09 23.42 21.13 20.73 19.65 19.55 19.25 18.11



ACCOUNT 362 STATION EQUIPMENT

PLACEMENT BAND 1895-2017			EXPERIENCE BAND 1924-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5	217,191 205,088 182,536 134,342 130,621 119,232 110,794 95,262 77,220	4,100 15,952 46,623 3,721 10,862 7,407 10,042 426 210	0.0189 0.0778 0.2554 0.0277 0.0832 0.0621 0.0906 0.0045	0.9811 0.9222 0.7446 0.9723 0.9168 0.9379 0.9094 0.9955	17.93 17.59 16.23 12.08 11.75 10.77 10.10 9.19 9.14
88.5 89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5 98.5	71,291 62,748 56,662 54,959 49,098 46,096 36,120 35,371 22,009 21,977 20,474	4,000	0.0000 0.0000 0.0000 0.0728 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 0.9272 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	9.12 9.12 9.12 9.12 8.46 8.46 8.46 8.46 8.46 8.46
99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5	8,353 5,850 4,250 3,590 3,590 3,327 2,927 2,927	230	0.0000 0.0393 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 0.9607 1.0000 1.0000 1.0000 1.0000 1.0000	8.46 8.46 8.12 8.12 8.12 8.12 8.12 8.12 8.12



ORIGINAL CURVE ■ 1955-2017 EXPERIENCE 1955-2012 PLACEMENTS 100 8 ORIGINAL AND SMOOTH SURVIVOR CURVES OWA 50-R1 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 389.2 LAND RIGHTS

PACIFICORP UTAH PROPERTY

ACCOUNT 389.2 LAND RIGHTS

PLACEMENT I	BAND 1955-2012		EXPER	RIENCE BAN	D 1992-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	49,985 49,985 51,213 51,213 51,213 1,228 1,228 2,826 3,005		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	3,005 3,005 3,005 3,005 24,327 24,327 30,698 30,698 30,698 30,928		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	31,313 33,116 33,116 33,116 33,841 33,841 33,841 32,858 32,909		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	32,909 33,208 33,415 33,415 31,817 31,638 31,638 32,293 32,293		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00

ACCOUNT 389.2 LAND RIGHTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT E	BAND 1955-2012		EXPER	RIENCE BAN	D 1992-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	10,971 10,971 4,601 4,601 4,370 3,985 2,182 2,182 2,182		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	2,182 1,457 1,457 1,457 1,213 1,161 1,161 863 655 655		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
59.5 60.5 61.5 62.5	655 655 655		0.0000 0.0000 0.0000	1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00



ORIGINAL CURVE = 1895-2017 EXPERIENCE 100 8 IOWA 50-R1 AGE IN YEARS 4 20 70 20-8 8 09 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP UTAH PROPERTY

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1895-2017		EXPER	RIENCE BAN	D 1931-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	119,675,596	365,677	0.0031	0.9969	100.00
0.5	116,669,391	28,995	0.0002	0.9998	99.69
1.5	114,873,221	66,347	0.0006	0.9994	99.67
2.5	113,531,817	334,609	0.0029	0.9971	99.61
3.5	111,697,531	609,581	0.0055	0.9945	99.32
4.5	109,104,854	376,378	0.0034	0.9966	98.78
5.5	105,957,767	882,673	0.0083	0.9917	98.44
6.5	101,530,811	541,886	0.0053	0.9947	97.62
7.5	100,004,601	579,121	0.0058	0.9942	97.09
8.5	98,240,743	499,075	0.0051	0.9949	96.53
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	94,221,849 91,730,140 88,913,108 85,819,410 82,526,697 76,930,160 76,096,715 74,234,215 71,755,402 70,043,234	1,128,438 1,269,912 600,253 1,604,929 921,140 392,949 1,296,160 1,199,343 358,782 516,911	0.0120 0.0138 0.0068 0.0187 0.0112 0.0051 0.0170 0.0162 0.0050 0.0074	0.9880 0.9862 0.9932 0.9813 0.9888 0.9949 0.9830 0.9838 0.9950 0.9926	96.04 94.89 93.58 92.95 91.21 90.19 89.73 88.20 86.78 86.34
19.5	68,639,505	516,126	0.0075	0.9925	85.71
20.5	59,640,778	423,890	0.0071	0.9929	85.06
21.5	58,082,814	471,301	0.0081	0.9919	84.46
22.5	57,141,739	270,011	0.0047	0.9953	83.77
23.5	55,631,753	693,115	0.0125	0.9875	83.37
24.5	48,845,376	477,330	0.0098	0.9902	82.34
25.5	40,462,153	658,387	0.0163	0.9837	81.53
26.5	35,106,844	166,817	0.0048	0.9952	80.20
27.5	34,331,162	419,407	0.0122	0.9878	79.82
28.5	33,537,059	752,393	0.0224	0.9776	78.85
29.5	32,318,443	1,246,911	0.0386	0.9614	77.08
30.5	29,628,044	609,890	0.0206	0.9794	74.11
31.5	26,354,237	838,811	0.0318	0.9682	72.58
32.5	22,594,482	171,824	0.0076	0.9924	70.27
33.5	20,386,287	867,298	0.0425	0.9575	69.74
34.5	17,985,652	538,602	0.0299	0.9701	66.77
35.5	15,176,651	65,487	0.0043	0.9957	64.77
36.5	14,363,678	304,645	0.0212	0.9788	64.49
37.5	13,284,187	196,551	0.0148	0.9852	63.12
38.5	8,442,569	114,978	0.0136	0.9864	62.19



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT 1	BAND 1895-2017		EXPER	RIENCE BAN	D 1931-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	7,130,619 6,582,740 6,028,306 5,733,729 3,319,941 3,219,637 3,093,906 2,524,546 2,496,104 2,453,822	36,431 177,605 248,723 35,352 27,923 80,035 68,162 4,285 20,895 17,182	0.0051 0.0270 0.0413 0.0062 0.0084 0.0249 0.0220 0.0017 0.0084 0.0070	0.9949 0.9730 0.9587 0.9938 0.9916 0.9751 0.9780 0.9983 0.9916 0.9930	61.34 61.03 59.38 56.93 56.58 56.10 54.71 53.50 53.41 52.97
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	2,413,292 2,373,742 2,173,263 2,079,423 1,941,351 1,830,214 1,819,045 1,818,631 1,703,104 1,628,471	15,192 77,493 53,576 95,162 110,829 4,243 414 51,259 27,649 14,521	0.0063 0.0326 0.0247 0.0458 0.0571 0.0023 0.0002 0.0282 0.0162 0.0089	0.9937 0.9674 0.9753 0.9542 0.9429 0.9977 0.9998 0.9718 0.9838 0.9911	52.60 52.26 50.56 49.31 47.06 44.37 44.27 44.26 43.01 42.31
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	790,020 728,584 722,581 693,178 690,888 604,125 588,707 184,312 125,097 124,236	5,685 4,027 2,237 551 85,117 12,390 14,554	0.0072 0.0055 0.0031 0.0008 0.1232 0.0205 0.0247 0.0000 0.0000	0.9928 0.9945 0.9969 0.9992 0.8768 0.9795 0.9753 1.0000 1.0000	41.93 41.63 41.40 41.27 41.24 36.16 35.42 34.54 34.54
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	124,016 117,668 106,198 105,843 105,843 105,818 105,818 105,818	11,238 25	0.0000 0.0955 0.0000 0.0000 0.0000 0.0002 0.0000 0.0000 0.0000	1.0000 0.9045 1.0000 1.0000 0.9998 1.0000 1.0000 1.0000	34.54 34.54 31.24 31.24 31.24 31.24 31.24 31.24 31.24



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT I	BAND 1895-2017		EXPER	RIENCE BAN	D 1931-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5	105,818 105,818 104,404 99,841 99,841 99,841 96,405 96,405 95,952	1,413 4,564 3,436 453	0.0000 0.0134 0.0437 0.0000 0.0000 0.0344 0.0000 0.0047 0.0000	1.0000 0.9866 0.9563 1.0000 1.0000 0.9656 1.0000 0.9953 1.0000	31.24 31.24 30.82 29.47 29.47 29.47 28.46 28.46 28.32 28.32
89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5	95,952 90,736 90,736 83,067 82,025 81,777 74,764 74,764 73,477	488 359 1,287	0.0000 0.0000 0.0054 0.0043 0.0000 0.0000 0.0000 0.0172 0.0000 0.0000	1.0000 1.0000 0.9946 0.9957 1.0000 1.0000 0.9828 1.0000 1.0000	28.32 28.32 28.32 28.17 28.05 28.05 28.05 28.05 27.57
99.5 100.5 101.5 102.5 103.5	73,477 68,300 68,239 68,239	5,077	0.0691 0.0000 0.0000 0.0000	0.9309 1.0000 1.0000	27.57 25.66 25.66 25.66 25.66



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ORIGINAL CURVE = 1970-2017 PLACEMENTS 20 ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS 4 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS UTAH PROPERTY PACIFICORP IфWA 13-L2.5 2 9 100 70 8 8 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT	BAND 1970-2017		EXPER	RIENCE BAN	ID 1987-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	35,707,843	27,921	0.0008	0.9992	100.00
0.5	35,844,409	71,128	0.0020	0.9980	99.92
1.5	37,192,605	112,724	0.0030	0.9970	99.72
2.5	37,718,381	178,349	0.0047	0.9953	99.42
3.5	37,119,207	297,208	0.0080	0.9920	98.95
4.5	37,308,242	598,401	0.0160	0.9840	98.16
5.5	37,475,780	939,562	0.0251	0.9749	96.58
6.5	37,091,611	1,239,023	0.0334	0.9666	94.16
7.5	36,444,149	2,342,093	0.0643	0.9357	91.02
8.5	34,145,583	3,209,399	0.0940	0.9060	85.17
9.5	29,569,231	3,360,589	0.1137	0.8863	77.16
10.5	25,809,094	3,348,323	0.1297	0.8703	68.39
11.5	21,186,399	3,119,434	0.1472	0.8528	59.52
12.5	16,195,154	2,441,945	0.1508	0.8492	50.76
13.5	12,747,503	2,191,459	0.1719	0.8281	43.10
14.5	9,598,407	1,947,990	0.2029	0.7971	35.69
15.5	6,489,726	1,440,674	0.2220 0.1639	0.7780 0.8361	28.45
16.5 17.5	4,563,780 3,469,924	748,228 654,579	0.1639	0.8361	22.13 18.51
18.5	2,676,856	426,225	0.1592	0.8114	15.01
19.5	1,880,717	262,109	0.1394	0.8606	12.62
20.5	1,273,732	233,329	0.1832	0.8168	10.86
21.5	821,349	156,410	0.1904	0.8096	8.87
22.5	597,509	178,993	0.2996	0.7004	7.18
23.5 24.5	277,304 176,879	25,962 50,008	0.0936 0.2827	0.9064 0.7173	5.03 4.56
25.5	126,871	25,755	0.2027	0.7173	3.27
26.5	101,116	26,317	0.2603	0.7397	2.61
27.5	71,369	20,517	0.0000	1.0000	1.93
28.5	71,369		0.0000	1.0000	1.93
29.5	67,697		0.0000	1.0000	1.93
30.5	67,697	1,050	0.0155	0.9845	1.93
31.5	48,048	11,787	0.2453	0.7547	1.90
32.5	36,262	11,176	0.3082	0.6918	1.43
33.5	25,086		0.0000	1.0000	0.99
34.5	25,086	6,281	0.2504	0.7496	0.99
35.5	18,805	13,303	0.7074	0.2926	0.74
36.5	5,501		0.0000	1.0000	0.22
37.5	5,501		0.0000	1.0000	0.22
38.5	5,501		0.0000	1.0000	0.22
39.5	5,501	5,501	1.0000		0.22
40.5					

ORIGINAL CURVE = 1987-2017 EXPERIENCE 1962-2017 PLACEMENTS 20 ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 4 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS UTAH PROPERTY PACIFICORP IOWA 17-L2 20 9 100 70 8 8 9 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

AGE AT BEGIN OF BEGINNING OF AGE INTERVAL BEGIN OF INTERVAL O. 0	PLACEMENT	BAND 1962-2017		EXPER	RIENCE BAN	D 1987-2017
BEGIN OF BEGINNING OF INTERVAL AGE INTERVAL	AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL				RETMT	SURV	
0.5 37,777,082 32,831 0.0009 0.9991 100.00 1.5 37,512,120 15,891 0.0004 0.9996 99.91 2.5 37,362,850 16,193 0.0004 0.9960 99.87 3.5 37,995,910 152,018 0.0040 0.9960 99.83 4.5 38,419,790 348,288 0.0091 0.9909 99.43 5.5 37,902,045 235,020 0.0062 0.9938 98.53 6.5 37,734,617 1,224,937 0.0325 0.9675 97.92 7.5 37,660,231 1,118,658 0.0297 0.9703 94.74 8.5 35,595,330 1,609,787 0.0452 0.9548 91.92 9.5 32,619,476 2,742,711 0.0841 0.9159 87.77 10.5 29,312,751 1,507,376 0.0514 0.9486 80.39 11.5 25,200,184 1,991,074 0.0790 0.9210 76.25 12.5 21,620,510		AGE INTERVAL		RATIO		
0.5 37,777,082 32,831 0.0009 0.9991 100.00 1.5 37,512,120 15,891 0.0004 0.9996 99.91 2.5 37,362,850 16,193 0.0004 0.9960 99.87 3.5 37,995,910 152,018 0.0040 0.9960 99.83 4.5 38,419,790 348,288 0.0091 0.9909 99.43 5.5 37,902,045 235,020 0.0062 0.9938 98.53 6.5 37,734,617 1,224,937 0.0325 0.9675 97.92 7.5 37,660,231 1,118,658 0.0297 0.9703 94.74 8.5 35,595,330 1,609,787 0.0452 0.9548 91.92 9.5 32,619,476 2,742,711 0.0841 0.9159 87.77 10.5 29,312,751 1,507,376 0.0514 0.9486 80.39 11.5 25,200,184 1,991,074 0.0790 0.9210 76.25 12.5 21,620,510	0 0	36.798.387	0	0 0000	1 0000	100 00
1.5 37,512,120 15,891 0.0004 0.9996 99.87 2.5 37,362,850 16,193 0.0004 0.9996 99.87 3.5 37,995,910 152,018 0.0040 0.9909 99.83 4.5 38,419,790 348,288 0.0091 0.9909 99.43 5.5 37,903,045 235,020 0.0062 0.9938 98.53 6.5 37,734,617 1,224,937 0.0325 0.9675 97.92 7.5 37,660,231 1,118,658 0.0297 0.9703 94.74 8.5 35,595,330 1,609,787 0.0452 0.9548 91.92 9.5 32,619,476 2,742,711 0.0841 0.9159 87.77 10.5 29,312,751 1,507,376 0.0514 0.9486 80.39 11.5 25,200,184 1,991,074 0.0790 0.9210 76.25 12.5 21,620,510 1,613,482 0.0746 0.9254 70.23 13.5 18,215,612 1,706,040 0.0937 0.9063 64.99 14.5 1						
2.5 37,362,850 16,193 0.0004 0.9996 99.87 3.5 37,995,910 152,018 0.0040 0.9960 99.83 4.5 38,419,790 348,288 0.0091 0.9909 99.43 5.5 37,903,045 235,020 0.0622 0.9938 98.53 6.5 37,734,617 1,224,937 0.0325 0.9675 97.92 7.5 37,660,231 1,118,658 0.0297 0.9703 94.74 8.5 35,595,330 1,609,787 0.0452 0.9548 91.92 9.5 32,619,476 2,742,711 0.0841 0.9159 87.77 10.5 29,312,751 1,507,376 0.0514 0.9486 80.39 11.5 25,200,184 1,991,074 0.0790 0.9210 76.25 12.5 21,620,510 1,613,482 0.0746 0.9254 70.23 13.5 18,215,612 1,706,040 0.0937 0.9063 64.99 14.5 16,413,759 1,617,294 0.0985 0.9015 58.90 15.5 <						
3.5						
4.5 38,419,790 348,288 0.0091 0.9909 99.43 5.5 37,903,045 235,020 0.0062 0.9938 98.53 6.5 37,734,617 1,224,937 0.0325 0.9675 97.92 7.5 37,660,231 1,118,658 0.0297 0.9703 94.74 8.5 35,595,330 1,609,787 0.0452 0.9548 91.92 9.5 32,619,476 2,742,711 0.0841 0.9159 87.77 10.5 29,312,751 1,507,376 0.0514 0.9486 80.39 11.5 25,200,184 1,991,074 0.0790 0.9210 76.25 12.5 21,620,510 1,613,482 0.0746 0.9254 70.23 13.5 18,215,612 1,706,040 0.0937 0.9063 64.99 14.5 16,413,759 1,617,294 0.0985 0.9015 58.90 15.5 12,996,138 1,512,210 0.1164 0.8836 53.10 16.5 11,124,822 1,276,450 0.1147 0.8853 46.92 17.5						
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14.5 16,413,759 1,617,294 0.0985 0.9015 58.90 15.5 12,996,138 1,512,210 0.1164 0.8836 53.10 16.5 11,124,822 1,276,450 0.1147 0.8853 46.92 17.5 9,449,213 1,248,634 0.1321 0.8679 41.54 18.5 8,026,855 1,406,415 0.1752 0.8248 36.05 19.5 6,565,119 868,444 0.1323 0.8677 29.73 20.5 5,613,133 508,119 0.0905 0.9095 25.80 21.5 4,624,656 539,708 0.1167 0.8833 23.46 22.5 3,533,981 365,322 0.1034 0.8966 20.72 23.5 2,907,088 448,968 0.1544 0.8456 18.58 24.5 2,122,663 275,071 0.1296 0.8704 15.71 25.5 1,769,927 238,763 0.1349 0.8651 13.68 26.5 1,104,883 66,138 0.0599 0.9401 11.83 27.5 1,038,7	12.5	21,620,510		0.0746	0.9254	70.23
15.5 12,996,138 1,512,210 0.1164 0.8836 53.10 16.5 11,124,822 1,276,450 0.1147 0.8853 46.92 17.5 9,449,213 1,248,634 0.1321 0.8679 41.54 18.5 8,026,855 1,406,415 0.1752 0.8248 36.05 19.5 6,565,119 868,444 0.1323 0.8677 29.73 20.5 5,613,133 508,119 0.0905 0.9095 25.80 21.5 4,624,656 539,708 0.1167 0.8833 23.46 22.5 3,533,981 365,322 0.1034 0.8966 20.72 23.5 2,907,088 448,968 0.1544 0.8456 18.58 24.5 2,122,663 275,071 0.1296 0.8704 15.71 25.5 1,769,927 238,763 0.1349 0.8651 13.68 26.5 1,104,883 66,138 0.0599 0.9401 11.83 27.5 1,038,746 124,093 0.1195 0.8805 11.12 28.5 818,378 <td>13.5</td> <td></td> <td>1,706,040</td> <td>0.0937</td> <td>0.9063</td> <td>64.99</td>	13.5		1,706,040	0.0937	0.9063	64.99
16.5 11,124,822 1,276,450 0.1147 0.8853 46.92 17.5 9,449,213 1,248,634 0.1321 0.8679 41.54 18.5 8,026,855 1,406,415 0.1752 0.8248 36.05 19.5 6,565,119 868,444 0.1323 0.8677 29.73 20.5 5,613,133 508,119 0.0905 0.9095 25.80 21.5 4,624,656 539,708 0.1167 0.8833 23.46 22.5 3,533,981 365,322 0.1034 0.8966 20.72 23.5 2,907,088 448,968 0.1544 0.8456 18.58 24.5 2,122,663 275,071 0.1296 0.8704 15.71 25.5 1,769,927 238,763 0.1349 0.8651 13.68 26.5 1,104,883 66,138 0.0599 0.9401 11.83 27.5 1,338,746 124,093 0.1195 0.8805 11.12 28.5 818,378 176,177 0.2153 0.8727 7.69 30.5 542,106		16,413,759			0.9015	
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21.5 4,624,656 539,708 0.1167 0.8833 23.46 22.5 3,533,981 365,322 0.1034 0.8966 20.72 23.5 2,907,088 448,968 0.1544 0.8456 18.58 24.5 2,122,663 275,071 0.1296 0.8704 15.71 25.5 1,769,927 238,763 0.1349 0.8651 13.68 26.5 1,104,883 66,138 0.0599 0.9401 11.83 27.5 1,038,746 124,093 0.1195 0.8805 11.12 28.5 818,378 176,177 0.2153 0.7847 9.79 29.5 621,187 79,082 0.1273 0.8727 7.69 30.5 542,106 0.0000 1.0000 6.71 31.5 345,807 0.0000 1.0000 6.71 33.5 201,280 85,791 0.4262 0.5738 6.40 34.5 115,490 0.0000 1.0000 3.67 35.5 75,238 0.0000 1.0000 3.67 36.5	19.5	6,565,119		0.1323	0.8677	
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27.5 1,038,746 124,093 0.1195 0.8805 11.12 28.5 818,378 176,177 0.2153 0.7847 9.79 29.5 621,187 79,082 0.1273 0.8727 7.69 30.5 542,106 0.0000 1.0000 6.71 31.5 345,807 0.0000 1.0000 6.71 32.5 211,081 9,801 0.0464 0.9536 6.71 33.5 201,280 85,791 0.4262 0.5738 6.40 34.5 115,490 0.0000 1.0000 3.67 35.5 75,238 0.0000 1.0000 3.67 37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51						
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29.5 621,187 79,082 0.1273 0.8727 7.69 30.5 542,106 0.0000 1.0000 6.71 31.5 345,807 0.0000 1.0000 6.71 32.5 211,081 9,801 0.0464 0.9536 6.71 33.5 201,280 85,791 0.4262 0.5738 6.40 34.5 115,490 0.0000 1.0000 3.67 35.5 75,238 0.0000 1.0000 3.67 37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51						
30.5 542,106 0.0000 1.0000 6.71 31.5 345,807 0.0000 1.0000 6.71 32.5 211,081 9,801 0.0464 0.9536 6.71 33.5 201,280 85,791 0.4262 0.5738 6.40 34.5 115,490 0.0000 1.0000 3.67 35.5 75,238 0.0000 1.0000 3.67 36.5 75,238 0.0000 1.0000 3.67 37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51	28.5		176,177		0.7847	
31.5 345,807 0.0000 1.0000 6.71 32.5 211,081 9,801 0.0464 0.9536 6.71 33.5 201,280 85,791 0.4262 0.5738 6.40 34.5 115,490 0.0000 1.0000 3.67 35.5 75,238 0.0000 1.0000 3.67 36.5 75,238 0.0000 1.0000 3.67 37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51			79,082			
32.5 211,081 9,801 0.0464 0.9536 6.71 33.5 201,280 85,791 0.4262 0.5738 6.40 34.5 115,490 0.0000 1.0000 3.67 35.5 75,238 0.0000 1.0000 3.67 36.5 75,238 0.0000 1.0000 3.67 37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51						
33.5 201,280 85,791 0.4262 0.5738 6.40 34.5 115,490 0.0000 1.0000 3.67 35.5 75,238 0.0000 1.0000 3.67 36.5 75,238 0.0000 1.0000 3.67 37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51						
34.5 115,490 0.0000 1.0000 3.67 35.5 75,238 0.0000 1.0000 3.67 36.5 75,238 0.0000 1.0000 3.67 37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51	32.5					
35.5 75,238 0.0000 1.0000 3.67 36.5 75,238 0.0000 1.0000 3.67 37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51			85,791			
36.5 75,238 0.0000 1.0000 3.67 37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51						
37.5 50,322 15,940 0.3168 0.6832 3.67 38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51						
38.5 34,382 0.0000 1.0000 2.51 39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51			45 040			
39.5 34,382 0.0000 1.0000 2.51 40.5 21,210 0.0000 1.0000 2.51			15,940			
40.5 21,210 0.0000 1.0000 2.51						
		21,210		0.0000	1.0000	

ORIGINAL CURVE ■ 1965-2017 EXPERIENCE 1923-2017 PLACEMENTS 100 ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS 8 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS UTAH PROPERTY PACIFICORP IOWA 30-S1 4 20 70 30-8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT I	BAND 1923-2017		EXPER	RIENCE BAN	D 1965-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	12,421,062		0.0000	1.0000	100.00
0.5	11,769,880	58,321	0.0050	0.9950	100.00
1.5	11,687,826	10,435	0.0009	0.9991	99.50
2.5	11,236,752	42,461	0.0038	0.9962	99.42
3.5	11,083,832	149,062	0.0134	0.9866	99.04
4.5	10,594,005	933	0.0001	0.9999	97.71
5.5	10,604,039	56,715	0.0053	0.9947	97.70
6.5	9,652,927	15,087	0.0016	0.9984	97.18
7.5	9,610,815	26,560	0.0028	0.9972	97.03
8.5	9,529,545	54,817	0.0058	0.9942	96.76
9.5	8,980,710	82,054	0.0091	0.9909	96.20
10.5	8,817,430	84,246	0.0096	0.9904	95.32
11.5	8,133,246	164,936	0.0203	0.9797	94.41
12.5	7,861,079	58,702	0.0075	0.9925	92.50
13.5	7,680,237	87,417	0.0114	0.9886	91.81
14.5	7,580,711	160,285	0.0211	0.9789	90.76
15.5	7,078,143	76,760	0.0108	0.9892	88.84
16.5	6,868,909	248,334	0.0362	0.9638	87.88
17.5	6,493,689	98,694	0.0152	0.9848	84.70
18.5	6,394,995	120,756	0.0189	0.9811	83.41
19.5	6,156,012	42,815	0.0070	0.9930	81.84
20.5	5,979,629	103,976	0.0174	0.9826	81.27
21.5	5,548,205	773,970	0.1395	0.8605	79.86
22.5	4,697,282	255,702	0.0544	0.9456	68.72
23.5	3,626,007	126,178	0.0348	0.9652	64.98
24.5	3,277,905	129,237	0.0394	0.9606	62.71
25.5	2,953,035	168,672	0.0571	0.9429	60.24
26.5	2,738,575	178,640	0.0652	0.9348	56.80
27.5	2,450,886	97,839	0.0399	0.9601	53.10
28.5	2,353,047	82,804	0.0352	0.9648	50.98
29.5	2,270,243	58,915	0.0260	0.9740	49.18
30.5	2,177,945	112,256	0.0515	0.9485	47.91
31.5	1,893,313	100,256	0.0530	0.9470	45.44
32.5	1,647,231	76,263	0.0463	0.9537	43.03
33.5	1,407,492	70,202	0.0499	0.9501	41.04
34.5	1,105,955	63,910	0.0578	0.9422	38.99
35.5	819,042	85,142	0.1040	0.8960	36.74
36.5	672,698	40,781	0.0606	0.9394	32.92
37.5	505,884	46,986	0.0929	0.9071	30.92
38.5	401,610	29,186	0.0727	0.9273	28.05

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT 1	BAND 1923-2017		EXPER	RIENCE BAN	D 1965-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5	332,906 227,559 170,619 151,757 136,663 126,553 108,278 93,497 88,474	12,623 28,690 13,333 12,192 2,975 11,205 3,939 385	0.0379 0.1261 0.0781 0.0803 0.0218 0.0885 0.0364 0.0041 0.0000	1.0000	26.01 25.03 21.87 20.16 18.54 18.14 16.53 15.93
48.5	88,474	3,853	0.0435	0.9565	15.87
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	78,130 70,719 49,047 38,648 24,787 20,426 20,426 15,447 6,262 4,138	1,025 4,028 5,309 2,015	0.0131 0.0570 0.0000 0.1374 0.0813 0.0000 0.0000 0.1483 0.0000 0.0000	0.9869 0.9430 1.0000 0.8626 0.9187 1.0000 1.0000 0.8517 1.0000	15.17 14.98 14.12 14.12 12.18 11.19 11.19 9.53 9.53
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	4,138 299 299 299 299 299 299 299 299		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	9.53 9.53 9.53 9.53 9.53 9.53 9.53 9.53
69.5 70.5 71.5 72.5 73.5	299 299 299 299	299	0.0000 0.0000 0.0000 1.0000	1.0000 1.0000 1.0000	9.53 9.53 9.53 9.53

ORIGINAL CURVE = 1980-2017 PLACEMENTS 20 4 AGE IN YEARS IOWA 10-L3 9 100 8 70 30-20-8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

PACIFICORP UTAH PROPERTY ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1980-2017 EXPERIENCE BAND 1995-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF BEGIN OF DURING AGE RETMT SURV INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 18,801,150 0.0000 1.0000 100.00 0.5 14,287,414 0.0000 1.0000 100.00 14,287,414 1.5 0.0000 1.0000 100.00 2.5 12,167,819 50,562 0.9958 0.0042 100.00 3.5 11,832,052 69,713 0.0059 0.9941 99.58 4.5 539,185 99.00 11,506,339 0.0469 0.9531 5.5 10,696,093 686,998 0.0642 0.9358 94.36 6.5 7,514,527 933,303 0.1242 0.8758 88.30 7.5 6,581,224 0.7817 77.33 1,436,667 0.2183 8.5 3,936,956 641,457 0.1629 0.8371 60.45 9.5 3,348,659 637,786 0.1905 0.8095 50.60 10.5 2,089,196 382,309 0.1830 0.8170 40.96 11.5 0.0497 33.47 1,498,042 74,395 0.9503 12.5 1,423,648 78,367 0.0550 0.9450 31.81 13.5 415,504 1,345,281 0.3089 0.6911 30.05 14.5 794,872 0.1034 0.8966 20.77 82,212 15.5 370,298 18.62 92,845 0.2507 0.7493 16.5 277,453 0.0000 1.0000 13.95 17.5 204,289 78,095 0.3823 0.6177 13.95 18.5 126,194 47,265 0.3745 0.6255 8.62 19.5 78,928 53,160 0.6735 0.3265 5.39 0.0000 20.5 25,768 1.0000 1.76 21.5 25,768 0.0000 1.0000 1.76 22.5 25,768 0.0000 1.0000 1.76 23.5 25,768 0.0000 1.0000 1.76 24.5 25,768 0.0000 1.0000 1.76 25.5 25,768 0.0000 1.0000 1.76 25,768 26.5 0.0000 1.0000 1.76 27.5 25,768 0.0000 1.76 1.0000 28.5 25,768 0.0000 1.0000 1.76 29.5 25,768 0.0000 1.0000 1.76 25,768 30.5 0.0000 1.0000 1.76 31.5 25,768 0.0000 1.0000 1.76 32.5 25,768 0.0000 1.0000 1.76 33.5 25,768 0.0000 1.0000 1.76 34.5 25,768 1.76 0.0000 1.0000 35.5 25,768 25,768 1.0000 1.76 36.5



ORIGINAL CURVE = 1955-2017 PLACEMENTS 20 4 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS IOWA 14-L0.5 2 9 8 70 30-8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PACIFICORP UTAH PROPERTY

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT	BAND 1955-2017		EXPEF	RIENCE BAN	D 1987-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	106,691,746 106,375,563 107,266,345 104,510,848 97,356,011 94,690,473 90,236,216 78,564,241	3,160,021 3,369,885 4,840,264 2,314,871 3,186,968 7,304,730 5,073,435	0.0000 0.0297 0.0314 0.0463 0.0238 0.0337 0.0810 0.0646	1.0000 0.9703 0.9686 0.9537 0.9762 0.9663 0.9190 0.9354	100.00 100.00 97.03 93.98 89.63 87.50 84.55 77.71
7.5 8.5	75,097,947 71,342,581	4,115,061 2,361,686	0.0548	0.9452	72.69 68.71
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	68,443,818 63,988,525 60,321,294 54,023,334 44,689,226 40,364,979 35,630,035 31,743,434 25,833,668 22,694,901	2,427,265 2,794,233 3,681,822 5,118,970 4,657,951 2,603,189 3,799,042 4,131,890 2,661,590 3,753,940	0.0355 0.0437 0.0610 0.0948 0.1042 0.0645 0.1066 0.1302 0.1030 0.1654	0.9645 0.9563 0.9390 0.9052 0.8958 0.9355 0.8934 0.8698 0.8970 0.8346	66.43 64.08 61.28 57.54 52.09 46.66 43.65 38.99 33.92 30.42
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	18,487,914 14,476,072 12,091,331 10,906,797 9,393,102 7,003,670 5,888,533 5,138,405 4,566,409 4,111,124	2,803,425 2,245,675 903,811 1,091,955 949,669 579,817 707,062 537,337 199,262 353,363	0.1516 0.1551 0.0747 0.1001 0.1011 0.0828 0.1201 0.1046 0.0436 0.0860	0.8484 0.8449 0.9253 0.8999 0.8989 0.9172 0.8799 0.8954 0.9564 0.9140	25.39 21.54 18.20 16.84 15.15 13.62 12.49 10.99 9.84 9.41
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	3,757,761 3,111,543 2,127,005 1,492,286 1,010,804 894,559 717,210 469,491 231,265 127,573	510,446 610,624 168,590 261,357 41,343 112,578 53,787 211,927 16,301	0.1358 0.1962 0.0793 0.1751 0.0409 0.1258 0.0750 0.4514 0.0705 0.0000	0.8642 0.8038 0.9207 0.8249 0.9591 0.8742 0.9250 0.5486 0.9295 1.0000	8.61 7.44 5.98 5.50 4.54 4.35 3.81 3.52 1.93 1.80



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT	BAND 1955-2017		EXPE	RIENCE BAN	D 1987-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5	84,541 68,117 68,117	16,424	0.1943 0.0000 0.0000		1.80 1.45 1.45
42.5 43.5 44.5 45.5 46.5 47.5 48.5	68,117 55,008 55,008 55,008 5,034 5,034 5,034	13,110	0.1925 0.0000 0.0000 0.0000 0.0000 0.0000	0.8075 1.0000 1.0000 1.0000 1.0000 1.0000	1.45 1.17 1.17 1.17 1.17 1.17
49.5 50.5 51.5	5,034 5,034	5,034	0.0000	1.0000	1.17



UTAH AND IDAHO PROPERTY



Exhibit JJS-3 Page 487 of 1422

2017 2016 2015 2014 2013 2012 2004 2005 2006 2007 2008 2009 2010 2011 -- BOOK BALANCE SIMULATED BALANCE --CURVE... 65-R4 2003 2002 2001 2000 1999 1998 8 12 16 10 4 4 міггіои роггава

PACIFICORP UTAH AND IDAHO PROPERTY ACCOUNT 360.2 LAND RIGHTS

BALANCES WITH BALANCES SIMULATED BY SURVIVOR

COMPARISON OF BOOK



ACCOUNT 360.2 LAND RIGHTS

SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 65-R4

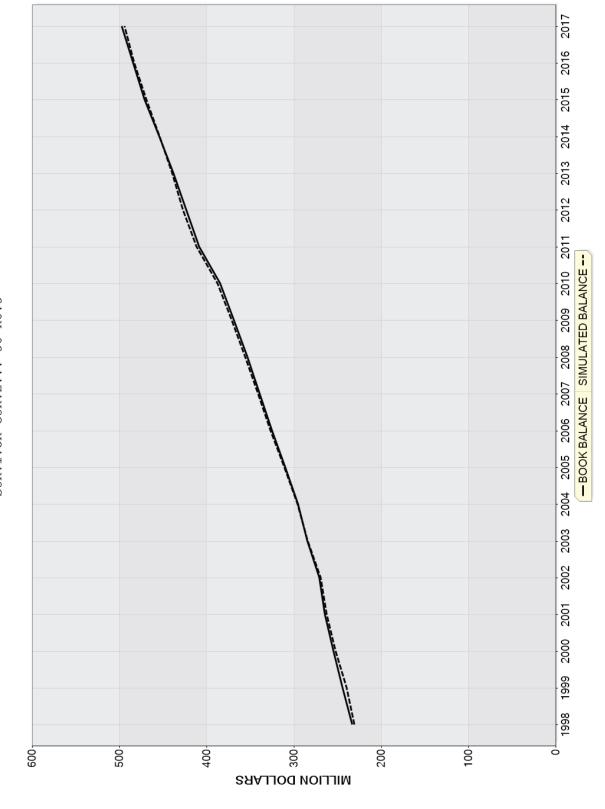
	BOOK	SIMULATED	
YEAR	BALANCE	BALANCE	DIFFERENCE
1998	4,753,317	4,755,673	2,355-
1999	5,467,056	5,469,762	2,706-
2000	5,546,252	5,549,345	3,093-
2001	5,578,426	5,581,958	3,532-
2002	5,578,426	5,582,435	4,009-
2003	5,689,716	5,694,268	4,552-
2004	5,698,417	5,703,546	5,129-
2005	5,854,297	5,860,072	5,775-
2006	5,855,440	5,861,893	6,453-
2007	5,996,068	6,003,266	7,198-
2008	6,057,452	6,093,767	36,316-
2009	7,015,335	7,052,471	37,136-
2010	7,376,554	7,414,507	37,953-
2011	8,745,405	8,784,200	38,795-
2012	12,207,639	12,247,217	39,578-
2013	13,836,555	13,876,856	40,301-
2014	14,534,323	14,575,271	40,949-
2015	15,250,714	15,292,161	41,447-
2016	16,048,347	16,090,190	41,843-
2017	16,081,801	16,123,770	41,969-
			RETIREMENTS
AVERAGE BOOK	RESIDUAL	CONFORM	EXPERIENCE
BALANCE	MEASURE	INDEX	BEG END
8,658,577	28,254	306.5	0.1 2.5



Exhibit JJS-3 Page 489 of 1422

PACIFICORP UTAH AND IDAHO PROPERTY ACCOUNT 364 POLES, TOWERS AND FIXTURES

COMPARISON OF BOOK BALANCES WITH BALANCES SIMULATED BY SURVIVOR CURVE... 50-R0.5



ACCOUNT 364 POLES, TOWERS AND FIXTURES

SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 50-R0.5

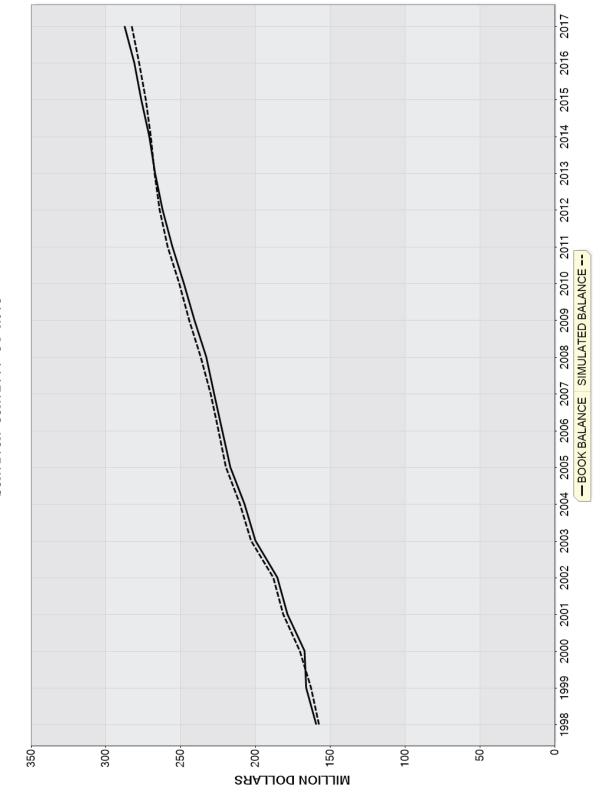
YEAR	BOOK BALANCE	SIMULAT BALANC		DIFFERE	INCE
YEAR 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014	BALANCE 233,494,678 244,570,389 254,972,600 264,854,868 271,217,916 285,011,544 295,615,006 310,232,118 325,443,644 339,541,509 353,562,700 369,054,528 384,780,722 408,882,119 423,620,982 438,339,142 454,571,659	BALANC 231,04 239,87 252,54 262,74 269,66 284,55 296,16 311,27 327,15 341,40 356,10 371,54 387,81 411,85 427,45 439,77 454,21	0,784 2,324 1,587 5,860 7,985 7,617 6,390 3,862 8,753 8,430 7,193 4,652 7,977 2,187 4,990 0,330	2,4! 4,69 2,41 1,54 4! 5! 1,04 1,71 1,80 2,54 3,00 2,91 3,81 1,41	53,894 98,065 31,014 09,008 49,931 53,927 51,384- 41,745- 15,109- 66,921- 44,493- 90,124- 37,255- 70,068- 34,008- 31,187- 54,709
2015	471,398,477	469,31	•	•	36,987
2016 2017	484,520,620 497,571,025	483,23 494,37	•		83,768 94,979
AVERAGE BO BALANCE	-	IDUAL ASURE	CONFORM INDEX	RETIRE EXPER BEG	
355,562,	812 2,37	3,629	149.8	100.0	100.0



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PACIFICORP
UTAH AND IDAHO PROPERTY
ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

COMPARISON OF BOOK BALANCES WITH BALANCES SIMULATED BY SURVIVOR CURVE... 54-R0.5



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 54-R0.5

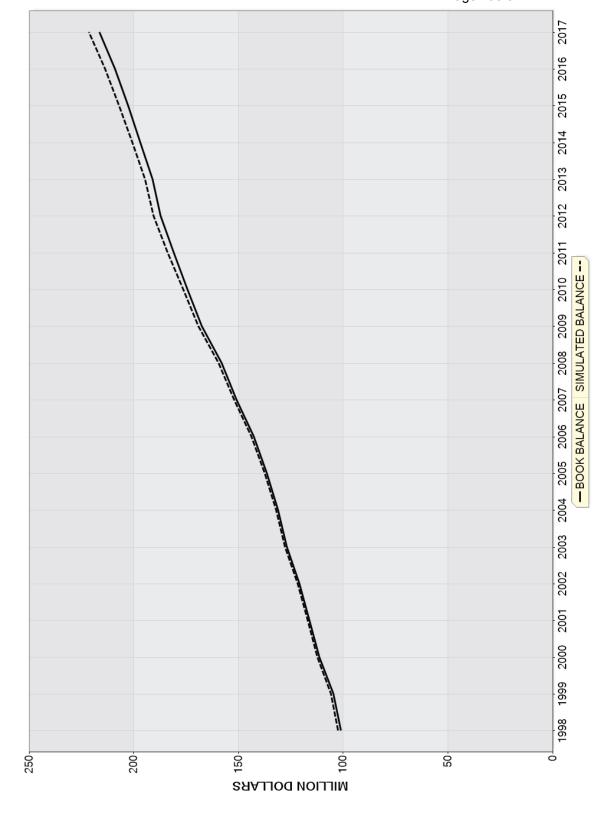
	BOOK		SIMULATED			
YEAR	BALANCE		BALANCE		DIFFERE	NCE
1998	159,588,09	97	157,760,090)	1,82	28,007
1999	166,307,70	67	163,066,806	5	3,24	10,961
2000	167,365,3	46	170,536,586	5	3,17	71,240-
2001	178,816,3	43	181,665,995	5	2,84	19,652-
2002	185,577,89	92	188,306,686	5	2,72	28,794-
2003	200,208,1	10	203,147,128	3	2,93	39,017-
2004	207,517,3	58	210,576,586	5	3,05	59,228-
2005	216,996,2	06	219,945,711	L	2,94	19,505-
2006	222,429,1		224,933,505	5	•	04,401-
2007	227,835,89		230,165,346		•	29,450-
2008	233,074,2		236,796,356		•	22,149-
2009	240,968,7		244,510,100		•	11,386-
2010	248,041,98		251,141,542		•	99,556-
2011	255,725,43		258,900,989		•	75,578-
2012	262,264,6		264,241,245		•	76,564-
2013	267,292,7		267,644,752			51,963-
2014	271,156,1		270,158,930			7,235
2015	276,542,13		273,494,432		•	17,703
2016	281,162,63		277,968,378		- ,	94,237
2017	287,695,5	79	282,891,149)	4,80)4,430
					RETIRE	MENTER
AVERAGE B	OOK	RESIDUAL	CONF	OPM	EXPER	
BALANCI		MEASURE	IND	_	BEG	END
227,828	,320 2	2,928,740	7	7.8	96.0	100.0



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PACIFICORP UTAH AND IDAHO PROPERTY ACCOUNT 366 UNDERGROUND CONDUIT

COMPARISON OF BOOK BALANCES WITH BALANCES SIMULATED BY SURVIVOR CURVE... 60-R2.5



ACCOUNT 366 UNDERGROUND CONDUIT

SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 60-R2.5

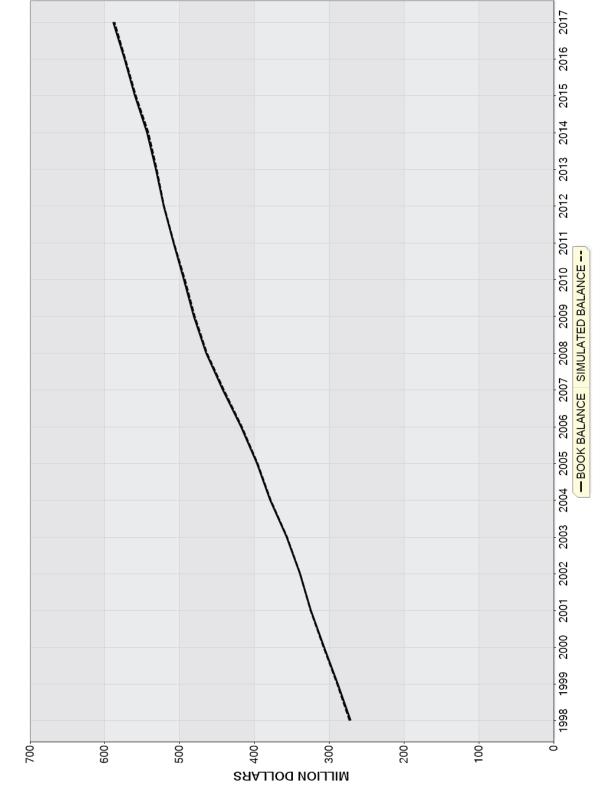
YEAR	BOOK BALANCE		SIMULATED BALANCE	DIFFERENCE
1998	101,237		102,610,630	1,373,289-
1999	101,237	•	102,010,030	1,165,929-
2000	111,550	•	112,503,826	953,536-
2000	116,279	•	117,096,761	817,423-
2001	121,063	•	121,915,845	852,524-
2002	127,003	•	127,972,544	895,499-
2003	131,260	•	132,184,769	924,287-
2005	136,622	•	137,621,469	998,960-
2006	142,852	-	143,999,658	1,147,378-
2007	151,091	•	152,236,998	1,145,191-
2008	158,205	•	159,664,919	1,459,059-
2009	167,657	•	169,308,328	1,650,927-
2010	174,513	•	176,517,506	2,003,585-
2011	181,035	,192	183,968,139	2,932,947-
2012	187,331	,633	190,703,953	3,372,320-
2013	191,173	,475	194,773,803	3,600,327-
2014	197,044	,483	200,836,362	3,791,879-
2015	202,833	,931	207,172,818	4,338,888-
2016	209,117	,104	213,839,046	4,721,942-
2017	216,536	,010	221,566,395	5,030,384-
				RETIREMENTS
AVERAGE	BOOK	RESIDUAL	CONFORM	EXPERIENCE
BALANC	CE .	MEASURE	INDEX	BEG END
156,466	5,245	2,583,053	60.6	92.9 99.9



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PACIFICORP
UTAH AND IDAHO PROPERTY
ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

COMPARISON OF BOOK BALANCES WITH BALANCES SIMULATED BY SURVIVOR CURVE... 60-R2.5



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 60-R2.5

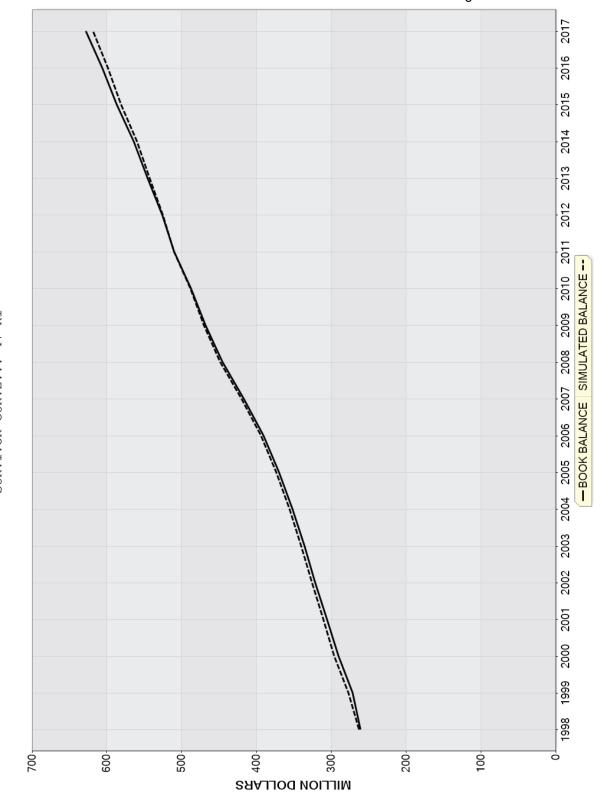
	BOOK		SIMULATED	
YEAR	BALANCE		BALANCE	DIFFERENCE
1998	271,858,	745	273,215,012	1,356,267-
1999	289,095,	025	289,879,107	784,082-
2000	307,394,	459	308,087,950	693,491-
2001	325,068,	075	325,434,244	366,169-
2002	339,628,	460	339,495,624	132,835
2003	357,501,	913	357,069,321	432,592
2004	379,418,	372	378,858,688	559,684
2005	397,096,	455	396,389,179	707,276
2006	418,496,	730	417,530,528	966,202
2007	442,752,	704	441,535,345	1,217,359
2008	465,032,	656	464,122,811	909,845
2009	481,534,	057	480,362,131	1,171,926
2010	494,824,	148	493,524,230	1,299,918
2011	508,616,	225	508,180,033	436,191
2012	521,724,	203	521,428,669	295,535
2013	532,213,	087	531,125,275	1,087,812
2014	544,050,	222	542,344,656	1,705,566
2015	560,270,	761	559,064,851	1,205,911
2016	574,074,	398	573,163,289	911,109
2017	589,222,	935	587,588,542	1,634,393
				RETIREMENTS
AVERAGE	BOOK	RESIDUAL	CONFORI	
BALAN		MEASURE	INDEX	BEG END
439,99	93,681	992,963	443.	94.6 100.0



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PACIFICORP UTAH AND IDAHO PROPERTY ACCOUNT 368 LINE TRANSFORMERS

COMPARISON OF BOOK BALANCES WITH BALANCES SIMULATED BY SURVIVOR CURVE... 47-R1



ACCOUNT 368 LINE TRANSFORMERS

SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 47-R1

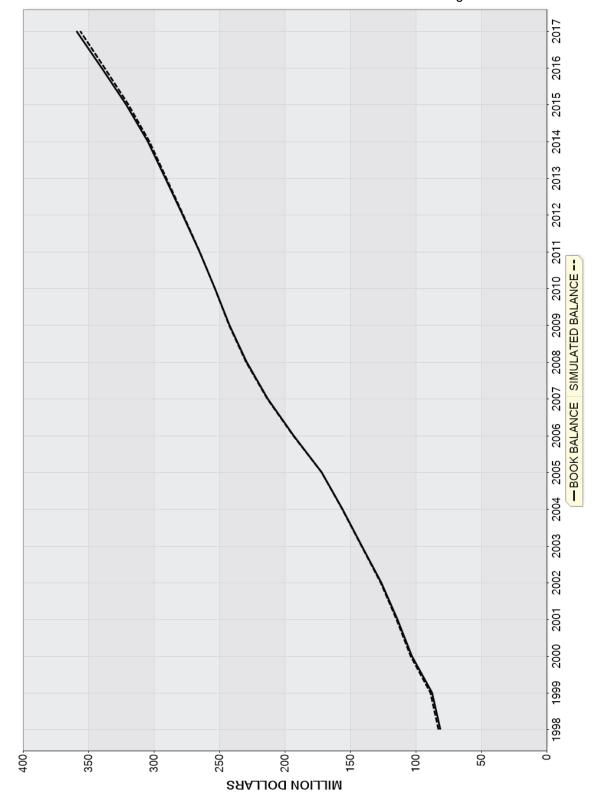
YEAR	BOOK BALANC		SIMULATED BALANCE	DIFFERENCE
1998	261,36	58,915	263,286,645	1,917,730-
1999	271,86	59,164	277,514,474	5,645,309-
2000	290,72	27,003	296,532,975	5,805,972-
2001	306,19	2,448	311,061,642	4,869,193-
2002	321,98	39,590	326,216,072	4,226,482-
2003	336,25	54,419	340,774,493	4,520,075-
2004	352,28	32,485	356,217,693	3,935,209-
2005	370,29	00,317	374,007,222	3,716,905-
2006	391,05	66,504	394,474,634	3,418,131-
2007	417,40	02,240	420,445,426	3,043,185-
2008	445,83	34,941	448,981,283	3,146,341-
2009	468,54	18,059	470,716,048	2,167,989-
2010	487,96	54,307	488,777,386	813,079-
2011	510,45	88,127	510,607,200	149,073-
2012	526,35	56,145	525,561,372	794,773
2013	545,96	51,257	543,216,512	2,744,744
2014	564,48	37,721	560,137,296	4,350,425
2015	587,14	19,218	581,403,864	5,745,354
2016	606,54	10,606	599,023,922	7,516,684
2017	628,47	77,248	618,895,398	9,581,850
				RETIREMENTS
AVERAGE	BOOK	RESIDUAL	CONFORM	EXPERIENCE
BALAN		MEASURE	INDEX	BEG END
434,56	0,536	4,501,120	96.5	100.0 100.0



Exhibit JJS-3 Page 499 of 1422

PACIFICORP UTAH AND IDAHO PROPERTY ACCOUNT 369 SERVICES

COMPARISON OF BOOK BALANCES WITH BALANCES SIMULATED BY SURVIVOR CURVE... 55-R3



ACCOUNT 369 SERVICES

SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 55-R3

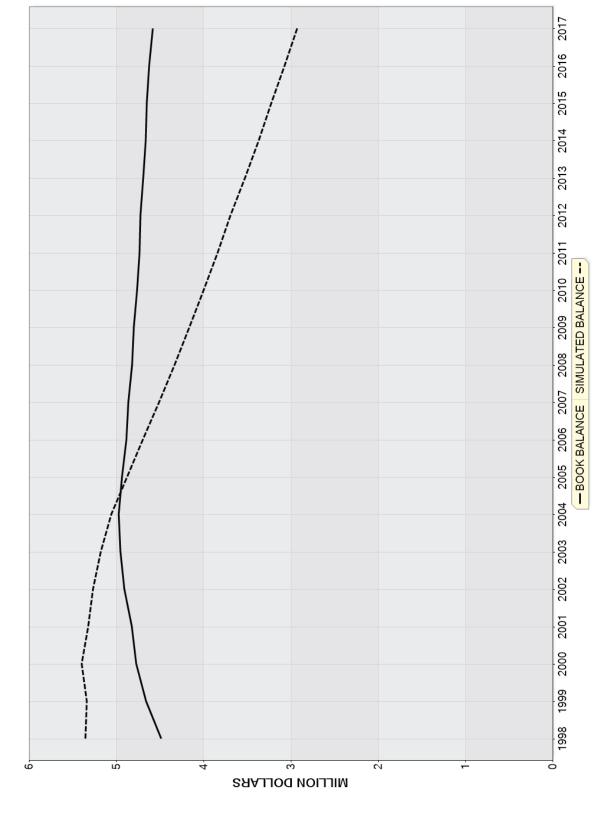
	BOOK	SIMULATED	
YEAR	BALANCE	BALANCE	DIFFERENCE
1998	81,430,332	82,917,697	1,487,365-
1999	87,770,971	89,050,451	1,279,480-
2000	103,226,573	104,181,593	955,020-
2001	114,269,764	115,005,396	735,632-
2002	126,618,477	127,094,246	475,769-
2003	141,562,242	141,791,053	228,811-
2004	156,271,780	156,482,433	210,653-
2005	172,164,064	172,208,316	44,252-
2006	193,618,056	193,936,978	318,922-
2007	213,353,236	213,684,911	331,675-
2008	229,437,527	229,910,730	473,204-
2009	242,536,870	242,845,210	308,341-
2010	253,645,982	253,710,159	64,177-
2011	265,472,440	265,300,460	171,980
2012	278,331,485	277,880,714	450,772
2013	291,578,878	290,782,992	795,887
2014	304,977,793	303,777,113	1,200,681
2015	321,462,013	319,769,854	1,692,160
2016	340,207,344	337,986,313	2,221,032
2017	359,423,129	356,570,993	2,852,136
			RETIREMENTS
AVERAGE BOO	K RESIDUA	L CONFORM	EXPERIENCE
BALANCE	MEASURE		BEG END
213,867,9	48 1,104,56	193.6	100.0 100.0



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PACIFICORP
UTAH AND IDAHO PROPERTY
ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

COMPARISON OF BOOK BALANCES
WITH BALANCES SIMULATED BY
SURVIVOR CURVE... 25-L0



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

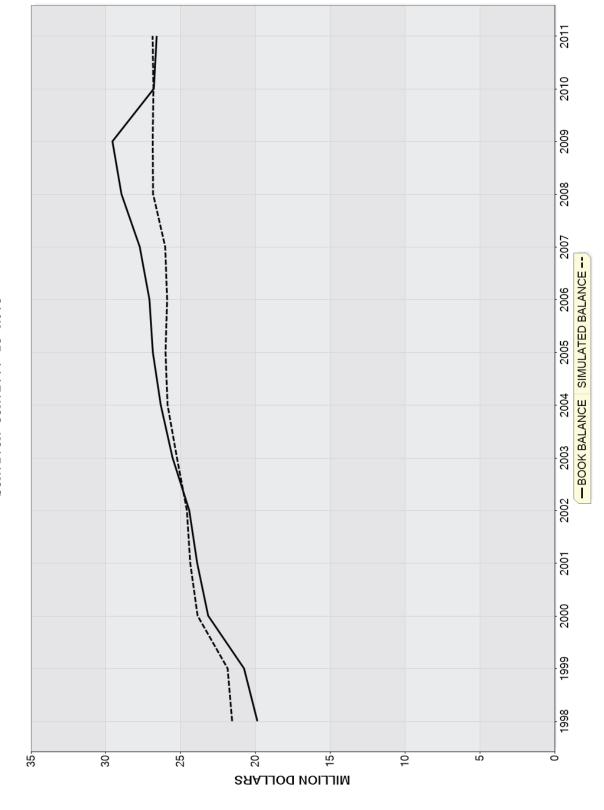
SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 25-L0

	BOOK	SIMULATED	
YEAR	BALANCE	BALANCE	DIFFERENCE
1998	4,488,927	5,357,362	868,435-
1999	4,662,550	5,341,575	679,025-
2000	4,775,187	5,399,951	624,764-
2001	4,825,765	5,325,131	499,366-
2002	4,911,484	5,270,405	358,921-
2003	4,956,172	5,181,117	224,945-
2004	4,975,712	5,060,781	85,069-
2005	4,937,997	4,879,726	58,270
2006	4,887,628	4,699,309	188,319
2007	4,865,608	4,513,188	352,420
2008	4,822,435	4,335,464	486,971
2009	4,803,079	4,167,283	635,796
2010	4,765,218	4,002,427	762,791
2011	4,737,137	3,842,441	894,696
2012	4,726,877	3,695,182	1,031,695
2013	4,694,797	3,529,110	1,165,687
2014	4,666,352	3,371,725	1,294,627
2015	4,654,256	3,227,908	1,426,348
2016	4,627,115	3,075,852	1,551,263
2017	4,585,197	2,931,129	1,654,068
			RETIREMENTS
AVERAGE BO	OOK RESIDUA	L CONFORM	EXPERIENCE
BALANCE	MEASUR!		BEG END
4,768,	475 880,46	5.4	75.4 95.1



PACIFICORP
UTAH AND IDAHO PROPERTY
ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

COMPARISON OF BOOK BALANCES
WITH BALANCES SIMULATED BY
SURVIVOR CURVE... 25-R0.5



PACIFICORP UTAH AND IDAHO PROPERTY

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 25-R0.5

YEAR	BOOK BALANCE	SIMULATED BALANCE	DIFFERENCE
1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	19,892,004 20,783,821 23,180,802 23,914,097 24,445,419 25,563,626 26,350,044 26,878,898 27,106,295 27,755,447 28,976,940 29,579,290 26,809,619	21,578,991 21,881,120 23,888,058 24,378,889 24,604,958 25,270,254 25,895,988 26,031,764 25,923,420 26,052,017 26,861,045 26,889,707 26,838,498	1,686,987- 1,097,298- 707,256- 464,791- 159,539- 293,372 454,056 847,134 1,182,875 1,703,429 2,115,895 2,689,584 28,879-
2010 2011 AVERAGE BOOK BALANCE	26,619,841 RESIDUAL MEASURE	26,836,496 26,895,507 CONFORM INDEX	26,679- 275,666- RETIREMENTS EXPERIENCE BEG END
25,561,153		20.4	100.0 100.0



IDAHO PROPERTY



ORIGINAL CURVE ■ 1944-1944 PLACEMENTS 100 IOWA 60-R4 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕВСЕИТ ЗИВУІЛІИС



ACCOUNT 360.2 LAND RIGHTS ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP IDAHO PROPERTY

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT H	BAND 1944-1944		EXPE	RIENCE BAN	D 1944-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	48,923 48,923 48,923 48,923 48,923 48,923 48,923 48,923 48,923		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	48,923 48,923 48,923 48,923 48,923 48,923 48,923 48,923 48,923		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	48,923 48,923 48,923 48,923 48,923 48,923 48,923 48,612 48,439	311 173 169	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0064 0.0036 0.0035	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9936 0.9964 0.9965	100.00 100.00 100.00 100.00 100.00 100.00 100.00 99.36 99.01
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	48,269 48,011 47,571 47,360 47,231 47,078 46,904 46,719 46,401 45,685	259 439 211 128 153 174 185 318 717 573	0.0054 0.0092 0.0044 0.0027 0.0032 0.0037 0.0039 0.0068 0.0154 0.0125	0.9946 0.9908 0.9956 0.9973 0.9968 0.9963 0.9961 0.9932 0.9846 0.9875	98.66 98.14 97.24 96.80 96.54 96.23 95.87 95.50 94.85 93.38

ACCOUNT 360.2 LAND RIGHTS

PLACEMENT	BAND 1944-1944		EXPER	RIENCE BAN	D 1944-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	45,112	949	0.0210	0.9790	92.21
40.5	44,163	918	0.0208	0.9792	90.27
41.5	43,245	842	0.0195	0.9805	88.39
42.5	42,403	191	0.0045	0.9955	86.67
43.5	42,213	882	0.0209	0.9791	86.28
44.5	41,331	215	0.0052	0.9948	84.48
45.5	41,115	179	0.0044	0.9956	84.04
46.5	40,936	849	0.0207	0.9793	83.67
47.5	40,086	1,647	0.0411	0.9589	81.94
48.5	38,439		0.0000	1.0000	78.57
49.5	38,439		0.0000	1.0000	78.57
50.5					78.57



ORIGINAL CURVE ■ 1981-2017 EXPERIENCE 1912-2016 PLACEMENTS 120 100 IOWA 65-RB 8 AGE IN YEARS 40 20 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP IDAHO PROPERTY

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1912-2016		EXPER	RIENCE BAN	D 1981-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	2,137,097 2,202,576 2,249,860 2,163,194 2,044,876 2,043,053 2,069,277 1,599,141 1,429,794 1,433,531	2,208 13,025	0.0000 0.0000 0.0000 0.0000 0.0011 0.0064 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 0.9989 0.9936 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 99.89 99.26 99.26 99.26
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	1,433,210 734,264 735,655 744,380 757,165 750,704 720,122 685,411 675,190 673,417	0 7,286	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0108 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9892 1.0000	99.26 99.26 99.26 99.26 99.26 99.26 99.26 99.26 99.26
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	696,330 688,108 690,622 580,675 582,071 559,416 541,871 542,233 539,027 473,014	2,877 252 134 810	0.0041 0.0000 0.0000 0.0000 0.0000 0.0005 0.0005 0.0015 0.0000	0.9959 1.0000 1.0000 1.0000 1.0000 0.9995 0.9998 0.9985 1.0000	98.18 97.78 97.78 97.78 97.78 97.78 97.78 97.73 97.71
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	434,812 434,812 436,061 396,259 395,435 395,658 354,196 323,387 265,622 221,896	1,865	0.0000 0.0000 0.0043 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 0.9957 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	97.56 97.56 97.14 97.14 97.14 97.14 97.14 97.14

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1912-2016		EXPE	RIENCE BAN	D 1981-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5	180,846 168,961 165,118 116,751 113,294 112,451 107,465 106,217 99,837 93,244		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	97.14 97.14 97.14 97.14 97.14 97.14 97.14 97.14 97.14
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	84,234 71,449 70,080 68,251 64,197 53,675 48,798 26,183 26,183 25,321	474	0.0000 0.0000 0.0068 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 0.9932 1.0000 1.0000 1.0000 1.0000 1.0000	97.14 97.14 97.14 96.49 96.49 96.49 96.49 96.49
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	21,227 20,249 19,803 8,232 5,507 2,498 1,602 1,602 2,898 3,651		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	96.49 96.49 96.49 96.49 96.49 96.49 96.49 96.49
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	3,497 3,434 3,211 3,211 3,211 3,128 3,128 3,128 3,128		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	96.49 96.49 96.49 96.49 96.49 96.49 96.49 96.49

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

PLACEMENT BAND 1	1912-2016		EXPER	LIENCE BANI	1981-2017
BEGIN OF BEGI	OSURES AT INNING OF INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5 80.5 81.5	3,128 2,880 2,880	248	0.0793 0.0000 0.0000	0.9207 1.0000 1.0000	96.49 88.83 88.83
82.5 83.5 84.5	2,880 2,819 2,819	61	0.0212 0.0000 0.0000	0.9788 1.0000 1.0000	88.83 86.95 86.95
85.5 86.5 87.5	2,819 2,808 2,808	11	0.0038 0.0000 0.0000		86.95 86.62 86.62
88.5 89.5	2,808	1,272 753	0.4531	0.5469	86.62 47.37
90.5 91.5 92.5	783 783 783		0.0000 0.0000 0.0000	1.0000 1.0000 1.0000	24.15 24.15 24.15
93.5 94.5 95.5	486 486 419		0.0000 0.0000 0.0000	1.0000 1.0000 1.0000	24.15 24.15 24.15
96.5 97.5 98.5	419 116 24		0.0000 0.0000 0.0000	1.0000 1.0000 1.0000	24.15 24.15 24.15
99.5 100.5 101.5 102.5 103.5	24 24 24 24 24		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	24.15 24.15 24.15 24.15 24.15
104.5					24.15



1998-2017 EXPERIENCE 1923-2017 PLACEMENTS ORIGINAL CURVE = 1911-2017 PLACEMENTS 100 IOWA 55-R1.5 8 AGE IN YEARS 9 20 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 362 STATION EQUIPMENT

PACIFICORP IDAHO PROPERTY

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1911-2017		EXPE	RIENCE BAN	D 1938-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	43,032,501	175,505	0.0041	0.9959	100.00
0.5	38,372,685	57,833	0.0015	0.9985	99.59
1.5	37,961,616	123,663	0.0033	0.9967	99.44
2.5	35,510,023	176,658	0.0050	0.9950	99.12
3.5	34,515,253	70,705	0.0020	0.9980	98.63
4.5	33,452,857	64,582	0.0019	0.9981	98.42
5.5	33,146,967	92,082	0.0028	0.9972	98.23
6.5	32,214,349	578,458	0.0180	0.9820	97.96
7.5	30,290,678	126,456	0.0042	0.9958	96.20
8.5	29,223,358	98,983	0.0034	0.9966	95.80
9.5	28,516,594	116,834	0.0041	0.9959	95.47
10.5	23,012,753	123,655	0.0054	0.9946	95.08
11.5	22,143,511	50,068	0.0023	0.9977	94.57
12.5	21,520,126	82,078	0.0038	0.9962	94.36
13.5	20,976,372	353,436	0.0168	0.9832	94.00
14.5	19,610,822	127,247	0.0065	0.9935	92.42
15.5	18,325,278	45,894	0.0025	0.9975	91.82
16.5	17,285,054	92,286	0.0053	0.9947	91.59
17.5	16,270,018	177,817	0.0109	0.9891	91.10
18.5	15,979,317	104,520	0.0065	0.9935	90.10
19.5	15,685,420	117,261	0.0075	0.9925	89.51
20.5	15,111,298	86,118	0.0057	0.9943	88.84
21.5	14,642,809	23,888	0.0016	0.9984	88.34
22.5	12,101,280	168,864	0.0140	0.9860	88.19
23.5	11,654,238	68,283	0.0059	0.9941	86.96
24.5	11,141,275	93,185	0.0084	0.9916	86.45
25.5	10,647,477	26,525	0.0025	0.9975	85.73
26.5	9,902,626	98,657	0.0100	0.9900	85.52
27.5	9,669,676	50,300	0.0052	0.9948	84.66
28.5	9,364,754	134,231	0.0143	0.9857	84.22
29.5	9,091,532	68,467	0.0075	0.9925	83.02
30.5	8,890,569	43,499	0.0049	0.9951	82.39
31.5	8,444,103	71,651	0.0085	0.9915	81.99
32.5	8,201,048	30,518	0.0037	0.9963	81.29
33.5	8,110,953	61,283	0.0076	0.9924	80.99
34.5	7,944,530	114,754	0.0144	0.9856	80.38
35.5	7,557,718	157,113	0.0208	0.9792	79.22
36.5	6,791,851	203,745	0.0300	0.9700	77.57
37.5	6,455,855	23,224	0.0036	0.9964	75.24
38.5	6,095,624	59,629	0.0098	0.9902	74.97



ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1911-2017		EXPER	RIENCE BAN	D 1938-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5	5,470,696 4,827,547 3,807,754 2,919,429 2,677,359 2,610,394 2,516,989 2,375,220 2,310,659 2,172,338	12,610 24,084 15,468 38,998 7,460 27,936 47,034 32,422 17,368 13,846	0.0023 0.0050 0.0041 0.0134 0.0028 0.0107 0.0187 0.0136 0.0075 0.0064	0.9977 0.9950 0.9959 0.9866 0.9972 0.9893 0.9813 0.9864 0.9925 0.9936	74.24 74.07 73.70 73.40 72.42 72.22 71.44 70.11 69.15 68.63
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	1,792,716 1,363,153 1,159,294 1,102,111 1,057,432 1,031,817 820,417 669,513 601,176 537,186	17,089 1,132 4,601 6,379 2,145 2,265 10,591 8,100	0.0095 0.0008 0.0000 0.0042 0.0060 0.0021 0.0028 0.0158 0.0135 0.0000	0.9905 0.9992 1.0000 0.9958 0.9940 0.9979 0.9972 0.9842 0.9865 1.0000	68.19 67.54 67.49 67.21 66.80 66.66 66.48 65.43 64.54
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	418,251 266,103 211,859 167,637 96,696 67,137 29,610 29,583 29,583 29,443	21,101 913 5,963	0.0000 0.0793 0.0000 0.0000 0.0094 0.0888 0.0000 0.0000 0.0000	1.0000 0.9207 1.0000 1.0000 0.9906 0.9112 1.0000 1.0000	64.54 64.54 59.43 59.43 59.43 58.87 53.64 53.64 53.64
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5	27,357 27,357 21,691 21,294 21,294 21,005 17,948 11,005 11,005	5,245 3,012	0.0000 0.1917 0.0000 0.0000 0.0000 0.1434 0.0000 0.0000 0.0000	1.0000 0.8083 1.0000 1.0000 0.8566 1.0000 1.0000 1.0000	53.64 53.64 43.35 43.35 43.35 43.35 37.14 37.14 37.14

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1911-2017		EXPER	RIENCE BAN	D 1938-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
79.5 80.5 81.5 82.5 83.5	11,005 8,149 915 915 915	40	0.0037 0.0000 0.0000 0.0000 0.0912	0.9963 1.0000 1.0000 1.0000 0.9088	37.14 37.00 37.00 37.00 37.00
84.5 85.5 86.5 87.5 88.5	832 832 832 832 832		0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	33.63 33.63 33.63 33.63 33.63
89.5 90.5 91.5 92.5 93.5 94.5	832 832 420 420 420		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000	33.63 33.63 33.63 33.63 33.63



ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1923-2017		EXPEF	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0 0.5	24,001,074 20,042,841	50,307	0.0000 0.0025	1.0000 0.9975	100.00 100.00
1.5	20,014,263	94,797	0.0047	0.9953	99.75
2.5	20,330,012	115,385	0.0057	0.9943	99.28
3.5	20,447,547	52,385	0.0026	0.9974	98.71
4.5	19,947,098	64,145	0.0032	0.9968	98.46
5.5	20,159,242	89,352	0.0044	0.9956	98.14
6.5	20,305,690	551,235	0.0271	0.9729	97.71
7.5	18,632,904	44,148	0.0024	0.9976	95.06
8.5	18,121,401	59,064	0.0033	0.9967	94.83
9.5	17,630,117	115,774	0.0066	0.9934	94.52
10.5	12,230,226	77,389	0.0063	0.9937	93.90
11.5	11,825,815	35,187	0.0030	0.9970	93.31
12.5	11,519,720	80,023	0.0069	0.9931	93.03
13.5	11,019,701	351,687	0.0319	0.9681	92.38
14.5	10,192,286	119,126	0.0117	0.9883	89.43
15.5	9,532,946	40,296	0.0042	0.9958	88.39
16.5	9,211,337	92,115	0.0100	0.9900	88.02
17.5	8,342,372	176,658	0.0212	0.9788	87.14
18.5	8,382,668	81,535	0.0097	0.9903	85.29
19.5	9,012,416	115,855	0.0129	0.9871	84.46
20.5	9,226,063	85,757	0.0093	0.9907	83.38
21.5	9,853,901	2,045	0.0002	0.9998	82.60
22.5	8,394,189	167,143	0.0199	0.9801	82.58
23.5	8,192,949	63,276	0.0077	0.9923	80.94
24.5	7,744,511	49,263	0.0064	0.9936	80.31
25.5	7,336,916	25,478	0.0035	0.9965	79.80
26.5	6,699,057	53,266	0.0080	0.9920	79.53
27.5	6,572,908	37,584	0.0057	0.9943	78.89
28.5	6,514,306	53,392	0.0082	0.9918	78.44
29.5	6,696,204	68,184	0.0102	0.9898	77.80
30.5	7,052,401	30,106	0.0043	0.9957	77.01
31.5	6,892,355	45,837	0.0067	0.9933	76.68
32.5	6,738,077	29,056	0.0043	0.9957	76.17
33.5	6,717,872	60,859	0.0091	0.9909	75.84
34.5	6,619,222	114,606	0.0173	0.9827	75.15
35.5	6,493,249	156,933	0.0242	0.9758	73.85
36.5	5,926,094	203,515	0.0343	0.9657	72.07
37.5	5,687,297	23,178	0.0041	0.9959	69.59
38.5	5,443,274	58,379	0.0107	0.9893	69.31



ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1923-2017		EXPE	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL		RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5	4,968,495 4,507,102 3,541,892 2,699,385 2,517,709 2,482,530 2,446,682	12,610 24,084 15,468 38,998 6,791 27,936 45,769	0.0025 0.0053 0.0044 0.0144 0.0027 0.0113 0.0187	0.9975 0.9947 0.9956 0.9856 0.9973 0.9887 0.9813	68.56 68.39 68.03 67.73 66.75 66.57
46.5 47.5 48.5	2,307,499 2,247,070 2,122,700	29,451 17,368 13,846	0.0128 0.0077 0.0065	0.9872 0.9923 0.9935	64.59 63.76 63.27
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5	1,745,164 1,315,601 1,112,163 1,055,377 1,010,698 985,372 774,016 635,301 566,964	17,089 1,132 4,601 6,379 2,145 2,265 10,591 8,100	0.0098 0.0009 0.0000 0.0044 0.0063 0.0022 0.0029 0.0167 0.0143	0.9902 0.9991 1.0000 0.9956 0.9937 0.9978 0.9971 0.9833 0.9857	62.86 62.24 62.19 62.19 61.92 61.53 61.39 61.21 60.19
58.5 59.5	503,887 384,952	3,133	0.0000	1.0000	59.3359.33
60.5 61.5 62.5 63.5 64.5	235,619 188,609 144,387 92,728 63,169	21,101 913 5,963	0.0896 0.0000 0.0000 0.0098 0.0944	0.9104 1.0000 1.0000 0.9902 0.9056	59.33 54.02 54.02 54.02 53.49
65.5 66.5 67.5 68.5	25,642 25,615 28,668 28,527	5,903	0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000	48.44 48.44 48.44 48.44
69.5 70.5 71.5 72.5 73.5 74.5	26,441 26,441 21,271 20,875 20,875 21,005	5,245 3,012	0.0000 0.1984 0.0000 0.0000 0.0000 0.1434	1.0000 0.8016 1.0000 1.0000 1.0000 0.8566	48.44 48.44 38.83 38.83 38.83 38.83
75.5 76.5 77.5 78.5	17,948 11,005 11,005 11,005	3,012	0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000	33.26 33.26 33.26 33.26

ACCOUNT 362 STATION EQUIPMENT

PLACEMENT	BAND 1923-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
79.5 80.5 81.5 82.5 83.5 84.5 85.5 86.5 87.5	11,005 8,149 915 915 915 832 832 832 832 832	83	0.0037 0.0000 0.0000 0.0000 0.0912 0.0000 0.0000 0.0000	0.9963 1.0000 1.0000 0.9088 1.0000 1.0000 1.0000	33.26 33.14 33.14 33.14 33.14 30.12 30.12 30.12 30.12
89.5 90.5 91.5 92.5 93.5 94.5	832 832 420 420 420		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000	30.12 30.12 30.12 30.12 30.12 30.12



ORIGINAL CURVE = 1959-2017 EXPERIENCE 1959-1987 PLACEMENTS 100 IOWA 60-R3 ORIGINAL AND SMOOTH SURVIVOR CURVES 8 AGE IN YEARS 4 20 70 20-8 8 9 20 РЕВСЕИТ ЗИВУІЛІИС



ACCOUNT 389.2 LAND RIGHTS

PACIFICORP IDAHO PROPERTY

ACCOUNT 389.2 LAND RIGHTS

PLACEMENT I	BAND 1959-1987		EXPER	RIENCE BAN	D 1959-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	4,868 4,868 4,868 4,868 4,868 4,868 4,868 4,868 4,868		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	4,868 4,868 4,868 4,868 4,868 4,868 4,868 4,868 4,868		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	4,868 4,868 4,868 4,868 4,868 4,868 4,868 4,868 4,868		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	4,868 2,564 2,564 2,564 2,564 2,564 2,564 2,564 2,564 2,564		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00

ACCOUNT 389.2 LAND RIGHTS

PLACEMENT	BAND 1959-1987		EXPER	RIENCE BAN	D 1959-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5 49.5 50.5 51.5	2,564 2,564 2,564 2,564 2,564 1,888 1,888 1,888 1,888 1,888		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
52.5 53.5 54.5 55.5 56.5 57.5 58.5	373 373 31 31 31		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00



ORIGINAL CURVE = 1911-2017 PLACEMENTS 100 IOWA 60-R3 8 AGE IN YEARS 4 20 1001 70 20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS ORIGINAL AND SMOOTH SURVIVOR CURVES

PACIFICORP IDAHO PROPERTY

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1911-2017		EXPE	RIENCE BAN	ID 1958-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	14,836,379		0.0000	1.0000	100.00
0.5	14,549,850		0.0000	1.0000	100.00
1.5	14,442,762	246	0.0000	1.0000	100.00
2.5	14,244,246	119	0.0000	1.0000	100.00
3.5	13,958,372	117	0.0000	1.0000	100.00
4.5	13,764,933	3,781	0.0003	0.9997	100.00
5.5	13,674,562	152	0.0000	1.0000	99.97
6.5	13,357,883	9,034	0.0007	0.9993	99.97
7.5	13,227,954	7,031	0.0000	1.0000	99.90
8.5	12,067,651	1,403	0.0001	0.9999	99.90
0.5	12,007,031	1,105	0.0001	0.0000	22.20
9.5	11,659,029	16,449	0.0014	0.9986	99.89
10.5	10,873,015	3,569	0.0003	0.9997	99.75
11.5	10,740,699	27,481	0.0026	0.9974	99.72
12.5	10,460,087	19,728	0.0019	0.9981	99.46
13.5	10,326,416	438	0.0000	1.0000	99.27
14.5	10,140,953	5,840	0.0006	0.9994	99.27
15.5	10,026,707	11,453	0.0011	0.9989	99.21
16.5	9,979,578	10,272	0.0010	0.9990	99.10
17.5	9,866,995	51,316	0.0052	0.9948	99.00
18.5	9,742,570	66,733	0.0068	0.9932	98.48
19.5	9,354,702	1,097	0.0001	0.9999	97.81
20.5	9,206,768	14,681	0.0016	0.9984	97.80
21.5	9,161,921	359,411	0.0392	0.9608	97.64
22.5	8,794,011	16,746	0.0019	0.9981	93.81
23.5	8,739,811	16,337	0.0019	0.9981	93.63
24.5	8,673,819	7,576	0.0009	0.9991	93.46
25.5	7,532,734	3,599	0.0005	0.9995	93.37
26.5	7,258,047	23,658	0.0033	0.9967	93.33
27.5	7,007,648	20,923	0.0030	0.9970	93.03
28.5	6,706,366	42,139	0.0063	0.9937	92.75
29.5	6,496,269	1,642	0.0003	0.9997	92.16
30.5	6,433,466	31,740	0.0049	0.9951	92.14
31.5	2,931,850	4,828	0.0016	0.9984	91.69
32.5	2,630,337	10,690	0.0041	0.9959	91.54
33.5	1,991,998	863	0.0004	0.9996	91.16
34.5	1,988,175	258	0.0001	0.9999	91.12
35.5	1,966,249	302	0.0002	0.9998	91.11
36.5	1,296,877	12,736	0.0098	0.9902	91.10
37.5	1,277,670	2,405	0.0019	0.9981	90.20
38.5	1,152,143	40,678	0.0353	0.9647	90.03



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1911-2017		EXPER	RIENCE BAN	D 1958-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	873,671	5,642	0.0065	0.9935	86.86
40.5	515,891	7,461	0.0145	0.9855	86.29
41.5	491,948	751	0.0015	0.9985	85.05
42.5	475,591	3,401	0.0072	0.9928	84.92
43.5	414,547	2,108	0.0051	0.9949	84.31
44.5	411,899	8,064	0.0196	0.9804	83.88
45.5	346,669	915	0.0026	0.9974	82.24
46.5	346,364	3,765	0.0109	0.9891	82.02
47.5	326,384	6,264	0.0192	0.9808	81.13
48.5	320,121	18,413	0.0575	0.9425	79.57
49.5	194,868		0.0000	1.0000	75.00
50.5	189,526	485	0.0026	0.9974	75.00
51.5	176,324	10 100	0.0000	1.0000	74.80
52.5	176,324	19,187	0.1088	0.8912	74.80
53.5	156,890	176	0.0011	0.9989	66.66
54.5 55.5	134,577 134,577		0.0000	1.0000 1.0000	66.59 66.59
56.5	134,377	2,510	0.0000	0.9808	66.59
57.5	66,041	2,510	0.0192	1.0000	65.31
58.5	66,041		0.0000	1.0000	65.31
59.5	65,893		0.0000	1.0000	65.31
60.5	65,893		0.0000	1.0000	65.31
61.5	65,893		0.0000	1.0000	65.31
62.5	57,860		0.0000	1.0000	65.31
63.5	35,353		0.0000	1.0000	65.31
64.5	35,353		0.0000	1.0000	65.31
65.5	35,353		0.0000	1.0000	65.31
66.5	21,331		0.0000	1.0000	65.31
67.5	21,331		0.0000	1.0000	65.31
68.5	21,331		0.0000	1.0000	65.31
69.5	21,331		0.0000	1.0000	65.31
70.5	5,181		0.0000	1.0000	65.31
71.5	5,181			1.0000	65.31
72.5	5,181		0.0000	1.0000	65.31
73.5	1,095		0.0000	1.0000	65.31
74.5	1,095		0.0000	1.0000	65.31
75.5	1,095		0.0000	1.0000	65.31
76.5	1,095		0.0000	1.0000	65.31
77.5	1,095		0.0000	1.0000	65.31
78.5	1,095		0.0000	1.0000	65.31
79.5	1,095		0.0000	1.0000	65.31
80.5					65.31

ORIGINAL CURVE = 1972-2017 EXPERIENCE 1951-2017 PLACEMENTS 25 ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS 20 ORIGINAL AND SMOOTH SURVIVOR CURVES OWA 13-S1.5 AGE IN YEARS IDAHO PROPERTY PACIFICORP 9 70 8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT E	BAND 1951-2017		EXPER	RIENCE BAN	D 1972-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	4,725,006 4,428,423 4,310,346 3,889,981 3,750,723 3,659,404 3,556,733 3,268,204 3,054,391 2,682,211	4,083 5,630 9,722 2,387 20,189 27,233 88,043 150,234 254,169 252,884	0.0009 0.0013 0.0023 0.0006 0.0054 0.0074 0.0248 0.0460 0.0832 0.0943	0.9991 0.9987 0.9977 0.9994 0.9946 0.9926 0.9752 0.9540 0.9168 0.9057	100.00 99.91 99.79 99.56 99.50 98.96 98.23 95.80 91.39 83.79
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	2,253,212 1,892,078 1,631,301 1,262,114 1,036,511 795,237 607,119 413,804 224,883 198,417	268,239 186,998 149,457 88,576 68,892 152,795 54,723 92,690 8,834 40,294	0.1190 0.0988 0.0916 0.0702 0.0665 0.1921 0.0901 0.2240 0.0393 0.2031	0.8810 0.9012 0.9084 0.9298 0.9335 0.8079 0.9099 0.7760 0.9607 0.7969	75.89 66.85 60.25 54.73 50.89 47.50 38.38 34.92 27.10 26.03
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5	70,180 9,547 8,099 8,099 8,099 4,412 4,412 4,412	28,020 1,448 3,687	0.3993 0.1517 0.0000 0.0000 0.4552 0.0000 0.0000	0.6007 0.8483 1.0000 1.0000 0.5448 1.0000 1.0000	20.75 12.46 10.57 10.57 10.57 5.76 5.76 5.76



9

ORIGINAL CURVE = 1951-2017 PLACEMENTS 20 ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 4 ORIGINAL AND SMOOTH SURVIVOR CURVES IOWA 18-S1 AGE IN YEARS IDAHO PROPERTY PACIFICORP 20 9 100 70 30-8 8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

PLACEMENT	BAND 1951-2017		EXPER	RIENCE BAN	D 1964-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	5,658,903 4,594,988 4,483,171 4,207,783 4,042,291 3,956,067 3,898,022 3,857,030 3,614,435 3,222,828	5,248 33,812 148,128 261,786 137,534	0.0000 0.0000 0.0000 0.0000 0.0000 0.0013 0.0087 0.0384 0.0724 0.0427	1.0000 1.0000 1.0000 1.0000 1.0000 0.9987 0.9913 0.9616 0.9276 0.9573	100.00 100.00 100.00 100.00 100.00 99.87 99.00 95.20 88.30
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	2,909,811 2,610,200 2,116,234 1,446,146 1,204,397 1,189,431 692,668 624,988 516,870 480,076	219,058 135,573 71,079 39,014 14,966 55,881 67,679 17,456 36,795 149,352	0.0753 0.0519 0.0336 0.0270 0.0124 0.0470 0.0977 0.0279 0.0712 0.3111	0.9247 0.9481 0.9664 0.9730 0.9876 0.9530 0.9023 0.9721 0.9288 0.6889	84.54 78.17 74.11 71.62 69.69 68.82 65.59 59.18 57.53 53.43
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	330,724 330,724 270,707 270,707 256,484 184,426 165,894 165,894 165,894	60,016 72,058 18,532	0.0000 0.1815 0.0000 0.0000 0.2809 0.1005 0.0000 0.0000	1.0000 0.8185 1.0000 1.0000 0.7191 0.8995 1.0000 1.0000	36.81 36.81 30.13 30.13 30.13 21.67 19.49 19.49 19.49
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	165,894 165,894 104,276 52,455 52,455 52,455 52,455 52,455 52,455		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	19.49 19.49 19.49 19.49 19.49 19.49 19.49 19.49

ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

PLACEMENT	BAND 1951-2017		EXPER	RIENCE BAN	ID 1964-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5	52,455		0.0000	1.0000	19.49 19.49



1959-2017 EXPERIENCE ORIGINAL CURVE ■ 1935-2017 PLACEMENTS 100 ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS ORIGINAL AND SMOOTH SURVIVOR CURVES 80 AGE IN YEARS IDAHO PROPERTY PACIFICORP IOWA 35-S1 9 20 100 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT	BAND 1935-2017		EXPE	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	1,513,395 1,331,323 1,325,039 1,259,251 1,255,516 1,227,617 1,230,184 1,071,111		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	1,068,456 1,047,440 1,018,908 717,260 701,772 665,129 650,149 649,283 635,503 545,432 545,432	13,780 60,656 30,068	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0212 0.0954 0.0000 0.0551	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9788 0.9046 1.0000 0.9449	100.00 100.00 100.00 100.00 100.00 100.00 100.00 97.88 88.54 88.54
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	515,364 487,424 471,698 464,708 425,097 400,256 358,687 326,001 315,508 315,508	6,839 15,726 8,675 14,799 24,273 14,099	0.0133 0.0323 0.0000 0.0187 0.0348 0.0606 0.0393 0.0000 0.0000	0.9867 0.9677 1.0000 0.9813 0.9652 0.9394 0.9607 1.0000 1.0000	83.66 82.54 79.88 79.88 78.39 75.66 71.07 68.28 68.28 68.28
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	292,730 284,743 252,866 214,206 206,027 171,272 123,574 123,225 98,764 82,087	31,877 15,168 24,504 350 38	0.0000 0.1119 0.0000 0.0000 0.0736 0.1431 0.0028 0.0000 0.0004 0.0000	1.0000 0.8881 1.0000 1.0000 0.9264 0.8569 0.9972 1.0000 0.9996	68.28 68.28 60.64 60.64 56.17 48.13 48.00 48.00

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT	BAND 1935-2017		EXPER	RIENCE BAN	D 1971-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	75,322	3,132	0.0416		47.98
40.5	54,760		0.0000	1.0000	45.98
41.5	34,547	2,407	0.0697	0.9303	45.98
42.5	19,380	1,884	0.0972	0.9028	42.78
43.5	17,496		0.0000	1.0000	38.62
44.5	17,496	76	0.0043	0.9957	38.62
45.5	17,420		0.0000	1.0000	38.46
46.5	15,874		0.0000	1.0000	38.46
47.5	2,734		0.0000	1.0000	38.46
48.5	2,734		0.0000	1.0000	38.46
49.5	2,734		0.0000	1.0000	38.46
50.5	2,734		0.0000	1.0000	38.46
51.5	2,734		0.0000	1.0000	38.46
52.5	2,734		0.0000	1.0000	38.46
53.5	2,734		0.0000	1.0000	38.46
54.5	2,734		0.0000	1.0000	38.46
55.5	2,734		0.0000	1.0000	38.46
56.5	2,734		0.0000	1.0000	38.46
57.5					38.46



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

PLACEMENT E	BAND 1959-2017		EXPER	RIENCE BAN	D 1998-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	915,978 741,865 735,582 683,030 713,967 696,110 713,405 570,305 579,836 574,774		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	574,133 545,109 269,474 299,589 327,454 344,856 376,322 382,619 332,176 357,490	12,250 60,656 30,068	0.0000 0.0000 0.0000 0.0000 0.0000 0.0326 0.1585 0.0000 0.0841	1.0000 1.0000 1.0000 1.0000 1.0000 0.9674 0.8415 1.0000 0.9159	100.00 100.00 100.00 100.00 100.00 100.00 96.74 81.41 81.41
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	351,596 357,872 362,358 373,911 385,145 366,846 325,277 294,138 297,747	6,839 15,726 8,675 14,799 24,273 14,099	0.0195 0.0439 0.0000 0.0232 0.0384 0.0662 0.0433 0.0000 0.0000	0.9805 0.9561 1.0000 0.9768 0.9616 0.9338 0.9567 1.0000 1.0000	74.56 73.11 69.90 69.90 68.28 65.65 61.31 58.65 58.65
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	277,373 271,998 240,122 201,461 193,243 160,895 115,361 115,361 96,766 82,011	31,877 15,168 24,341	0.0000 0.1172 0.0000 0.0000 0.0785 0.1513 0.0000 0.0000 0.0000	1.0000 0.8828 1.0000 1.0000 0.9215 0.8487 1.0000 1.0000	58.65 58.65 51.78 51.78 51.78 47.71 40.50 40.50 40.50



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

BAND 1959-2017		EXPE	RIENCE BAN	D 1998-2017
EXPOSURES AT	RETIREMENTS			PCT SURV
BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
75,247	3,132	0.0416	0.9584	40.50
54,684		0.0000	1.0000	38.81
34,472	2,407	0.0698	0.9302	38.81
19,304	1,884	0.0976	0.9024	36.10
17,420		0.0000	1.0000	32.58
17,420		0.0000	1.0000	32.58
17,420		0.0000	1.0000	32.58
15,874		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
2,734		0.0000	1.0000	32.58
				32.58
	EXPOSURES AT BEGINNING OF AGE INTERVAL 75,247 54,684 34,472 19,304 17,420 17,420 17,420 15,874 2,734 2,734 2,734 2,734 2,734 2,734 2,734 2,734 2,734 2,734 2,734	EXPOSURES AT BEGINNING OF AGE INTERVAL TO DURING AGE INTERVAL TO THE STATE OF THE S	EXPOSURES AT BEGINNING OF DURING AGE RETMT AGE INTERVAL INTERVAL RATIO 75,247 3,132 0.0416 54,684 0.0000 34,472 2,407 0.0698 19,304 1,884 0.0976 17,420 0.0000 17,420 0.0000 17,420 0.0000 17,420 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000 2,734 0.0000	EXPOSURES AT BEGINNING OF DURING AGE RETMT SURV AGE INTERVAL INTERVAL RATIO RATIO 75,247 3,132 0.0416 0.9584 0.0000 1.00



ORIGINAL CURVE = 1994-2017 EXPERIENCE 1992-2017 PLACEMENTS 25 20 ORIGINAL AND SMOOTH SURVIVOR CURVES AGE IN YEARS IOWA 9-S2 9 70 30-20-8 8 9 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

PACIFICORP IDAHO PROPERTY

ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1992-2017 EXPERIENCE BAND 1994-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF DURING AGE RETMT SURV BEGIN OF INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 4,579,752 0.0000 1.0000 100.00 0.5 4,312,323 0.0000 1.0000 100.00 4,310,158 1.5 0.0000 1.0000 100.00 2.5 3,710,179 0.0000 1.0000 100.00 3.5 3,134,957 104,766 0.0334 0.9666 100.00 4.5 3,030,191 242,192 0.0799 0.9201 96.66 5.5 2,655,371 345,846 0.1302 0.8698 88.93 6.5 442,564 77.35 1,442,307 0.3068 0.6932 7.5 999,743 201,150 0.2012 0.7988 53.62 798,593 8.5 237,317 0.2972 0.7028 42.83 9.5 474,180 78,225 0.1650 0.8350 30.10 10.5 74,878 0.7545 25.14 304,955 0.2455 11.5 230,077 71,697 0.3116 18.96 0.6884 12.5 158,380 0.0000 1.0000 13.05 13.5 158,380 0.0000 1.0000 13.05 14.5 158,380 0.0000 1.0000 13.05 15.5 85,664 0.0000 1.0000 13.05 16.5 85,664 0.0000 1.0000 13.05 17.5 85,664 0.0000 1.0000 13.05 18.5 85,664 0.0000 1.0000 13.05 19.5 85,664 0.0000 1.0000 13.05 20.5 13.05



ORIGINAL CURVE = 1962-2017 PLACEMENTS 20 4 AGE IN YEARS IOWA 18-L 20 9 100 8 70 30-8 9 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PACIFICORP IDAHO PROPERTY ORIGINAL AND SMOOTH SURVIVOR CURVES

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT I	BAND 1962-2017		EXPER	RIENCE BAN	D 1994-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	9,922,180		0.0000	1.0000	100.00
0.5	9,642,256		0.0000	1.0000	100.00
1.5	9,818,389		0.0000	1.0000	100.00
2.5	9,574,908		0.0000	1.0000	100.00
3.5	9,451,856	185,097	0.0196	0.9804	100.00
4.5	8,827,432	589,955	0.0668	0.9332	98.04
5.5	8,015,439	1,052,845	0.1314	0.8686	91.49
6.5	6,304,226	304,285	0.0483	0.9517	79.47
7.5	6,731,623	138,282	0.0205	0.9795	75.64
8.5	6,651,331	2,670	0.0004	0.9996	74.08
9.5	6,283,990		0.0000	1.0000	74.05
10.5	5,787,080	125,193	0.0216	0.9784	74.05
11.5	4,841,290	137,372	0.0284	0.9716	72.45
12.5	4,382,264	142,400	0.0325	0.9675	70.39
13.5	4,450,380	545,642	0.1226	0.8774	68.11
14.5	3,931,246	76,776	0.0195	0.9805	59.76
15.5	3,255,744	55,099	0.0169	0.9831	58.59
16.5	3,109,358	506,225	0.1628	0.8372	57.60
17.5	2,227,660		0.0000	1.0000	48.22
18.5	2,110,818	411,677	0.1950	0.8050	48.22
19.5	1,488,233	25,670	0.0172	0.9828	38.82
20.5	1,522,045	175,586	0.1154	0.8846	38.15
21.5	1,346,458	425,837	0.3163	0.6837	33.75
22.5	920,621		0.0000	1.0000	23.07
23.5	828,834	52,920	0.0638	0.9362	23.07
24.5	531,596	48,751	0.0917	0.9083	21.60
25.5	482,845	42,688	0.0884	0.9116	19.62
26.5	363,095		0.0000	1.0000	17.88
27.5	363,095		0.0000	1.0000	17.88
28.5	363,095		0.0000	1.0000	17.88
29.5	363,095	54,402	0.1498	0.8502	17.88
30.5	164,748		0.0000	1.0000	15.21
31.5	131,174		0.0000	1.0000	15.21
32.5	85,990		0.0000	1.0000	15.21
33.5	85,990		0.0000	1.0000	15.21
34.5	85,990		0.0000	1.0000	15.21
35.5	85,990		0.0000	1.0000	15.21
36.5	85,990		0.0000	1.0000	15.21
37.5	85,990		0.0000	1.0000	15.21
38.5	59,481	25,075	0.4216	0.5784	15.21

PACIFICORP IDAHO PROPERTY

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT	BAND 1962-2017		EXPER	RIENCE BAN	D 1994-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	34,407		0.0000	1.0000	8.80
40.5	34,407		0.0000	1.0000	8.80
41.5	34,407		0.0000	1.0000	8.80
42.5	34,407		0.0000	1.0000	8.80
43.5	34,407		0.0000	1.0000	8.80
44.5					8.80



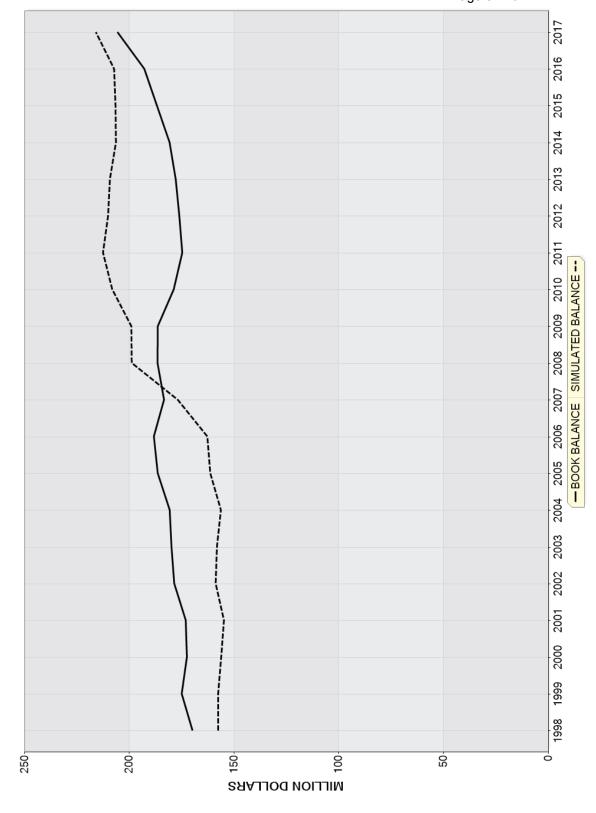
METERS



Exhibit JJS-3 Page 542 of 1422

PACIFICORP ACCOUNT 370 METERS

COMPARISON OF BOOK BALANCES WITH BALANCES SIMULATED BY SURVIVOR CURVE... 20-S3



PACIFICORP

ACCOUNT 370 METERS

SIMULATED PLANT BALANCES BASED ON SURVIVOR CURVE... 20-S3

	BOOK	SIMULATED		
YEAR	BALANCE	BALANCE	DIFFERE	INCE
1998	169,942,604	157,714,687	12,2	27,917
1999	175,095,926	157,708,190	17,3	87,736
2000	172,623,652	156,248,065	16,3	75,587
2001	173,178,124	154,939,577	18,2	38,547
2002	178,673,045	158,900,504	19,7	72,540
2003	179,984,911	158,288,166	21,6	96,745
2004	180,835,696	156,392,433	24,4	43,263
2005	186,549,850	161,472,557	25,0	77,292
2006	188,396,780	162,869,930	25,5	26,850
2007	183,534,704	177,035,371	6,4	99,333
2008	186,653,236	198,966,718	12,3	13,482-
2009	186,520,125	199,149,647	12,6	29,522-
2010	178,907,679	208,263,562	29,3	55,883-
2011	174,833,351	212,675,550	37,8	42,199-
2012	176,243,234	210,257,583	34,0	14,349-
2013	177,965,016	209,377,676	31,4	12,660-
2014	180,902,129	206,497,934	25,5	95,806-
2015	186,936,755	206,711,490	19,7	74,735-
2016	192,964,294	207,381,028	14,4	16,734-
2017	205,790,437	216,098,937	10,3	08,501-
			RETIRE	EMENTS
AVERAGE BOO	K RESIDUAL	CONFORM	EXPER	
BALANCE	MEASURE	INDEX	BEG	END
181,826,5	77 22,297,441	8.2	100.0	100.0



ARIZONA, COLORADO AND MONTANA PROPERTY



ORIGINAL CURVE = 1910-2017 EXPERIENCE 100 8 ORIGINAL AND SMOOTH SURVIVOR CURVES **I**фWA 45-R2 AGE IN YEARS 4 20 70 30-8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ARIZONA, COLORADO AND MONTANA PROPERTY ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PACIFICORP

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

PLACEMENT	BAND 1910-2013		EXPER	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	481,361 481,286 471,853 471,975 471,122 463,889 467,248 466,959 457,855 456,577	75 105 853 514 716 545 9,104 1,378 1,841	0.0002 0.0000 0.0002 0.0018 0.0011 0.0015 0.0012 0.0195 0.0030 0.0040	0.9998 1.0000 0.9998 0.9982 0.9989 0.9985 0.9988 0.9805 0.9970	100.00 99.98 99.98 99.96 99.78 99.67 99.52 99.40 97.46
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	457,654 454,715 448,088 423,970 418,137 418,176 416,563 418,734 405,701 406,722	3,057 2,436 25,472 6,024 270 919 1,115 13,331 319 227	0.0067 0.0054 0.0568 0.0142 0.0006 0.0022 0.0027 0.0318 0.0008 0.0006	0.9933 0.9946 0.9432 0.9858 0.9994 0.9978 0.9973 0.9682 0.9992 0.9994	96.78 96.13 95.62 90.18 88.90 88.84 88.65 88.41 85.60 85.53
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	406,495 405,916 405,585 399,646 253,278 255,997 264,907 279,798 257,954 242,988	579 331 918 4,937 289 78 3,514 3,981	0.0014 0.0008 0.0023 0.0124 0.0011 0.0003 0.0000 0.0126 0.0154 0.0000	0.9986 0.9992 0.9977 0.9876 0.9989 0.9997 1.0000 0.9874 0.9846 1.0000	85.48 85.36 85.29 85.10 84.05 83.95 83.92 83.92 82.87 81.59
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	234,968 234,772 234,718 234,484 205,420 203,572 49,391 49,351 48,621 44,806	196 54 234 253 1,848 868 40 730 3,816 61	0.0008 0.0002 0.0010 0.0011 0.0090 0.0043 0.0008 0.0148 0.0785 0.0014	0.9992 0.9998 0.9990 0.9989 0.9910 0.9957 0.9992 0.9852 0.9215 0.9986	81.59 81.52 81.50 81.42 81.34 80.60 80.26 80.20 79.01 72.81

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT 1	BAND 1910-2013		EXPER	RIENCE BAN	D 1937-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5	44,745 44,474 42,836 42,661 41,744 41,234 41,199 25,557 23,601	270 1,639 175 917 510 35 1,956 2,892	0.0060 0.0368 0.0041 0.0215 0.0122 0.0008 0.0000 0.0765 0.1226	0.9992 1.0000 0.9235 0.8774	
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	20,709 18,798 9,427 9,384 9,229 9,229 9,229 9,229 9,229 8,229 8,229 6,729	1,911 9,371 43 155 1,000 1,500	0.0923 0.4985 0.0045 0.0165 0.0000 0.0000 0.0000 0.1084 0.1823 0.0000	0.5015 0.9955 0.9835 1.0000 1.0000	54.25 49.24 24.69 24.58 24.18 24.18 24.18 24.18 24.18 21.56 17.63
59.5 60.5 61.5 62.5 63.5 64.5	6,729 6,729 6,729 6,729 6,729 4,004	2,725 4,004	0.0000 0.0000 0.0000 0.0000 0.4050 1.0000	1.0000 1.0000 1.0000 1.0000 0.5950	17.63 17.63 17.63 17.63 17.63 10.49



65.5

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ORIGINAL CURVE = 1951-2017 PLACEMENTS 1988-2017 EXPERIENCE 1965-2017 PLACEMENTS 20 ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS ARIZONA, COLORADO AND MONTANA PROPERTY 4 ORIGINAL AND SMOOTH SURVIVOR CURVES IOWA 17-R2.5 AGE IN YEARS PACIFICORP 20 9 1001 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT	BAND 1951-2017		EXPE	RIENCE BAN	D 1970-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	1,201,459		0.0000	1.0000	100.00
0.5	1,155,119		0.0000	1.0000	100.00
1.5	1,136,935		0.0000	1.0000	100.00
2.5	1,081,230		0.0000	1.0000	100.00
3.5	1,016,052	1,061	0.0010	0.9990	100.00
4.5	985,525	19,574	0.0199	0.9801	99.90
5.5	891,076	3,351	0.0038	0.9962	97.91
6.5	846,634	56,787	0.0671	0.9329	97.54
7.5	781,877	11,604	0.0148	0.9852	91.00
8.5	760,390	36,954	0.0486	0.9514	89.65
9.5	633,704	9,998	0.0158	0.9842	85.29
10.5	554,654	20,818	0.0375	0.9625	83.95
11.5	482,256	9,912	0.0206	0.9794	80.80
12.5	467,823	13,595	0.0291	0.9709	79.14
13.5	454,903	4,288	0.0094	0.9906	76.84
14.5	414,904	59,672	0.1438	0.8562	76.11
15.5	342,148	26,812	0.0784	0.9216	65.17
16.5	315,350	29,755	0.0944	0.9056	60.06
17.5	274,930	5,058	0.0184	0.9816	54.39
18.5	184,360	13,072	0.0709	0.9291	53.39
19.5	171,288	7,164	0.0418	0.9582	49.61
20.5	160,362	3,810	0.0238	0.9762	47.53
21.5	154,214	3,598	0.0233	0.9767	46.40
22.5	150,616	421	0.0028	0.9972	45.32
23.5	150,195	11,172	0.0744	0.9256	45.19
24.5	127,074	1,433	0.0113	0.9887	41.83
25.5	110,394	5,746	0.0521	0.9479	41.36
26.5	97,215		0.0000	1.0000	39.21
27.5	90,639	3,703	0.0409	0.9591	39.21
28.5	80,951	2,820	0.0348	0.9652	37.60
29.5	71,986		0.0000	1.0000	36.29
30.5	71,986		0.0000	1.0000	36.29
31.5	41,141		0.0000	1.0000	36.29
32.5	24,958		0.0000	1.0000	36.29
33.5	16,778		0.0000	1.0000	36.29
34.5	11,318		0.0000	1.0000	36.29
35.5	3,690		0.0000	1.0000	36.29
36.5					36.29

ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

PLACEMENT	BAND 1965-2017		EXPER	RIENCE BAN	D 1988-201
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	956,485 957,190 979,296 952,715 900,610 877,063 801,882 772,946 751,099 736,161	1,061 9,726 3,351 29,496 11,422 36,954	0.0000 0.0000 0.0000 0.0000 0.0012 0.0111 0.0042 0.0382 0.0152 0.0502	1.0000 1.0000 1.0000 1.0000 0.9988 0.9889 0.9958 0.9618 0.9848	100.00 100.00 100.00 100.00 100.00 99.88 98.77 98.36 94.61 93.17
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	613,741 534,588 464,630 444,404 442,688 404,605 332,031 304,657 271,391 170,528	9,998 18,378 9,912 7,887 3,997 59,488 26,812 22,601 5,058 13,072	0.0163 0.0344 0.0213 0.0177 0.0090 0.1470 0.0808 0.0742 0.0186 0.0767	0.9837 0.9656 0.9787 0.9823 0.9910 0.8530 0.9192 0.9258 0.9814 0.9233	88.49 87.05 84.06 82.27 80.81 80.08 68.30 62.79 58.13 57.05
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	157,456 146,613 140,851 140,323 139,902 123,643 106,963 97,215 90,639 80,951	7,080 3,425 3,598 421 4,310 1,433 2,316 3,703 2,820	0.0450 0.0234 0.0255 0.0030 0.0308 0.0116 0.0217 0.0000 0.0409 0.0348	0.9550 0.9766 0.9745 0.9970 0.9692 0.9884 0.9783 1.0000 0.9591 0.9652	52.67 50.30 49.13 47.87 47.73 46.26 45.72 44.73 44.73 42.91
29.5 30.5 31.5 32.5 33.5 34.5 35.5	71,986 71,986 41,141 24,958 16,778 11,318 3,690		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	41.41 41.41 41.41 41.41 41.41 41.41 41.41

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ORIGINAL CURVE ■ 1973-2015 PLACEMENTS 1988-2017 EXPERIENCE 1973-2015 PLACEMENTS 20 ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS ARIZONA, COLORADO AND MONTANA PROPERTY 4 ORIGINAL AND SMOOTH SURVIVOR CURVES IOWA 19-R2 AGE IN YEARS PACIFICORP 20 9 100 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

PLACEMENT	BAND 1973-2015		EXPE	RIENCE BAN	D 1996-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5	AGE INTERVAL 288,574 288,574 292,205 288,132 288,132 293,194 256,174 296,215 245,494 322,653 312,488 316,825 312,647 311,314 273,195 287,362 263,339 249,022 209,821	2,086 37,020 3,631 11,472 8,947 816 45,064 18,128 4,888 1,993 2,059	RATIO 0.0000 0.0000 0.0000 0.0000 0.0072 0.1263 0.0142 0.0000 0.0467 0.0000 0.0286 0.0000 0.0286 0.0000 0.0286 0.0000 0.01448 0.0000 0.0631 0.0186 0.0080 0.0098	RATIO 1.0000 1.0000 1.0000 1.0000 0.9928 0.8737 0.9858 1.0000 0.9533 1.0000 0.9714 1.0000 0.9714 1.0000 0.9974 0.8552 1.0000 0.9369 0.9814 0.9920 0.9902	100.00 100.00 100.00 100.00 100.00 99.28 86.74 85.51 85.51 81.52 81.52 79.18 79.18 79.18 78.98 67.54 67.54 63.28 62.11 61.61
18.5 19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5 29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	217,649 205,067 180,438 129,516 105,189 91,237 72,575 72,575 32,732 32,732 17,146 14,676 1,977 1,977 1,977 1,977 1,977 1,977 1,977 1,977 1,977 1,977 1,977	12,582 28,487 50,922 24,995 13,952 8,179	0.0578 0.1389 0.2822 0.1930 0.1326 0.0896 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.9422 0.8611 0.7178 0.8070 0.8674 0.9104 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	61.01 57.48 49.49 35.53 28.67 24.87 22.64 22.64 22.64 22.64 18.29 18.29 18.29 18.29 18.29 18.29 18.29 18.29 18.29
39.5					18.29

ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

PLACEMENT 1	BAND 1973-2015		EXPE	RIENCE BAN	ID 1988-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5	AGE INTERVAL 431,347 519,977 519,977 505,148 505,964 444,870 414,795 425,331 397,088 385,617 378,983 379,923 374,929 377,454 332,390 333,058 281,283 266,966 224,234 222,175	2,086 37,020 3,631 11,472 8,947 816 45,064 18,128 4,888 1,993 2,059 12,582	RATIO 0.0000 0.0000 0.0000 0.0000 0.0041 0.0832 0.0088 0.0000 0.0289 0.0000 0.0236 0.0000 0.0236 0.0000 0.0222 0.1194 0.0000 0.0544 0.0174 0.0075 0.0092 0.0566	RATIO 1.0000 1.0000 1.0000 0.9959 0.9168 0.9912 1.0000 0.9711 1.0000 0.9764 1.0000 0.9978 0.8806 1.0000 0.9456 0.9826 0.9925 0.9908 0.9434	INTERVAL 100.00 100.00 100.00 100.00 99.59 91.30 90.50 87.89 87.89 87.89 85.81 85.81 85.63 75.40 75.40 71.30 70.06 69.54 68.90
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5 29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	209,593 181,106 130,184 105,189 91,237 72,575 72,575 32,732 32,732 17,146 14,676 1,977 1,977 1,977 1,977 1,977 1,977 1,977 1,977 1,977 1,977	28,487 50,922 24,995 13,952 8,179	0.1359 0.2812 0.1920 0.1326 0.0896 0.0000 0.0000 0.1920 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.8641 0.7188 0.8080 0.8674 0.9104 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	65.00 56.16 40.37 32.62 28.29 25.76 25.76 25.76 20.81 20.81 20.81 20.81 20.81 20.81 20.81 20.81 20.81 20.81 20.81 20.81

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ORIGINAL CURVE = 1979-2007 EXPERIENCE 1979-2008 PLACEMENTS 20 ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS ARIZONA, COLORADO AND MONTANA PROPERTY 40 ORIGINAL AND SMOOTH SURVIVOR CURVES OWA 25-S1.5 AGE IN YEARS PACIFICORP 20 9 1001 70 30-8 8 09 20 20 РЕКСЕИТ ЅИВУІУІИĠ



ACCOUNT 392.09 TRANSPORTATION EOUIPMENT - TRAILERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1979-2008 EXPERIENCE BAND 1979-2017 AGE AT EXPOSURES AT RETIREMENTS PCT SURV BEGIN OF BEGINNING OF RETMT BEGIN OF DURING AGE SURV INTERVAL AGE INTERVAL INTERVAL RATIO RATIO INTERVAL 0.0 53,507 0.0000 1.0000 100.00 0.5 53,507 0.0000 1.0000 100.00 1.5 53,507 0.0000 1.0000 100.00 2.5 53,507 0.0000 1.0000 100.00 3.5 53,507 0.0000 1.0000 100.00 4.5 53,507 0.0000 1.0000 100.00 5.5 53,507 0.0000 1.0000 100.00 6.5 53,507 0.0000 1.0000 100.00 7.5 53,507 0.0000 1.0000 100.00 53,507 8.5 0.0000 1.0000 100.00 9.5 51,924 0.0000 1.0000 100.00 10.5 0.0000 51,924 1.0000 100.00 11.5 51,924 0.0000 1.0000 100.00 12.5 51,924 0.0000 1.0000 100.00 13.5 51,924 0.0000 1.0000 100.00 14.5 51,924 0.0000 1.0000 100.00 15.5 51,924 0.0000 1.0000 100.00 16.5 51,924 0.0000 1.0000 100.00 17.5 51,924 0.0000 1.0000 100.00 18.5 51,924 0.0000 1.0000 100.00 19.5 51,924 0.0000 1.0000 100.00 51,924 20.5 30,240 0.5824 0.4176 100.00 21.5 21,684 0.0000 1.0000 41.76 22.5 21,684 0.0000 1.0000 41.76 23.5 21,684 540 0.0249 0.9751 41.76 24.5 21,144 0.0000 1.0000 40.72 21,144 25.5 0.0000 1.0000 40.72 40.72 26.5 21,144 0.0000 1.0000 27.5 14,167 6,030 0.4256 0.5744 40.72 28.5 8,137 8,137 1.0000 23.39



29.5

ORIGINAL CURVE ■ 1973-2015 PLACEMENTS ▲ 1988-2017 EXPERIENCE 1973-2015 PLACEMENTS 20 40 ORIGINAL AND SMOOTH SURVIVOR CURVES OWA 25-R2.5 AGE IN YEARS 20 9 8 8 9 09 20 30 20 РЕКСЕИТ ЅИВУІУІИĠ



ARIZONA, COLORADO AND MONTANA PROPERTY ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

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ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT H	BAND 1973-2015		EXPER	RIENCE BAN	D 1996-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	1,960,550		0.0000	1.0000	100.00
0.5	1,960,550		0.0000	1.0000	100.00
1.5	1,972,851		0.0000	1.0000	100.00
2.5	2,059,290		0.0000	1.0000	100.00
3.5	2,040,455	28,129	0.0138	0.9862	100.00
4.5	1,743,873		0.0000	1.0000	98.62
5.5	1,771,590		0.0000	1.0000	98.62
6.5	1,764,894	45 107	0.0000	1.0000	98.62
7.5	1,757,785	45,187	0.0257	0.9743	98.62
8.5	1,890,153		0.0000	1.0000	96.09
9.5	1,547,141	3,843	0.0025	0.9975	96.09
10.5	1,634,476		0.0000	1.0000	95.85
11.5	1,650,163	154,709	0.0938	0.9062	95.85
12.5	1,438,813		0.0000	1.0000	86.86
13.5	1,596,110	79,640	0.0499	0.9501	86.86
14.5	1,658,503	7,239	0.0044	0.9956	82.53
15.5	1,752,586	22,084	0.0126	0.9874	82.17
16.5	1,476,097	21,711	0.0147	0.9853	81.13
17.5	1,398,066	2,011	0.0014	0.9986	79.94
18.5	1,376,584	146,932	0.1067	0.8933	79.82
19.5	1,235,066	47,838	0.0387	0.9613	71.30
20.5	1,187,227	67,511	0.0569	0.9431	68.54
21.5	1,119,717	117,684	0.1051	0.8949	64.64
22.5	1,010,768	51,056	0.0505	0.9495	57.85
23.5	949,422	46,051	0.0485	0.9515	54.93
24.5	846,711	61,323	0.0724	0.9276	52.26
25.5	785,388	82,385	0.1049	0.8951	48.48
26.5	680,585	110,539	0.1624	0.8376	43.39
27.5	565,795	5,043	0.0089	0.9911	36.35
28.5	560,752	7,736	0.0138	0.9862	36.02
29.5	553,016		0.0000	1.0000	35.52
30.5	415,854		0.0000	1.0000	35.52
31.5	342,248	5,414	0.0158	0.9842	35.52
32.5	306,464	12,033	0.0393	0.9607	34.96
33.5	286,624		0.0000	1.0000	33.59
34.5	286,624		0.0000	1.0000	33.59
35.5	202,719		0.0000	1.0000	33.59
36.5	120,541		0.0000	1.0000	33.59
37.5	104,078		0.0000	1.0000	33.59
38.5	104,078		0.0000	1.0000	33.59

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT	BAND 1973-2015		EXPER	RIENCE BAN	D 1996-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5 40.5 41.5 42.5 43.5 44.5	999 999 999 999		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000	33.59 33.59 33.59 33.59 33.59



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

PLACEMENT H	BAND 1973-2015		EXPE	RIENCE BAN	D 1988-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
	1102 111111111		1411110	141110	
0.0	2,258,500		0.0000	1.0000	100.00
0.5	2,489,177		0.0000	1.0000	100.00
1.5	2,564,994		0.0000	1.0000	100.00
2.5	2,630,454		0.0000	1.0000	100.00
3.5	2,700,262	28,129	0.0104	0.9896	100.00
4.5	2,456,145		0.0000	1.0000	98.96
5.5	2,608,607		0.0000	1.0000	98.96
6.5	2,700,324		0.0000	1.0000	98.96
7.5	2,781,370	45,187	0.0162	0.9838	98.96
8.5	2,767,745		0.0000	1.0000	97.35
9.5	2,484,321	3,843	0.0015	0.9985	97.35
10.5	2,458,202	0,010	0.0000	1.0000	97.20
11.5	2,390,660	154,709	0.0647	0.9353	97.20
12.5	2,104,427		0.0000	1.0000	90.91
13.5	2,104,427	79,640	0.0378	0.9622	90.91
14.5	2,025,660	7,239	0.0036	0.9964	87.47
15.5	1,986,824	22,084	0.0111	0.9889	87.16
16.5	1,625,651	21,711	0.0134	0.9866	86.19
17.5	1,412,215	2,011	0.0014	0.9986	85.04
18.5	1,390,733	146,932	0.1057	0.8943	84.92
19.5	1,243,801	47,838	0.0385	0.9615	75.94
20.5	1,195,962	67,511	0.0564	0.9436	73.02
21.5	1,128,452	117,684	0.1043	0.8957	68.90
22.5	1,010,768	51,056	0.0505	0.9495	61.72
23.5	949,422	46,051	0.0485	0.9515	58.60
24.5	846,711	61,323	0.0724	0.9276	55.76
25.5	785,388	82,385	0.1049	0.8951	51.72
26.5	680,585	110,539	0.1624	0.8376	46.29
27.5	565,795	5,043	0.0089	0.9911	38.77
28.5	560,752	7,736	0.0138	0.9862	38.43
29.5	553,016		0.0000	1.0000	37.90
30.5	415,854		0.0000	1.0000	37.90
31.5	342,248	5,414	0.0158	0.9842	37.90
32.5	306,464	12,033	0.0393	0.9607	37.30
33.5	286,624		0.0000	1.0000	35.83
34.5	286,624		0.0000	1.0000	35.83
35.5	202,719		0.0000	1.0000	35.83
36.5	120,541		0.0000	1.0000	35.83
37.5	104,078		0.0000	1.0000	35.83
38.5	104,078		0.0000	1.0000	35.83



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT	BAND 1973-2015		EXPER	RIENCE BAN	D 1988-2017
AGE AT BEGIN OF	EXPOSURES AT BEGINNING OF	RETIREMENTS DURING AGE	RETMT	SURV	PCT SURV BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
39.5	999		0.0000	1.0000	35.83
40.5	999		0.0000	1.0000	35.83
41.5	999		0.0000	1.0000	35.83
42.5	999		0.0000	1.0000	35.83
43.5	999		0.0000	1.0000	35.83
44.5					35.83



PART VIII. NET SALVAGE STATISTICS



UTAM, PROMING AND IDAMO
CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017

ESTIMATED TOTAL NET SALVAGE	ENTS	(12) (13)			65,288 661 (4) 339,829,242 (5) 67,850,168 (5) 68 8691,644 (4) 68 8691,644 (4) 69,4398	545,534,114		62.889.070 (7) 122.349.078 (7) 39.185.418 (7) 9.98.409 (6) 443.061 (6)	1		11,683,418 (2) 32,694,810 (3) 12,879,386 (2) 7,023,805 (2) 222,778 (2) 64,514,178 (2)	11 688, 309 (2) 73,776, 160 (2) 73,061, 042 (2) 7,382, 180 (2) 105,907, 690 (2)	14,986,739 (2) 28,366,297 (3) 3,556,803 (3) 3,016,751 (2) 897,517 (2)
TOTAL NET SALVAGE	(s)	(11)			2,909,613 16,988,808 3,416,898 2,985,944 2,985,944	26,469,395		4, 175,492 9,083,531 2,773,950 600,864	16,599,466		210,640 830,499 270,114 113,823 4,104	230,034 1,538,930 284,193 126,711 2,179,867	268,798 744,533 104,921 49,920 16,749 1,174,922
TS NET SALVAGE	(\$)	(10)			373.084 4,403,765 1,003,793 331,925 28,829	6,141,395		567,857 2,622,743 654,318 6,405 6,405	3,914,466		99,180 555,261 155,509 47,056 2,014 837,019	118,977 855,392 166,452 57,111 1,197,932	115,176 489,726 75,057 21,297 8,760 710,017
INTERIM RETIREMENTS NET SALVAGE	(%)	(6)			(30) (20) (20) (5)			(30) (20) (5)	Ĉ.		(30) (20) (15) (20) (5)	(30) (20) (15) (20)	(30) (20) (15) (20) (5)
INTER RETIREMENTS I	(\$)	(8)			1,243,613 22,018,825 6,691,954 1,659,624 776,572	32,190,588		1,892,858 13,113,714 4,362,122 332,025 62 846	19,763,566		330,600 2,676,304 1,023,391 235,281 40,279 4,305,854	396,591 4,276,959 1,109,683 285,554 6,066,787	383,921 2,448,632 500,383 106,485 175,204 3,614,625
NET SALVAGE	(%)	6			4444	4)		0000	2		2222 <i>2</i>	39993	55555
NET SALVAGE	- 1	(9)			2,536,530 12,585,043 2,413,105 2,654,019 139,303	20,328,000		3,607,635 6,460,788 2,059,632 534,459	12,685,000		111,460 295,238 116,606 66,766 6,766 2,090	111,056 683,538 117,741 69,600 981,935	143,622 254,807 29,884 28,623 7,989 464,905
MENTS	\$ / KW	(2)			Į.	51.46			85.71		Į.		!!
TERMINAL RETIREMENTS MW	(PACIFICORP SHARE)	(4)				395			148				
	MW	(3)			17 7 7 8 20 0 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	9 93		23 86 24 72	0 0		18 77 24 24 24	18 25 26 26	200 200 31
RETIREMENTS	(\$)	(2)			64,055,048 317,810,477 60,938,275 67,022,020	513,343,526		60,996,212 109,236,004 34,823,286 9,036,383	214,472,100		11,332,818 30,018,607 11,855,976 6,788,524 212,429 60,208,324	11,291,718 69,499,201 11,907,389 7,076,699	14,602,817 25,907,666 3,008,420 2,910,268 812,313 47,289,481
	ACCOUNT	(1)	STEAM PRODUCTION PLANT	CHOLLA GENERATING STATION	CHOLIA, WITT 4 31.10 STRUCTURES AND MPROVEMENTS 31.20 SOLIER PLAYT EQUIPMENT 314.00 THEORGENERATOR WINTS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT	10 IAL CHOLLA GENERATING STATION	COLSTRIP GENERATING STATION	OOLSTRIP GENERATING STATION 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRO EQUIPMENT	TOTAL COLSTRIP GENERATING STATION	CRAIG GENERATING STATION	CRACOL MITT STATE OF THE STATE	CRAIG UNITZ 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR NUITS 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL CRAIG UNITZ	CRAIG COMMON 31100 STRUCTURES NO IMPROVEMENTS 31200 BOLLER PLANT EQUIPMENT 31400 UTBROCHERATOR VINTS 31400 TORROCHERATOR ELECTRIC EQUIPMENT 31500 MOSCELLANEOUS OWNER PLANT ELECTRIC TOTAL CRAIG COMMON



PAUFICORY UTAH, WYOMING AND IDAHO CALCHI ATION DE WEIGHTED NET SALVAGE DEPOENT END CERIEDATION DI ANT AS OF DECEMBED 94, 2047

ESTIMATED	NET SALVAGE	(13)		© 4 4 4 © 4	© 4 4 4	© 4 4 © © &	6 4 6 6 6	\$\overline{4}\overline{4}\overline{6}\over		(15) (14) (10)	(15)	(16) (15) (14) (15) (10) (15)	(15) (15) (14) (14) (10)
	TOTAL	(12)		1,009,704 53,900,430 11,519,074 2,822,890 69,264,772	566,771 57,165,778 15,679,467 3,491,874 76,903,889	18,967,793 225,762,796 21,486,724 14,788,457 240,204 281,245,974	15,159,815 230,895,488 41,342,090 14,05,447 599,327 302,402,168	124,033,278 128,855,246 9,678,357 27,630,146 7,701,233 297,898,260	1,027,715,062	1,231,253 10,281,868 5,485,094 1,394,622 21,262	18,414,099	1,105,144 13,771,033 6,389,162 1,406,724 12,703 22,064,765	1,204,200 13,813,701 7,807,744 2,512,536 46,931 25,185,111
TOTAL	NET SALVAGE (\$)	(11)		31,092 2,324,034 516,990 111,301 2,983,499	17,713 2,489,751 687,944 125,092 3,270,501	583,343 8,336,591 947,101 457,001 7,361 10,531,488	460,377 8,715,398 1,692,185 450,634 18,293 11,336,887	3, 991,414 5, 007,843 355,622 804,487 231,966 10,391,322	38,513,696	189 824 1,548,965 786,987 206,966	2, 734, 879	171,449 2,079,039 913,259 210,259 210,259 1,270 3,375,595	184,319 2,086,057 1,086,730 364,737 3,726,005
	NET	(10)		4,105 988,945 250,050 39,958 1,293,078	2,591 1,030,457 321,116 35,266 1,389,420	76,307 2,788,755 445,371 65,239 1,863 3,387,535	54,552 2,84,720 698,135 697,75 4,485 3,677,667	693,383 1754,184 113,977 64,607 50,845 2,676,996	12,418,696	34,341 386,603 324,747 42,191 473	788,354	32,814 522,377 389,126 48,468 279 983,065	31,096 535,922 383,472 47,195 999 999,684
INTERIM RETIREMENTS	IET SALVAGE	(6)		(30) (20) (15) (20) (5)	(30) (20) (15) (20)	(30) (20) (15) (20) (5)	(30) (20) (20) (5)	(30) (20) (20) (5)		(30) (20) (5) (5)		(30) (20) (20) (20)	(30) (20) (15) (20) (5)
	ENTS	(8)		13,682 4,994,724 1,696,998 1,99,789 6,875,621	8 636 5,152,285 2,140,775 176,282 7,477,978	254,356 113,993,777 2,969,140 326,196 37,250 17,580,719	181,840 14,223,601 4,654,234 348,873 89,706 19,498,254	2,311,275 8,770,920 759,848 323,033 1,016,909 13,181,985	64,614,557	114,469 1,933,013 2,164,978 210,954 9,496	4,432,870	109,381 2,661,887 2,460,839 242,338 5,589 5,480,034	103,655 2,679,611 2,556,477 2,83974 19,981 5,595,698
	NET SALVAGE	(2)		ଉତିପିପିପି	ଉତ୍ତିତ୍ର	ତିତିତିତିତି	ତିତିତିତିତି	ତିତିତିତିତି		£ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £	(14)	(4 + (4 + (4 + (4 + (4 + (4 + (4 + (4 +	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)
	VAGE	(9)		26,987 1,325,090 266,940 71,343 1,690,421	15,123 1,409,294 366,828 89,835 1,881,080	507,037 5,737,836 501,730 301,852 5,499 7,143,953	405,825 5,870,678 994,050 380,860 13,808 7,665,220	3,298,031 3,25,659 241,645 7739,880 181,110 7,714,326	26,095,000	155.483 1,162.363 462.241 164.795 1,694	1,946,526	138.634 1,546.862 544,133 162,111 990 2,392,537	153,222 1,550,135 703,259 316,953 3,752 2,727,321
EMENTS	S / KW	(2)							34.25				
TERMINAL RETIREMENTS	MW (PACIFICORP SHARE)	(4)							762				
	WM	(3)		,022 ,706 ,076 ,101 ,245	35 94 91	37 119 885 661 555	76 88 556 774 174	203 009 774	05	85 55 67 66 06	53	,762 ,146 ,322 ,386 ,1114	445 667 50 1/3
	RETIREMENTS (S)	(2)		996 022 48,905,706 9,882,076 2,683,101 62,389,151	558,135 52,013,494 13,538,691 3,315,591 69,425,911	18,713,437 211,779,019 18,517,588 14,442,261 202,992 263,665,255	14,977,976 2.16,877,888 36,887,886 14,056,574 269,857 282,903,914	121,722,003 120,084,326 8,918,509 27,307,712 6,884,324 284,716,274	963,100,505	1,116,785 8,338,185 3,320,116 1,183,687 11,806	13,981,229	995,762 11,109,146 3,908,326 3,908,326 1,164,386 7,114 17,784,731	1,100,545 11,134,090 5,051,287 5,051,287 2,276,562 2,276,562 19,589,4139
	ACCOUNT	(1)	DAVE JOHNSTON GENERATING STATION	DAVE_LOHNSTOULHERANDINFROT 311.00 STRUCTORIES AND IMPROVEMENTS 312.00 BOULDER PLANS TORI PINANT 314.00 TORSOGNERATORI PINANT 314.00 ACCESSORY ELECTRIC FOLIONIES IN SECELLARIOUS FOR SERVICE SOUR SECONDINES IN TOTAL DAVE, DAVE, DAVE, DAVE CONNETT IN TOTAL DAVE, DAVE	DAVE_JOHNSTON UNITZ 31.00 STRUCTUFERS AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR ELECTRIC EQUIPMENT 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL DAVE JOHNSTON UNITZ	DAVE_JOHNSTON UNIT? 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT GOUNHENT 314.00 THREOGRIBANCH VINIS 318.00 ACCESSORE EIECTRIC EDUINMENT 319.00 MISCELLARICOUS POWER PLANT GOUNHENT 319.00 MISCELLARICOUS CHECKET	DAVE_JOHNSTON.UNIT4 311.00 STRUCTURES AND IMPROVEMENTS 312.00 SOLICE PLAUM EQUIPMENT 314.00 THREOGENERATOR VINTS 316.00 AGCESCORPERCIPECTRIC EQUIPMENT 316.00 MISCELLARIOUS OFMER FLATE TO PLAUM DAVE 2.0 PHIST VINT 4	DAVE_JOHNSTON COMMON 311.00 STRECTUTIERS AND IMPROVEMENTS 312.00 BOLICE PLANT GOURHARDT 314.00 TREOGENERATOR INITIS 316.00 ACCESSOR EIECTRE CURPINENT 316.00 MISCELLARIONS OFWER FLUAT GOURHARDT 316.00 MISCELLARION COMPAND	TOTAL DAVE JOHNSTON GENERATING STATION	GADSBY GENERATING STATION GADSBY UNIT.1 311.00 STRUCTUTIES AND MEMORY ENHENTS 312.00 BOILER PLANT EDUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORVE LEERS CE QUIMENT 316.00 MISCELLANDOUS POWER PLANT EQUIPMENT	TOTAL GADSBY UNIT 1	GAGSBY UNITZ 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 THREOGENERATOR VINTS 316.00 ACCESSORE ELECTRIC EQUIPMENT 316.00 MISCELLAREOUS PRICEPTRE TEQUIPMENT 316.00 MISCELLAREOUS PURPER LIVER TO	GADSBY UNITS 311.00 STRUCTURES AND MPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TORSOCKE HEATRICE TO BOILER PLANT STRUCTURES AND STRUCTURES AND STRUCTURE STRUCTURE TO STRUCTURE AND STRUCTURES AN



FAUNDONF UTAH, WYOND IDAHO CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017

											rage 504
ESTIMATED NET SALVAGE	(13)	(15) (15) (14) (12) (15)		ପିଷିଟିଷିଟିଷ୍	ଷ୍ତିତିଷ୍ଟ	<u>ଚିତିରିତିରି</u>		3 0 3 6 6	(B)	607868	@ Q Q Q Q Q
TOTAL	(12)	11,719,240 1,410,972 475,709 3,108,417 377,083 17,091,421	83,355,396	1,130,878 46,898,077 5,115,408 1,025,966 250,077 54,410,406	1,824,740 2,870,338 4,502,908 1,331,901 2,25,059 31,754,945	14,895,848 12,552,644 251,780 206,075 164,677 28,071,023	114,236,374	23,087,747 261,606,237 65,893,473 34,023,339 802,555 365,413,337	12,463,800 166,451,600 45,811,482 16,705,866 241,432,747	55,726,199 297,167,685 64,572,092 54,654,007 1,633,586 493,753,568	9,407,855 11,880,289 3,862,988 101,813 823,902 26,076,817
TOTAL NET SALVAGE	(11)	1,735,006 208,248 67,168 438,930 44,106 2,493,458	12,329,938	25,386 1,084,071 158,379 21,714 3,529 1,293,080	36,179 556,553 121,348 23,649 3,764 743,492	143,133 362,238 5,195 4,199 607,584	2,544,156	1,826,777 21,540,231 5,282,104 2,408,471 40,036 31,097,619	966,985 13,716,819 3,654,071 1,198,797 19,536,672	4,263,256 27,198,141 6,602,047 3,862,511 81,486 42,007,443	738,812 1,032,756 324,880 6,580 6,540 41,103 2,143,800
NET 8	(10)	192,947 38,853 13,050 20,283 4,703 269,835	3,039,938	21,768 999,838 144,177 18,523 2870 1,127,177	30,286 485,241 108,425 19,427 3,214 646,593	93,270 314,703 4,435 3,556 2,422 418,386	2,192,156	812.317 11340,775 2,996.494 951,768 19,987 16,121.341	415,516 7,231,034 2,055,977 488,910 10,191,437	1,785,646 16,516,769 3,580,455 1,520,396 38,416 23,441,682	324,330 537 645 197,999 1971 20,553 1,132,499
INTERIM RETIREMENTS NET SALVAGE	(6)	(30) (20) (15) (20) (5)	Į.	(30) (20) (15) (20) (5)	(30) (20) (15) (20) (5)	(30) (20) (15) (20) (5)		(30) (20) (15) (20) (5)	(30) (20) (15) (20)	(30) (20) (15) (20) (5)	(30) (20) (15) (20) (5)
ENTS	(8)	643,155 194,265 86,998 101,414 94,063 1,119,895	16,628,497	72,561 4,699,192 961,178 92,617 5,882,952	100,952 2,426,204 722,836 97,137 64,277 3,411,407	3.10,901 1,573,517 29,567 17,779 48,434 1,980,197	11,274,556	2.707.725 56.703.873 19.976.626 4.758.840 399.750 84.546.813	1,385,054 36,155,168 13,706,515 2,444,548 53,691,285	5,952,154 82,583,844 23,869,688 7,601,978 768,328 120,776,002	1,081,101 2,938,226 1,319,993 9,887 411,057 5,766,234
NET SALVAGE	(7)	EEEEE		<u> </u>	<u> </u> 0000000	999999		- - - - - - - - - - - - - - - - - - -	(5) (5) (5) (5)	(6) (5) (6) (6) (6)	(6) (6) (9) (9) (9)
VAGE	(9)	1,542,059 169,395 54,118 418,648 39,403 2,223,623	9,290,000	3,618 144,233 14,202 3,191 659 165,903	5,893 73,312 12,923 4,221 550 96,899	49,862 37,535 760 644 397 89,198	352,000	1,014459 10,199,456 2,285,610 1,456,703 14,976,278	551,468 6,485,785 1,598,034 709,888 9,345,235	2,477,610 10,681,372 3,021,582 2,43,2,116 743,200 18,565,761	414,482 445,110 126,582 4,577 20,550 1,011,302
MENTS	(5)		39.11	l	l	11	5.4	ı	ı	ı	
TERMINAL RETIREMENTS MW MACHERODE SHADE: 6 144	(FACIFICAL SHARE)		237.5				78				
	(3)										
RETIREMENTS	(2)	11,076,085 1,216,707 388,71 3,007,003 283,020 15,971,626	66,726,899	1,088,317 42,188,885 4,144,229 193,330 1192,335 48,527,456 48,527,456	1,723,788 21,444,133 3,780,072 1,234,764 160,782 28,343,538	14,584,946 10,979,128 222,213 188,296 116,243 26,090,826	102,961,818	20.380.022 204.902.385 465.916.847 29.264.499 300.886.508	11,078,746 130,296,432 22,104,996 14,261,318 18,741,462	49,774,045 2,14,583,840 60,702,394 47,052,029 865,528 372,977,566	8,326,754 8,942,063 2,542,965 9,1,956 412,845 20,316,584
ACCOUNT	Account (1)	GAOSEY COMMON 31:00 STRUCTURES AND MPROVEMENTS 31:00 BOLER PLANT EQUIPMENT 31:00 BOLER PLANT EQUIPMENT 315:00 ACCESSORY ELECTRIC EQUIPMENT 316:00 MISCELLANEOUS POWER PLANT EQUIPMENT 316:00 MISCELLANEOUS POWER PLANT EQUIPMENT 310:00 MISCELLANEOUS POWER PLANT EQUIPMENT 310:00 MISCELLANEOUS POWER PLANT EQUIPMENT	TOTAL GADSBY GENERATING STATION	HAYDEN GENERATING STATION HAYDEN LUNT! 31.100 FRUCTHEBEAND MPROVEMENT 31.400 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRE COUPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HAYDEN TOTAL HAYDEN TOTAL TOTAL HAYDEN UNIT!	HAYDRUMYIZ 31100 STRUCTURESA TO RE OLICE HOUR REQUIRENT 314.00 TURBOCERIBATOR UNITS 315.00 ACCESSORY ELECTRE CAUMAENT 315.00 ACCESSORY ELECTRE TO PARENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TO TAL HAYDRU UNIT 2	HAYDEN COMMON 311.00 STRUCTURES AND MAPROVEMENT 314.00 THERE LEAVIT COUNTENT 314.00 THEROCERREATOR UNITS 315.00 ACCESSORY ELECTRE COUNTENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT 710 MISCELLANEOUS TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN	TOTAL HAYDEN GENERATING STATION	HUNTER GENERATING STATION HUNTER UNIT 1 31.00 STRUCTURES AND MEROVENENTS 312.00 BOULER FLANT EQUIPMENT 1 315.00 BOULER PLANT EQUIPMENT 315.00 AGCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS SOWER PLANT EQUIPMENT 316.00 MISCELLANEOUS SOWER	HUNTER UNIT 2 311.00 STRUCHURES AND MPROVEMENTS 312.00 BOULER ELANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL HUNTER UNIT 2	HUNTER LIMIT 3 311.00 STRUCTUBES AND MPROVEMENTS 312.00 BOULER PLANT EQUIPMENT 314.00 TURROCHERATOR COURTER 316.00 MACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT 317.00 MISCELLANEOUS POWER PLANT EQUIPMENT 317.00 MISCELLANEOUS POWER PLANT EQUIPMENT	HUNTER UNITS I AND 2 COMMON FACILITIES 311.00 STRUCTURES AND MENOTORENIS 312.00 BOULER LANT EQUIPMENT 315.00 BOULER LANT EQUIPMENT 316.00 MINGELECHACOUR POWER PANT EQUIPMENT 316.00 MINGELECHACOUR POWER PANT EQUIPMENT TOTAL HUNTER UNITS I AND 2 COMMON FACILITIES



ESTIMATED	NET SALVAGE (%)	(13) (8) (8) (9) (9)		@ 2 2 8 8 8	\$ \(\text{2} \text{3} \text{8} \text{8} \text{3} \text{3} \text{8}	2223		\$ (1) (2) (3) (3) (3)	Q 2 Q Q Q Q
	TOTAL RETIREMENTS	(12) 110,862,576 27,883,990 1,216,239 1,520,034 467,454 142,060,293	1,288,736,746	19,875,771 285,637,456 60,599,828 20,033,665 1,231,363 387,378,074	26,221,908 244,166,821 58,102,496 23,780,262 971,261 353,242,738	78,888,409 35,691,627 6,888,833 3,841,106 687,006 125,967,031	866,577,843	15,444,457 163,868,313 46,262,991 10,813,727 236,720,944	12,835,787 172,760,856 59,810,741 9,183,856 198,482 254,789,722
TOTAL	NET SALVAGE (\$)	(1) 8,395,515 2,421,680 101,170 94,382 23,307 11,036,064	105,821,598	1,499,659 22,009,007 4,580,297 1,399,529 66,713 29,553,335	1,870,217 19,242,555 4,559,157 1,549,236 51,730	5,688,952 2,762,319 579,223 230,203 36,815 9,297,517	66,124,346	863,015 9,837,942 2,607,603 580,597 14,326 73,903,484	787,143 11,416,403 3,554,984 5,554,984 5,554,984 5,155 16,299,861
	NET SALVAGE (\$)	(10) 3,449,435 1,375,566 60,809 18,285 4,972,640	55,799,598	500,594 8,730,853 1,978,996 413,985 11,031 11,642,958	527,924 8,054,392 2,161,741 386,752 11,096,876	1,665,989 1,107,769 319,011 26,707 9,055 3,128,612	25,868,346	210,400 3,318,728 794,075 129,826 4,456,912	256,857 4,840,327 1,287,313 161,380 3,217 6,549,075
INTERIM RETIREMENTS	NET SALVAGE (%)	(30) (20) (20) (20) (5) (5)		(30) (15) (5) (5)	(30) (20) (20) (5)	(30) (12) (20) (20)		(30) (20) (15) (20) (5)	(30) (20) (20) (5)
	RETIREMENTS N (\$)	(8) 11,498,117 6,877,828 405,391 91,475 170,708	283,817,852	1,668,645 43,654,264 13,193,304 2,066,226 380,622 60,963,761	1,759,747 40,271,690 14,41,606 1,683,762 321,334 58,448,409	5,553,297 5,538,845 2,126,741 13,337 181,110	132,946,099	701,335 16,593,639 5,293,836 649,411 76,621 23,314,742	856,192 24.201,636 8,582,083 806,800 64,350 34,511,061
	NET SALVAGE (%)	(5) (3) (3) (3) (4) (5) (6) (6) (6) (6) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a	(a) (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	(a) (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	£ £ £ £ £ £
	NET SALVAGE N (\$)	(6) 4.946.080 1.046,125 40.362 7.6087 14,771 6,123,425	50,022,000	999,065 13,278,154 2,601,301 995,874 46,682 17,911,077	1,342,293 11,188,163 2,397,416 1,212,483 35,663 16,776,018	4,022,963 1,654,550 260,212 203,421 27,760 6,168,905	40,256,000	652,614 6,519,215 1,813,528 450,715 10,500 9,446,572	530,285 6,576,076 2,267,672 370,816 5,937 9,756,786
MENTS	S / KW	(5)	43.19	'	"	1 1	44.29	"	'
TERMINAL RETIREMENTS	MW (PACIFICORP SHARE)	(4)	1158				606		
	WW	(3)							
	RETIREMENTS (\$)	(2) (2) (2) (016, 163 (2) (16, 163 (1, 162, 163 (1, 162, 163 (1, 163, 164 (1, 163, 164 (1, 163, 164 (1, 163, 164 (1, 164,	1,004,918,893	18,207,126 241,983,191 47,466,525 17,966,720 859,741 326,414,313	24,462,162 203,894,881 43,690,890 22,096,490 649,927 294,794,329	73,315,113 30,152,782 4,742,142 3,707,170 505,896 112,423,102	733,631,744	14,743,122 147,274,674 40,989,155 10,182,044 10,182,042 237,206 237,206	11,979,596 148,559,220 51,228,658 8,377,057 134,132 220,278,662
	ACCOUNT	HUNTER UNITS 1.2 MOTO COMMON FACILITIES 31.100 STRUCTURES AND MAPROVEMENTS 31.200 BOLIER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 MAGCELLANDE COUPMENT 316.00 MAGCELLANDE SOVIER PLANT ECQUIPMENT TOTAL HUNTER UNITS 1, 2 AND 3 COMMON FACILITIES	TOTAL HUNTER GENERATING STATION HUNTINGTON GENERATING STATION	HUNTNGTON LINIT 1 31.00 STRUCTURES AND MPROVEMENTS 31.20 BOLIER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 MISCELLANCEOUP SOVER PLANT EQUIPMENT 316.00 MISCELLANCEOUS SOVER PLANT EQUIPMENT TOTAL HUNTINGTON UNIT 1	HUNTINGTON UNIT 2 31.00 STRUCTHERS AND MENEX SHOUTHERS AND MENEX SHOUTHER PLANT EQUIPMENT 314.00 TURBOOGENERATION UNIT SHOW A ACCESSORY ELECTRIC EQUIPMENT 316.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL HUNTINGTON UNIT 2	HUNTINGTON COMMON 31.00 STRUCTHRES AND MEPOVEMENTS 31.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERAL/OF LUNING 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTINGTON COMMON	TOTAL HUNTINGTON GENERATING STATION JIM BRIDGER GENERATING STATION	JM BRIOGER LIMIT 1 31.100 STRUCTURES AND MPROVEMENTS 31.200 BOLIER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 MISCELLANEOUPPROVER PLANT GOUPMENT 316.00 MISCELLANEOUPPROVER PLANT GOUPMENT TOTAL JM BRIDGER UNIT 1	JII BRIDGER LINITZ 31.100 STRUCTINES AND MPROVEMENTS 31.200 BOULER FLANT EQUIPMENT 31.400 TOTREOGREPATOR OUTDINGERT 31.500 ACCESSORY ELECTRIC EQUIPMENT 31.500 MISCELLAREOUS FOUNTE PANT EQUIPMENT 31.500 MISCELLAREOUS FOUNTE



	UTAH, WYOMING AND IDAHO	CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017
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ESTIMATED	NET SALVAGE (%)	(3)	93	26699	<u> </u>			99999 9999	66666	88888	(a) (b) (b) (c) (d) (d)	
	TOTAL RETIREMENTS	(12) 12,952,714 259,370,185 44,135,027 7,764,833 192,485	324,415,243	39,910,921 292,327,992 45,562,255 16,795,185 1,248,550 395,844,903	66,639,318 88,882,141 8,987,586 16,589,283 2,945,261 183,443,569	1,395,214,381		21,183,661 153,575,974 20,697,020 20,963,379 95,889 216,515,924	29,362,133 182,428,075 24,029,374 30,169,717 388,872 266,378,171	14,217,012 146,425,465 39,070,894 11,439,684 206,305 211,359,359	60,663,427 36,243,210 1,289,219 3,594,796 1,640,332 103,440,984	797,694,438
TOTAL	NET SALVAGE (\$)	(11) 879.100 18,005,992 3,102.521 490,831 8,985	22,487,428	2,672,197 20,464,110 30,464,110 3,276,056 1,048,067 58,255 27,518,685	4,136,698 6,613,377 618,346 982,410 134,921 12,485,752	92,695,211		1,853,738 14,019,284 1,919,285 1,783,884 1,783,884 19,583,097	2, 525,912 16, 147,386 2, 194,108 2, 556,479 28,526 24,052,39.1	1, 182,621 12,235,864 3,2939 948,473 16,824 17,633,721	5,365,736 3,444,052 117,206 306,370 127,079 9,351,042	70,620,251
	NET SALVAGE (\$)	(10) 358,660 8,379,390 1,629,821 188,931 4,048	10,560,851	1,082,251 9,662,624 1,786,381 391,200 26,045 12,928,501	1,392,300 3,474,517 312,818 318,588 39,651 5,537,873	40,033,211		147,841 2,399,427 472,695 94,458 1,510 3,025,930	144,924 2,903,773 472,873 117,529 5,448 3,644,546	14,442 278,238 63,650 9,029 285 365,643	488 466 775,670 22,403 18,017 12,577 1,317,133	8,353,251
INTERIM RETIREMENTS	NET SALVAGE (%)	(20) (30) (30) (30) (30) (30)	Ē	(30) (20) (20) (5)	(30) (20) (15) (20) (5)			(30) (20) (5) (5)	(30) (20) (20) (5)	(30) (20) (20) (5)	(30) (20) (15) (5)	
INTER	ENTS	(8) 1,195,533 41,896,952 10,865,475 944,654 80,963	54,983,577	3,540,835 48,313,121 11,909,204 1,955,999 520,908 66,240,067	4,640,999 17,372,563 2,085,455 1,592,938 783,019 26,484,394	205,534,440		492,802 11,547,138 3,151298 472,288 30,194 15,893,717	483,081 14,518,865 3,152,487 587,643 108,950 18,851,026	48,139 1,391,188 424,332 45,143 5,689 1,914,502	1,628,221 3,676,348 149,352 90,065 251,540 5,997,546	42,456,790
	NET SALVAGE (%)	E 44444	(4)	4 4 4 4 4	4 4 4 4 4			888888	888888	(8) (8) (8) (8)	888888	
	NET SALVAGE N (\$)	(6) 520,440 9,626,602 1,472,700 301,900 4,937	11,926,578	1,609,947 10,801,496 1,489,675 6,68,897 32,210 14,590,185	2,744,398 3,138,860 305,528 663,823 95,270 6,947,879	52,662,000		1,705,897 11,709,837 1,446,590 1,689,427 5,416	2,380,988 11,843,593 1721,235 2,438,950 23,079 20,407,845	1,168,180 11,957,628 3,186,289 939,444 16,539 17,268,078	4,867,270 2,666,382 94,803 28,853 114,502 8,033,909	62,267,000
EMENTS	\$ / KW	(2)				37.21						97.75
TERMINAL RETIREMENTS	MW (PACIFICORP SHARE)	(b)				1415						637
	WW	(3) 880 79 22	99	86 71 88 36	319 559 131 324 242 575	41		60 22 22 991 07	55 10 10 21 45	73 62 62 62 63 65 65 65 65 65	06 61 11 38	47
	RETIREMENTS (\$)	(2) 11,757,180 2,17,473,233 33,269,552 6,650,179 111,152	269,431,666	36,370,066 244,014,871 33,683,051 14,889,186 727 624,836	61 998, 319 70 909,559 6 902,131 14 998,532 2 152,242 156,998,575	1,189,679,941		20.660, 869 142,028,838 17,545,722 20,441,081 65,685 200,822,207	28.879,052 167,590,210 20,876,887 29,587 279,282,077 247,527,145	14,168,873 145,004,277 38,846,562 11,394,540 200,606 2,00,844,867	59 035, 206 32, 364, 861 1, 449, 888 3, 504, 711 1388, 722 97, 443, 438	755,237,647
	ACCOUNT	(1) JIM BRIDGER LINIT 3 311.00 STRUCTHERS AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERATIOR UNITS 315.00 ACCESSERVE TECTOR COLUMENT 316.00 MISCELLANGEOLIS POWER PLANT EQUIPMENT		MIMBRIDGER LAUR PROVIMENTS 31.00 STRICTI UNES AND IMPROVIMENTS 31.00 BOILDE LAUR EQUIPMENT 31.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EDUIPMENT TOTAL JAM BRIDGER UNIT 4	311.00 STREAD SERVICE COMMON SHOULD SERVICE STATE OF SHOULD SERVICE SHOULD SHOU	TOTAL JIM BRIDGER GENERATING STATION	NAUGHTON GENERATING STATION	911.0 MAJGHTON LUNG 912.00 STRUCTURES AND MAPROVEMENTS 912.00 SOLIECTURES AND MART 914.00 THREOGENERATON IMPE 916.00 ACCESSOOF ELECTRIO EQUIPMENT 916.00 MISCELLANEOLO FORMER AND MAJGHTON LUNT 1	MALGHTON UNITZ 31.00 STRUCHURES AND MAPROVEMENTS 31.20 BOILER ANT EQUIPMENT 31.40 THORSOEN WARTON UNITS 316.00 AND AND STRUCK BUILDINGS 316.00 MISCELLANEOUS POWER PLATE EQUIPMENT TOTAL MALGHTON UNITZ	NAUGHTON UNIT 3 31.100 STRUCTURES AND MPROVEMENTS 31.200 BOULER PLANT EQUIPMENT 314.00 TUPBGGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL NAUGHTON UNIT 3	MALIGHTDN COMMON 31.00 STRUCTURES AND MPROVEMENTS 312.00 BOLLER PAUT FOLOMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUENKIT TOTAL NAUGHTON COMMON	TOTAL NAUGHTON GENERATING STATION



PAGIFICORP UTAH, WYOMNG AND IDAHO ALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017

				TERMINAL RETIREMENTS	MENTS			ĬNI	INTERIM RETIREMENTS		TOTAL		ESTIMATED
	ACCOUNT	RETIREMENTS (\$)	WW	MW (PACIFICORP SHARE)	S / KW	NET SALVAGE (\$)	NET SALVAGE	RETIREMENTS (\$)	NET SALVAGE	NET SALVAGE (\$)	NET SALVAGE (\$)	TOTAL	NET SALVAGE (%)
	(1)	(2)	(3)	(4)	(2)	(9)	(7)	(8)	(6)	(10)	(11)	(12)	(13)
73-	WYODAK GENERATING STATION												
555823165	WYODAK PLANT 311.00 STRUCTURES AND IMPROVEMENTS	47,719,575				923,109	(2)	4,795,036	(30)	1,438,511	2,361,619	52,514,611	9
	312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS	248,083,646 46,792,678				4,799,039	(S (S)	66,082,969	(20)	13,216,594	18,015,633 3,909,956	314,166,616 66.824,527	© ©
	315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT	25,530,872 868,125				493,880	(2, (2)	3,090,065	(20)	618,013	1,111,894	28,620,937	<u>4</u> 6
	TOTAL W YODAK GENERATING STATION	368,994,896		268	26.63	7,138,000		94,417,456		18,298,772	25,436,772	463,412,352	(2)
100													
	BLUNDELL GENERALING STATION												
	BLUNDELL GEOTHERMAL STEAM FIELD 311.00 STRUCTURES AND IMPROVEMENTS	242,417				15,342	(9)	8,346	(30)	2,504	17,845	250,763	6
	312.00 BOILER PLANT EQUIPMENT 315.00 ACCESSORY ELECTRIC EQUIPMENT	32,469,199 1,007,353				2,054,865	(9)	5,126,525	(5(5)	1,025,305	3,080,170 69,040	37,595,725 1,033,796	@E
	316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BLUNDELL GEOTHERMAL STEAM FIELD	95,453 33,814,422				6,041	(e) (9)	5, 190,962	(2)	1,482	7,523 3,174,580	125, 101 39,005, 385	(8)
							ŝ		9				ş
		10,122,864				482,461 793,874	(8) (8)	495,183 3,086,949	(20)	148,555	1,411,264	6,647,157 13,209,813	<u>=</u>
		12,754,939 4,586,408				1,000,291	© (9)	5,022,873	(20)	753,431 91,799	1,753,722	17,777,812 5,045,404	(10) (3)
	316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BLUNDELL GEOTHERMAL UNIT 1	454,029 34,070,214				35,607	(8)	253,652	(2)	12,683	48,289	707,681	(F) (OF)
	BLUNDELL GEOTHERMAL UNIT 2												
,	311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT	665,221				52,169	(8)	24,151	(30)	7,245	59,415	689,372 8.005.815	(6)
		13,290,320				1,042,278	(8)	3,149,074	(15)	472,361	1,514,639	16,439,393	6
_	MISCELLAN	391,241				30,683	(8 (8)	154,035	(9)	7,702	38,384	545,275	<u>@</u> @
	TOTAL BLUNDELL GEOTHERMAL UNIT 2	23,538,527				1,845,981	(8)	4,595,065		740,869	2, 586,851	28,133,592	(6)
	311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT	231,660				56,162	(8) (8)	38,961	(S) (S)	7,234	63,396	740,245	(e) (2)
	315.00 ACCESSORY ELECTRIC EQUIPMENT	41,137				3,226	(8)	1,195	(50)	239	3,465	42,332	(8)
		1,034,153				81,102	(8)	93,805	(c)	16,742	97,844	1,127,958	£ (6)
	TOTAL BLUNDELL GENERATING STATION	92,457,316		33	139.3	6,739,000		19,197,486		3,416,049	10,155,049	111,654,802	
	TOTAL STEAM PLANT	6,212,841,994				289,873,000		936,831,155		182,220,848	472,093,848	7,149,673,149	



	UTAH, WYOMING AND IDAHO	SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017
NOO! IOU .	UTAH, WYOMING AND IDAHO	ALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017

										raye 5
ESTIMATED NET SALVAGE	(%)		558555	ଷ୍ଟିଇଷ୍ଟିଷ୍ଟ	££48£9£	£ 6 6 6 8	(5) (6) (6) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8	989388	<u> </u>	00 Ê0000
TOTAL	RETIREMENTS (12)		2 020 277 28,171,738 2,016,785 1,362,251 8,192 5,525 33,584,767	6,162,779 31,072,147 14,644,195 5,787,736 81,994 1,015,368 58,744,179	95.269 1,225,529 106,935 627,584 15,384 174 2,070,876	762,230 5,240,996 1,585,607 402,552 2,34,285 8,225,670	4,048,418 10,665,220 12,030,759 2,719,993 11,124 592,092 30,065,907	185,404 1,230,036 251,541 144,568 178,282 1,989,832	547,213 3,784,485 720,702 217,060 1,410 5,270,870	988,014 11,886,838 344,702 905,135 61,788 241,075 14,409,551
TOTAL NET SALVAGE	(5)		15,733 171,054 39,293 18,418 62 62 24,617	107,255 600,653 399,289 121,852 994 22,354 1,552,397	1302 11,641 4,789 12,790 118 118 30,650	26,337 202,422 118,887 20,004 11,173 379,523	214,311 711,509 1,113,997 172,328 464 68,197 2,280,907	3,961 30,232 16,828 4,663 4,044 59,728	8,403 59,723 28,553 5,856 102,559	1,897 29,218 2,521 2,535 1,535 871 37,188
			15.733 171,054 39,293 18,418 62 62 24,617	107,255 600,663 389,289 121,852 994 22,334 1,252,397	1,302 11,641 4,789 12,789 12,790 118 10 30,650	26,337 202,422 118,887 20,704 11,173 379,523	214,311 711,509 1,113,997 172,328 464 68,197 2,280,807	3,961 30,232 16,828 4,663 4,044 59,728	8,403 59,723 28,553 5,856 5,856 102,559	1,897 29,218 2,521 2,535 1,535 145 171
M RETIREMENTS ET SALVAGE	(6)		(40) (40) (40) (40) (40)	(30) (40) (15) (40) (40)	(30) (40) (40) (10) (40)	(30) (40) (40) (15) (40)	(30) (40) (40) (10) (40)	(30) (40) (40) (15) (40)	(30) (40) (40) (15) (10)	(30) (40) (15) (10) (40)
INTERI RETIREMENTS N	(8)		52,445 427,635 98,234 122,789 623 138 701,864	357,518 1,501,632 968,223 812,346 9,938 55,884 3,735,542	4 339 29,103 11,973 85,268 1,178 2 2	87,791 566,055 297,216 138,027 27,933 1,057,022	714.371 1,778,773 2,744,993 1,148.853 4,643 170,493 6,602,125	13,205 75,579 42,070 31,087 10,111 172,052	28,009 149,307 71,38.2 39,043 243 287,983	6,323 73,046 6,303 16,900 1,451 1,451 106,201
NET SALVAGE	(%)		000000	000000	000000	00000	000000	00000	00000	000000
SALVAGE	(9)									
REMENTS	\$ / kW (5)		0	0	0	0	0	0	0	0
TERMINAL RETIF	(PACIFICORP SHARE)		0	0	0	0	0	0	0	0
	(3)		32 03 551 62 69 87 03	561 116 172 190 116 116 138	330 266 662 117 117 190	138 141 191 125 152 148	447 447 66 441 81 81 81	557 772 81 71	204 220 118 87	992 992 398 337 337 507
RETIREMENTS	(5)		1,967,8 27,744, 1,918, 1,239,7 7,7 32,882,8	5.805, 29.570, 13.645, 13.645, 4.955, 959, 959, 950,008,	90,5 1,196,6 194,6 14,7 14,1 1,338,6	674,4 4,734,8 1,288.5 284, 284, 284, 206, 7,188,6	3.334 (8.884.) 9.245, 1.571, 421,1 421,1	172,2 1,154, 209, 113,4 118,7	519,2 3,635,649,640,178,178,44,962,2,49,282,2,49,282,2,49,2,2,2,49,2,2,2,2	981 (891 11,796,792 338,398 888 238 60,337 728,887 14,303,390
	ACCOUNT (1)	HYDRAULIC PRODUCTION PLANT	ASHTONIST. ANTHONY 331.00 TRUCHURERAN UNPROVAMENTS 322.00 RESERVORS, DAMS AND WIRTERMAYS 323.00 WHISTOHIELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RALIFOADS AND BRIDGES TOTAL ASHTONIST, ANTHONY	BEAR RIVER 33.100 FIROLUTIBES AND MPROVEMENTS 322.00 RESERVOIRS, DAMS AND WITERWAYS 333.00 WHEREWHELS, TURBRIES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS FOWER PLANT EQUIPMENT 336.00 ROADS, RALIROADS AND BRIDGES 1071AL BEAR RIVER	BEND 33.1 00 TRUCTURES AND MPROVEMENTS 32.00 WEERLYOHS, DAMS AND WATERWAYS 33.30 W WETERWHEELS, TURBINES AND GENERATORS 33.4 00 ACCESSORY ELECTRIC EQUENENT 33.6 00 MISCELLANEOUS POWER PLANT EQUENENT 35.00 ROADS, RALIFOADS AND BRIDGES TOTAL BEND	BUC FORK. 331 00 STROUTURES AND MEPROVEMENTS 322 00 RESERVOIRES. DAMS AND WATERWAYS 323 00 WATERWHELS. THORSIES AND GENERATORS 334 00 MCCESSORY ELECTRIC EQUIPMENT 356 00 ROADS, RALLROADS AND BRIDGES TOTAL BIG FORK	CULTER 331 00 TRUCHORS AND MPROVEMENTS 322.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WHEREWHELS, THEBRIES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLAREOUS SOMER PLART EQUIPMENT 336.00 ROADS, RALIFOADS AND BRIGGES TOTAL CUTLER	EAGLE POINT 331 00 STRUCTURES DATE AND MATERIANNYS 322 00 RETERMOREE STATEMORE STATEMORES 324 00 RETERMOREE STATEMORE STATEMORES 324 00 ACCESSORY ELECTRIC AND PRINCES TOTAL EAGLE FORT	GRAMINES AND MPROVEMENTS 331.00 STRUCTINES AND MPROVEMENTS 32.00 RECEIVENCINGS DARK AND MATERIWHYS 333.00 WATERWHEIS THREINES THREINES CAUPMENT 344.00 ACCESSORY ELECTRIC EQUIPMENT 355.00 MISCELLANEOUS POWER PLANT EQUIPMENT	KIAMATH BIVER 331.00 STRUCTHORS AND MPROVEMENTS 332.00 RESERVIORES DAMS AND WATERWAYS 333.00 WATERWHEELS. THORBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 MISCELLAREOUS DAMS PLANT EQUIPMENT 336.00 ROADS, RALEOODS AND BRIOGES TOTAL KLAMATH RIVER
	TERMINAL RETIREMENTS TOTAL INTERIM RETIREMENTS TOTAL MAY NOTE NET SALVAGE TOTAL MAY NOTE NET SALVAGE TOTAL	TOTAL TERMINAL RETIREMENTS TOTAL TOTAL TERMINAL RETIREMENTS TOTAL TOTAL	TETRIMINAL PETIREMENTS	Tetralimal Retirements Tetralimal Retireme	Tetriminal Petitements Tetriminal Petiteme	The property below bel	Column	Control Cont	Part Part	Control



TACCITION.	UTAH, WYOMING AND IDAHO	CILI ATION OF WEIGHTED NET SAI VAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017
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	ESTIMATED	NET SALVAGE (%)	000000	9 <u>9</u> 9999	8838588	© G G G © G &	00389960	9 • 3 6 3 3	9998999	0030500
		TOTAL RETIREMENTS	16.082.591 16.082.591 37.181,722 18,019,734 16.339.070 184,403 2.590.653 90,478,192	448, 394 957, 545 1, 185, 055 272, 649 65, 287 2,928, 930	1,239,616 8,284,286 7,886,196 409,899 12,063 225,327 18,057,358	96,023,979 30,286,903 8,250,278 10,381,316 168,217 4,350,369 149,461,060	34,573,201 199,510,865 25,624,108 19,599,871 721,757 9,791,444 289,821,245	109,838 112,310 73,283 162,281 417 458,100	534, 884 8,205, 305 1,615, 896 966, 709 9,602 61,394 11,399,800	6,258,284 36,573,903 3,922,090 6,803,887 19,027 388,725 53,965,916
	TOTAL	NET SALVAGE (\$)	13.872 46.038 31.834 19.252 19.8 4 15 115.365	6.364 13.881 35.349 5.836 1.976 63,405	27.877 144.819 162.128 8.955 118 3.553 387,450	3,292,075 1,506,232 1,006,987 551,336 4,785 266,168 6,647,584	602,334 3800,044 965,828 499,750 10,614 302,869 6,181,439	583 1,391 1,294 1,442 4,712	6 964 113,086 29,523 15,104 90 637 165,403	108,621 665,864 166,639 169,206 252 11,941
		NET SALVAGE (\$)	13.872 46.038 31.884 19.252 19.8 19.8 19.8 115.385	6,364 13,881 35,449 5,836 1,936 63,405	27,877 184,819 162,128 8,955 118 3,553 387,450	3,292,075 1,506,522 1,026,887 551,336 4,785 266,188 6,647,584	602,334 3,800,044 965,628 499,750 10,614 302,889 6,181,439	583 1,391 1,294 1,442 4,712	6.964 113,086 29,523 15,104 90 637 165,403	108.621 625.884 156.639 169.206 252 11.941 1,072.823
4	INTERIM RETIREMENTS	NET SALVAGE (%)	(30) (40) (40) (15) (10) (40)	(30) (40) (40) (15) (40)	(30) (40) (15) (10)	(30) (40) (15) (40) (40)	(30) (40) (15) (10)	(30) (40) (40) (15)	(30) (40) (40) (15) (10)	(30) (40) (15) (40)
S OF DECEMBER 31, 201 [.]		RETIREMENTS N (\$)	46.239 115.094 779.884 783.44 128.344 1.984 1.084 1.084 1.084	21,214 34,702 88,371 38,904 4,940 188,132	92,924 462,046 405,321 59,702 1,178 8,882 1,030,054	10,973,582 3,765,581 2,567,469 3,675,575 47,847 665,420 21,695,475	2,007,778 9,500,111 2,414,571 3,331,669 106,136 757,172	1,943 3,477 3,236 9,612 18,289	23.213 282,716 73.807 100,690 902 1,592 482,919	362,071 1,564,661 391,598 1,128,039 2,517 29,57 3,478,737
HO ERATION PLANT AS		NET SALVAGE (%)	000000	00000	000000	000000	000000	00000	000000	000000
FAH, WYOMING AND IDA GE PERCENT FOR GENE		NET SALVAGE (\$)	5							
U NET SALVA	AENTS	\$ / KW	0	0	0	0	0	0	0	0
UTAH, WYOMNG AND IDAHO SALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017	TERMINAL RETIREMENTS	(PACIFICORP SHARE)	o L	0	٥	٥	0	0	0	0
ð		WM								
		RETIREMENTS (\$)	16,016,382 16,016,882 17,066,627 17,340,170 18,210,786 18,210,786 18,214,39 18,2419 18	427.180 922.843 1,096.884 233,745 80.3,745 27,440,798	1,146,692 7,822.210 7,480,875 350,197 10,885 11,085 11,085 11,085	85,050,397 26,57,322 5,622,802 6,705,740 120,370 3,864,949 127,765,586	32,565,422 190,0174 23,209,57 16,268,202 615,621 9,034,272 271,703,808	107,895 108,834 70,017 122,669 396 439,811	511,681 7,922,589 1,542,090 866,019 8,770 89,802 10,910,881	5,896,213 35,009,243 3,530,491 5,675,848 16,510 16,510 50,487,478 50,487,478
		ACCOUNT (4)	KLAMATH RIVER - ACCELERATED 331.00 STRUCTURES AND MATROVERENTS 332.00 HESENOVIES, DAMA DAM VATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 343.00 MACTER AND SPOWER PLANT FOURTH 355.00 MISCELLANEOUS POWER PLANT FOU	148T CHANGE 33.100 FIRCHOTHES AND MPROVEMENTS 32.00 FESTEVOIRS, DAMS AND WATERWAYS 33.00 WATERWAYELS. THERISE AND GENERATORS 34.00 ACCESSORY ELECTRIC EQUIPMENT 34.00 ROADS, RALRADAS AND BRIDGES 356.00 ROADS, RALRADAS AND BRIDGES	331 00 THEON 322 00 FEERVOIRS, DAMS AND WATERWAYS 322 00 FEERVOIRS, DAMS AND WATERWAYS 323 00 WATERWHELES, THENRIES AND GENERATORS 334 00 ACCESSORY ELECTRIC EQUIPMENT 335 00 MISCELLANEOUS POWER PLANT EQUIPMENT 335 00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL, IFTON PUMP STATION	MERWIN 33.100 FTRUCTURES AND MATERVIA'S 32.200 FEBERVOIRS, DAMIS AND WATERWAYS 33.300 WATERWHELES, THENES AND GENERATORS 33.400 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 335.00 ROADS, RALROADS AND BRIDGES 336.00 ROADS, RALROADS WHERWIN	NORTH-LUMPOLA 331 00 STRUCTURES AND MPROVEMENTS 32.00 FEERVORS, DAMS AND WATERWAYS 332.00 VATERWHELS, TUBRIES AND GENERATORS 34.00 ACCESSORY ELECTRIC EQUIPMENT 355.00 MISCELLANEOUS POWER PLANT EQUIPMENT 355.00 ROADS, PALROADS AND BRIDGES 356.00 ROADS, PALROADS AND BRIDGES	PARIS 331.00 STRUCTURES AND IMPROVEMENTS 322.00 FESTEVORES, DAMS AND WATERWAYS 323.00 WATERWAYS 34.00 MACESSORY ELECTRIC EQUIPMENT 35.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL PARIS	PONEER 33.1 OS THEOLOGIS AND MPROVEMENTS 32.00 FESERVOIRS, DAMS AND WATERWAYS 32.00 FESERVOIRS, DAMS AND WATERWAYS 32.00 VATERWHELS, THENIES AND GENERATORS 33.00 WATERWHELS, THEORIE COUPMENT 335.00 MISCELLANE OUS POWER PLANT EQUIPMENT 355.00 MISCELLANE OUS POWER PLANT EQUIPMENT TOTAL PROMISE TOTAL POWER	PROSPECT # 1, 2 AND 4 331 00 FTROCHERS AND MIRRO/MENTS 322 00 FEERVOIRS, DAMS AND WATERWAYS 333 00 WATERWAYHELS, TURBENIES AND GENERATORS 334 00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANDOUS POWER PLANT FOURMENT 335.00 ROADS, RAL ROADS AND BRIDGES 336.00 ROADS, RAL ROADS AND BRIDGES
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PACIFICORP	UTAH, WYOMING AND IDAHO	CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017
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£ (£) (£) (£)	66 33	555555	\$ 55885 <i>8</i>	8 8 9 9 9 9	650050	400000	££6488	45 <u>£</u> @@ <i>EE</i>	
(12) 643,908 4,547,931 1,842.301	1,889,300 62,715 117,026 9,103,181	180,109 1,139,134 464,355 708,658 7,952 21,506 2,521,714	181,021 1,023,591 520,911 226,242 57,926 2,009,692	72,735,026 47,586,345 16,42,449 8,017,718 411,223 1,133,091 146,307,861	403,225 103,607 497,438 207,351 20,594 1,232,115	168,447 917,743 906,660 760,420 649,143 3,302,413	389,497 2,016,928 936,738 259,856 22,270 39,887 3,665,146	17.614.754 32.865,578 12.621.889 13.895,750 560,983 2.042,990 89,601,915	1,008,670,291
25,644 244,571 171,935	99,707 2,121 10,865 554,843	1,114 8,811 5,961 6,262 44 137	2,708 14,083 14,472 3,989 308 35,560	2,414,641 3,254,281 1,691,869 438,276 19,567 7,3276 7,891,909	4,106 1,133 11,999 3,502 3,502 173 20,912	6,753 44,943 68,830 43,894 37,143 201,564	21,144 134,762 103,440 15,563 1814 3,339 279,082	655,187 2,440,166 1,381,506 233,971 28,019 136,107 4,855,956	32,887,505
25,644 244,571 171,935	99,707 2,121 10,865 554,843	1,114 8,811 5,961 6,262 44 137 22,339	2,708 14,083 14,472 3,989 306 35,560	2,414,641 3,254,281 1,691,869 1,691,869 438,276 7,3276 7,891,909	4,106 1,133 11,999 3,502 3,502 173	6,753 44,943 68,830 43,894 37,143 201,564	21,144 134,762 103,440 15,563 14 3,389 279,082	655,187 2,440,166 1,391,506 233,971 29,019 136,107 4,655,966	32,887,505
(30) (40) (40)	(15) (10) (40)	(30) (40) (15) (40) (40)	(30) (40) (40) (40)	(40) (40) (40) (40)	(30) (40) (40) (15)	(30) (40) (40) (40)	(30) (40) (12) (40)	(40) (40) (40) (40) (40)	
(8) 85,479 611,428 429,838	664,711 21,209 27,162 1,839,827	3,713 22,028 14,902 41,745 436 83,168	9,028 35,209 36,180 36,180 26,591 769 107,776	8,046,803 8,135,703 4,226,672 2,921,839 195,687 183,190 23,714,873	13,687 2,833 29,996 23,345 1,726 71,587	22,511 112,358 172,074 292,626 92,858 692,428	70,479 336,905 258,601 103,752 8,144 8,397 786,277	2.183,956 6,100,415 3,403,785 1,559,809 2,900,189 340,288 13,878,401	99,361,731
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<u>4</u>	0	0	0	0	0	0	0	0	
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(2) 558,429 3,936,502 1,412,463	1,224,590 41,506 89,884 7,263,354	176,397 1,117,108 449,452 6,666,666 7,516 2,438,548	171,993 988,392 484,732 199,651 77,73 1,901,915	64 686, 222 39.450, 642 12, 194, 797 5, 095, 879 215, 592 249, 901 122, 592, 988	389,538 100,674 467,442 184,008 18,108 1,160,528	145,936 805,334 834,586 847,794 566,788 2,609,985	319,018 1,680,023 678,137 156,105 14,126 2,876,886	15,430,798 20,765,163 9,216,144 2,335,942 270,728 55,723,513	909.308.560
		331.00 STRUCTURES AND MPROVENENTS 332.00 REPROVENSE, DAME AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERALY 334.00 ACCESSORY ELECTRICE COLUMENT 336.00 MISCELLANEOUS POWER PLANT ECUPMENT 336.00 ROADS, RALROADS AND BRIDGES TOTAL SANTA CLARA	STARS 331.00 STRUCTURES AND MEPROVEMENTS 332.00 REPERFOYERS, DAME NO WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 ROADS, PARLROADS AND BRIDGES TOTAL STARS	SWIET 331.00 STRUCTURES AND MPROVEMENTS 332.00 PRESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELES, THENRE AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RALROADS AND BRIGGES TOTAL SWIFT	VIVANALIGHTON 301.00 STHOLOTHES AND MPROVEMENTS 302.00 WATERDAYS 303.00 WATERDAYS 303.00 WATERDAYS 303.00 WATERDAYS 304.00 ACCESSORY ELECTRIC EQUIPMENT 305.00 MISCELLANEOUS POWER PAWE TO DAME TO ME 305.00 MISCELLANEOUS POWER TO WATERDAY 306.00 MISCELLANEOUS POWER PAWER TO WATERDAY 307.00 MISCELLANEOUS POWER PAWER	WALLOWLE FALLS 311 00 STRUCTURES AND MAPROVENER ITS 322 00 REPROVINCES DAME OWN WATERWAYS 323 00 WATERWHEELS SURGENES AND GENERATORS 334 00 WATERWHEELS SURGENES AND REPORTS 335 00 ROADS, PALLYGADS AND BRIDGES TOTAL WALLOW A FALLS	WEBER 33.00 STRUCHES AND MAPROVEMENTS 33.20 WASHEWHELS, TURBINES AND GENERATORS 33.30 W WATERWHELS, TURBINES AND GENERATORS 33.40 WACESSORY ELECTRIC EQUIPMENT 33.50 MISCELLANEOUS POWER PLANT EQUIPMENT 34.50 MISCELLANEOUS POWER PLANT EQUIPMENT 35.50 MISCELLANEOUS POWER PLANT FOUR PROPERTY.	YA <u>LE</u> 331.00 STRUCTURES AND MEPOVEMENTS 332.00 RESERVOIRS, DAMIS AND WATERNAYS 333.00 WATERNHEELS, THENRIES AND GENERATORS 333.00 WATERNHEELS, THENRIES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RALROADS AND BRIOGES TOTAL YALE	TOTAL HYDRAULIC PRODUCTION PLANT
	PROSPECT #3 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$ 5.056.42 (9) (9) (9) (1) (9) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	PROSPECTIAL PROPRENTY CONTINGE AND MATERIANS	PROCESCIPATION PROC	STRUCTIVES NO PREPORTERY STRUCTIVES NO PROPRE NO PREPARE NO PROPERTY STRUCTIVES NO PROPRE NO PROPERTY STRUCTIVES NO PROPRE NO P	PRODUCERENT PRODUCERENT	1,25,400 1,25,400	Description of the party of t	Comparison Com

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PACIFICORP	UTAH, WYOMING AND IDAHO	ALCIII ATION OF WEIGHTED NET SAI VAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31 2017

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ESTIMATED	NEI SALVAGE (%)	<u>9</u> 0000000	@ 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	© 0 0 0 0 0 0	£9£686	2 99999	<u>0</u> 099000	££££0£0	99999	£ • £ 8 £
i i	RETIREMENTS	2.4.463,496 1.597,346 2.16.427,437 70.171,785 3.8.406,437 3.868,830 3.858,330	44,209,432 3,299,735 194,949,808 63,104,566 42,918,306 2,298,334 351,465,192	12,863,797 25,322 113,006,798 42,333,159 9,781,188 209,839 178,220,103	2,606,482 218,576,283 69,228,701 44,907,589 2,451,484 337,770,539	86,240,831 8,506,513 33,1,144,411 154,170,831 75,433,382 3,600,408 659,166,366	4.273,000 2,759,017 55,430,608 17,840,027 2,952,120 83,254,772	7,799,280 207,990,140 6,635,348 12,315,312 149,100 234,887,090	137,312 32,601,302 2,016,496 2,949,207 37,704,317	10,650,428 442,653,448 13,712,764 29,618,521 1,665,767 4,98,270,929
TOTAL	NEI SALVAGE (\$)	775.885 775.885 775.885 11,976.881 3,426.532 904,477 62.828 17,191,344	1,468,186 96,906 11,290,508 3,132,794 1,094,278 60,013 17,102,686	365,347 627 627 770,122 196,161 196,161 3,571 7,598,535	91,349 13,390,841 3,718,403 1,243,121 56,220 18,439,934	2,540,577 219,950 19,971,338 7,267,760 1,332,570 47,662 31,379,647	85,707 54,853 1,964,426 491,045 53,320 2,649,351	84,010 2,576,075 168,300 111,746 181,746 537 3,010,669	1,169 300,666 28,28,29 30,636 360,720	116,630 5,530,253 363,891 438,680 6,135 6,445,589
TS	NEI SALVAGE (\$)		525,143 40,396 8,844,170 2,004,799 148,177 11,602,686	133,121 280 3,922,898 1,136,988 28,287 5,228,535	27,285 10,344,890 2,324,870 162,889 12,859,934	1,348,901 132,013 17,635,491 5,507,038 288,204 24,929,647	12,907 10,895 1,215,886 206,219 3,444 1,449,351	56,788 1,879,987 153,765 143,129 2,233,669	316 101,548 17,378 13,138 13,138	79.252 4,038.254 33.4,075 345,008 4,786,589
IM RETIREMEN	S NEI SALVAGE	(20) (10) (15) (5) (5) (5)	(20) (5) (10) (15) (5) 0	(20) (5) (10) (15) (5) 0	(20) (10) (15) (5) 0	(20) (5) (10) (15) (5) 0	(20) (5) (10) (15) (5)	0 (2) (2)	<u>බ</u> බබ	0 (2) (2)
	KEIIKEMENIS	(8) 11,389 380,461 14,885 2,677 2,677 113,160	2, 625,717 807,930 88, 841,700 13, 365,326 2, 963,549 337,042 108,941,263	665,605 5.208 39,289,983 7,579,920 565,348 13,802 48,128,866	136,425 103,448,902 15,499,132 3,577,772 283,865 122,626,097	6,744,504 2,640,270 176,554,912 36,713,583 5,764,086 4,91,584 4228,888,940	64,534 217,910 12,168,859 1,374,795 68,870 13,884,988	1, 135,762 37,599,733 3,075,305 2,862,573 17,574 44,690,948	6,321 2,030,951 347,566 262,759 2,647,597	1, 585,036 80,785,071 6, 481,502 6, 900,167 177,782 95, 909,558
	NEI SALVAGE (%)	S ଉଉଉଉଉଉଉ	ଉପଉପଉପଉ	ପ୍ରସ୍ତ୍ରପ୍ର	ପ୍ରତିଷ୍ଟିପ୍ର	555555	ଉଉଉଉଉ	<u> </u>	55555	<u> </u>
- 1	(\$)	(9) 497,650 26,251 2,630,516 1,192,175 77,0,580 6,180,000	943,043 56,510 2,406,338 1,127,995 906,101 60,013	222,226 386 1,34,2808 633,134 197,894 172,894 2,370,000	64,064 2,865,951 1,393,534 1,060,222 56,220 5,580,000	1,191,676 87,337 2,317,647 1,760,723 1,043,865 47,682 6,450,000	72,801 43,958 748,540 284,825 49,876 1,200,000	27,222 696,089 14,535 38,617 537 777,000	853 199,118 10,870 17,498	37,378 1,482,000 29,816 93,671 6,135
MENTS	\$ / KW	(b)	01	01	01	01	01		,,	
TERMINAL RETIREMENTS	(PACIFICORP SHARE)	(4)	099	237	858	645	120	111	32.62	237
	WW		ı	1	1	1	T.	1	1	1
	KEIIKEMENIS (\$)	(2) 23.073.923 1.217.144 121.965.787 65.276.070 55.776.07 2.2913.090 24.01.74.905	41,583,715 2,481,805 106,108,108 49,739,241 39,984,757 2,646,503 2,42,523,929	12,188,192 20,113 73,707,816 84,753,239 9,215,840 1915,840 130,091,237	2.470,057 115,127,382 53,728,589 41,689,816 2,197,619 2,15,144,443	79 496,327 5,866,243 15,809,499 117,457,248 69,699,277 3,178,824 430,277,416	4.208,466 2.541,107 43,271,749 16,465,523 2.883,259 69,369,804	6,663,518 170,390,407 3,557,943 9,452,739 131,526 190,196,132	130,990 30,570,351 1,668,931 2,686,448 35,056,720	9,065,392 361,855,378 7,231,262 22,718,354 1,487,395 402,361,371
	ACCOUNT	OTHER PRODUCTION PLANT CHERALIS 34.0 O FINEL/CUTRES AND MPROVENENTS 34.2 OF PUEL HOLDERS, PRODUCERS AND ACCESSORES 34.4 OR CENERATORS 34.0 A COCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CHERALIS	GURRANTI OREEK 341.00 STRUCTURES AND MEROVENENTS 342.00 FUEL HOLDERS, PRODUCERS AND ACCESSORES 343.00 PRAME MOVTERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC COUPARINT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CURRANT CREEK	HERMISTON 34.100 FINELTURES AND MPROVEMENTS 34.00 FUEL HOLDERS, PRODUCERS AND ACCESSORES 34.00 FUEL HOLDERS, PRODUCERS AND ACCESSORES 34.00 GENERATORS 34.500 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PUANT EQUIPMENT DIAL HERMISTON	JAME SIDE UNIT. 341.00 STRUCTURES AND MPROVEMENTS 44.00 FRIME MOVERS 44.00 GENERATORS LESTIVE CRUJURINET 44.00 MISCELLANE DUS POWER PLANT ECULPMENT 707AL LANGE SIDE UNIT.	JAME SIDE UNITZ 341.00 FINCLOTRES AND MPROVEMENTS 342.00 FUEL HOLDERS, RPODUCIPES AND ACCESSORIES 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWERP PLANT EQUIPMENT TOTAL LANGE SIDE UNITZ	040897 PEAKERS. CT 341.00 STRUCTURES AND MPROVEMENTS 342.00 FUEL HOLDERS, PRODUCERS AND ACCESSORES 343.00 FMEM MOVERS 344.00 GENERATIONS 345.00 ACCESSORY ELECTRIC EQUIPMENT 345.00 ACCESSORY ELECTRIC EQUIPMENT	941 02 STRUCTURES AND MPROVEMENTS 943 02 PRIME MOVERS 944 02 FRAME MOVERS 944 03 CHEMENTORS 15 CALCARECTRIC COLIDMANT 346 02 MISCELLANEOUS FOWER PLANT EXUPMENT 101 MISCELLANEOUS FOWER PLANT EXUPPLE PLANT EXUP	FOOTE CREEK - WIND 341.02 FINCULTRES AND MIPROVEMENTS 343.02 FRAME MOVERS 344.02 GENERATORS 345.02 ACCESSORY ELECTRIC EQUIPMENT TOTAL FOOTE CREEK - WIND	GLENROCK - WIND 341.02 FINEL/CUTES AND MPROVEMENTS 343.02 FERME MOVERS 344.02 GENERATORS 345.02 ACCESSORY ELECTRIC EQUIPMENT 346.02 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GLENROCK - WIND



			TERMINAL RETIREMENTS	EMENTS				INTERIM RETIREMENTS		TOTAL		ESTIMATED
ACCOUNT	RETIREMENTS (\$)) MM	MW (PACIFICORP SHARE)	S / KW	NET SALVAGE (\$)	NET SALVAGE (%)	RETIREMENTS (\$)	NET SALVAGE (%)	NET SALVAGE (\$)	NET SALVAGE (\$)	TOTAL	NET SALVAGE (%)
(1)		l	(4)	(2)	(9)	(7)	(8)	(6)	(10)	(11)	(12)	(13)
	4,663,967				20,551		823,576	(2)	41,179	61,729	5,487,542	Ð
343.02 PRIME MOVERS	133,353,056				587,589	08	30,838,050	(2)	1,541,902	2,129,492	164,191,105	€8
	2,304,033				39 042		2, 123,017	(2)	122 338	161380	11.307.301	ē (
MISCELLANEC	150,267				662		21,656	0		662	171,923	0
TOTAL GOODNOE HILLS - WIND	149,332,730		94	7	658,000	(0)	36,253,054		1,811,570	2,469,570	185,585,784	(1)
						į		!	;			:
341.02 STRUCTURES AND IMPROVEMENTS	6,687,702				26,647	0.9	1,126,835	(2)	56,342	3 046 475	7,814,537	€€
	3,789,471				15,099	00	3,297,190	(2)	164,860	179,959	7,086,662	(3)
	11,382,480				45,353	0	3,403,573	(9)	170,179	215,532	14,786,053	Ξ
346.02 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HIGH PLAINS / MCFADDEN - WIND	224,872,648		128	7	896,000	<u>@</u> @	13,334	0	2,599,354	3,495,354	276,873,069	o E
LEANING JUNIPER - WIND												
., -,	4,167,333				21,000	£)	809,801	(2)	40,490	61,490	4,977,134	Ξ
	126,401,181				636,957	€3	33,288,528	(2)	1,664,426	2,301,384	159,689,708	Ξŝ
345.02 ACCESSORY ELECTRIC EQUIPMENT	6,904,947				34,795	ΞΞ	2,755,567	(2)	117,703	152,498	9,259,005	(3)
MISCELLANE	69,297				349		11,738	0		349	81,036	0
TOTAL LEANING JUNIPER - WIND	140,300,839		101	7	207,000		39,217,713		1,960,299	2,667,299	179,518,552	(1)
341.02 STRUCTURES AND IMPROVEMENTS	8,659,445 265,389,445				43,162	0	1,577,006	(2)	3 245 613	122,012	330.301.685	€€
	7,063,232				35,206		5,667,256	(2)	283,363	318,568	12,730,488	(3)
	14,921,615				74,375		4,844,849	(2)	242,242	316,617	19,766,464	(2)
346.02 MISCELLANEOUS POWER PLANT EQUIPMENT	293,159		244	-	1,461	0.9	43,959	0	3 950 089	1,461	337,119	0 5
	100,020,002				000'1 12.'1	6)	7700000		oppriopprio	200,120,0	003,210,010	Ē
341.02 STRUCTURES AND IMPROVEMENTS	5.416.079				22.924		939.723	(2)	46.986	69.911	6.355.802	Ξ
	176,901,443				748,766		41,057,769	(9)	2,052,888	2,801,654	217,959,212	Ξ
344.02 GENERATORS	3,476,243				14,714	0.9	3,215,648	(2)	160,782	175,496	6,691,890	(3)
	10,230,069				3.039		3,203,244	(n) (o	707'001	3,039	803 822	(Z) O
	196,802,400		119	7	833,000		48,504,238	,	2,420,919	3,253,919	245,306,638	(£)
SOLAR GENERATING												
344.00 GENERATORS - ATLANTIC CITY	5,546					0		0			5,546	0
344.00 GENERATORS - CANYON LANDS	36,389					0 0		0 0			36,389	0 0
344.00 GENERATORS - OREGON HIGH DESERT	56,322					0		0			56,322	0
TOTAL SOLAR GENERATING	153,344		0	0		0					153,344	0
TOTAL OTHER PRODUCTION PLANT	2 962 984.399				33 515 340		1 031 899 811		87 876 345	121.391.685	3 994 884 210	
										decades		



PRODUCTION AND TRANSMISSION PLANT



PACIFICORP

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	1,589,492	46,311	3		0	46,311-	3 –
1993	789,445	645,534	82	48,344	6	597,191-	76-
1994	2,942,201	194,134	7		0	194,134-	7 –
1995	2,226,255	548,212	25	2,359	0	545,853-	25-
1996	1,062,497	626,343	59	2,359-	0	628,702-	59-
1997	998,220	246,834	25	15,183	2	231,650-	23-
1998	234,305	14,881	6	13,545	6	1,336-	1-
1999	19,673	915	5	42,352	215	41,437	211
2000	341,134	54,507	16	4,741	1	49,766-	15-
2001	940,059	1,096,876	117		0	1,096,876-	117-
2002	1,288,751	179,666	14	51,600	4	128,066-	10-
2003	680,832	220,136	32		0	220,136-	32-
2004	2,278,630	568,199	25	28,115	1	540,084-	24-
2005	2,362,688	767,309	32	27,171	1	740,138-	31-
2006	1,093,838	185,261	17		0	185,261-	17-
2007	1,082,023	350,038	32	339	0	349,699-	32-
2008	4,038,015	456,804	11	26,386	1	430,418-	11-
2009	3,309,157	951,248	29		0	951,248-	29-
2010	909,800	1,273,177	140		0	1,273,177-	140-
2011	1,268,905	353,071	28		0	353,071-	28-
2012	1,679,107	1,275,007	76		0	1,275,007-	76-
2013	2,453,672	961,378	39	6,667	0	954,712-	39-
2014	1,755,212	530,427	30		0	530,427-	30-
2015	2,024,779	1,039,269	51		0	1,039,269-	51-
2016	2,027,336	486,113	24		0	486,113-	24-
2017	1,409,066	761,701	54	12,800	1	748,901-	53-
TOTAL	40,805,093	13,833,350	34	277,243	1	13,556,107-	33-
THREE-YE.	AR MOVING AVERAG	GES					
92-94	1,773,713	295,326	17	16,114	1	279,212-	16-
93-95	1,985,967	462,627	23	16,901	1	445,726-	22-
94-96	2,076,985	456,230	22		0	456,230-	22-
95-97	1,428,991	473,796	33	5,061	0	468,735-	33-
96-98	765,007	296,019	39	8,790	1	287,230-	38-
97-99	417,399	87,543	21	23,693	6	63,850-	15-
98-00	198,371	23,434	12	20,213	10	3,222-	2-
99-01	433,622	384,099	89	15,698	4	368,402-	85-
00-02	856,648	443,683	52	18,780	2	424,903-	50-
01-03	969,881	498,893	51	17,200	2	481,693-	50-
02-04	1,416,071	322,667	23	26,572	2	296,095-	21-
03-05	1,774,050	518,548	29	18,429	1	500,119-	28-



PACIFICORP

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGE	S					
04-06	1,911,719	506,923	27	18,429	1	488,494-	26-
05-07	1,512,850	434,203	29	9,170	1	425,033-	28-
06-08	2,071,292	330,701	16	8,908	0	321,793-	16-
07-09	2,809,732	586,030	21	8,908	0	577,122-	21-
08-10	2,752,324	893,743	32	8,795	0	884,947-	32-
09-11	1,829,287	859,165	47		0	859,165-	47-
10-12	1,285,937	967,085	75		0	967,085-	75-
11-13	1,800,561	863,152	48	2,222	0	860,930-	48-
12-14	1,962,664	922,271	47	2,222	0	920,048-	47-
13-15	2,077,888	843,691	41	2,222	0	841,469-	40-
14-16	1,935,776	685,270	35		0	685,270-	35-
15-17	1,820,393	762,361	42	4,267	0	758,094-	42-
FIVE-YEA	R AVERAGE						
13-17	1,934,013	755,777	39	3,893	0	751,884-	39-



ACCOUNT 312 BOILER PLANT EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	15,332,022	1,193,618	8	8,466	0	1,185,152-	8-
1993	12,396,981	584,489	5	65,173	1	519,316-	4-
1994	15,466,340	3,970,417	26	119,203	1	3,851,214-	25-
1995	19,391,501	4,019,452	21	30,706	0	3,988,746-	21-
1996	8,291,370	1,886,391	23	139,398	2	1,746,994-	21-
1997	8,773,949	1,020,242	12	267,375	3	752,867-	9-
1998	7,631,448	435,427	6	235,577	3	199,850-	3-
1999	2,181,698	300,676	14	95,344	4	205,332-	9-
2000	20,674,673	3,545,073	17	193,172	1	3,351,900-	16-
2001	26,965,774	1,801,508	7	429,987	2	1,371,521-	5-
2002	26,664,470	3,238,518	12	53,696	0	3,184,822-	12-
2003	20,399,189	1,751,472	9	206,042	1	1,545,430-	8-
2004	22,358,180	3,286,342	15	122,339	1	3,164,003-	14-
2005	26,556,374	7,194,050	27	381,686	1	6,812,364-	26-
2006	18,786,841	4,279,180	23	125,827	1	4,153,353-	22-
2007	39,045,367	7,424,969	19	508,113	1	6,916,856-	18-
2008	29,178,145	10,046,966	34	194,628	1	9,852,337-	34-
2009	41,446,468	11,885,106	29	171,244	0	11,713,862-	28-
2010	42,202,628	8,284,558	20	367,528	1	7,917,031-	19-
2011	44,972,654	9,185,390	20	464,893	1	8,720,497-	19-
2012	32,667,274	16,216,187	50	388,574	1	15,827,613-	48-
2013	16,688,300	3,049,196	18	101,981	1	2,947,215-	18-
2014	34,292,418	7,790,729	23	2,311	0	7,788,418-	23-
2015	33,314,380	9,337,339	28	15,242	0	9,322,097-	28-
2016	51,012,835	10,966,441	21	400	0	10,966,041-	21-
2017	34,633,987	8,649,775	25	28,660	0	8,621,115-	25-
TOTAL	651,325,265	141,343,513	22	4,717,567	1	136,625,947-	21-
TUDEE VE	AR MOVING AVERA	CEC					
92-94	14,398,448	1,916,175	13	64,281	0	1,851,894-	13-
93-95	15,751,607	2,858,120	18	71,694	0	2,786,425-	18-
94-96	14,383,070	3,292,087	23	96,436	1	3,195,651-	22-
95-97	12,152,273	2,308,695	19	145,826	1	2,162,869-	18-
96-98	8,232,256	1,114,020	14	214,117	3	899,904-	11-
97-99	6,195,698	585,448	9	199,432	3	386,017-	6-
98-00	10,162,606	1,427,059	14	174,698	2	1,252,361-	12-
99-01	16,607,382	1,882,419	11	239,501	1	1,642,918-	10-
00-02	24,768,306	2,861,700	12	225,619	1	2,636,081-	11-
01-03	24,676,478	2,263,833	9	229,909	1	2,033,924-	8 –
02-04	23,140,613	2,758,778	12	127,359	1	2,631,418-	11-
03-05	23,104,581	4,077,288	18	236,689	1	3,840,599-	17-



ACCOUNT 312 BOILER PLANT EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAG	SES					
04-06	22,567,132	4,919,857	22	209,951	1	4,709,907-	21-
05-07	28,129,528	6,299,400	22	338,542	1	5,960,858-	21-
06-08	29,003,451	7,250,372	25	276,190	1	6,974,182-	24-
07-09	36,556,660	9,785,680	27	291,329	1	9,494,352-	26-
08-10	37,609,080	10,072,210	27	244,467	1	9,827,743-	26-
09-11	42,873,917	9,785,018	23	334,555	1	9,450,463-	22-
10-12	39,947,519	11,228,712	28	406,998	1	10,821,714-	27-
11-13	31,442,743	9,483,591	30	318,483	1	9,165,108-	29-
12-14	27,882,664	9,018,704	32	164,289	1	8,854,415-	32-
13-15	28,098,366	6,725,755	24	39,845	0	6,685,910-	24-
14-16	39,539,877	9,364,836	24	5,984	0	9,358,852-	24-
15-17	39,653,734	9,651,185	24	14,767	0	9,636,418-	24-
FIVE-YEAD	R AVERAGE						
13-17	33,988,384	7,958,696	23	29,719	0	7,928,977-	23-



ACCOUNT 314 TURBOGENERATOR UNITS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	4,921,179	361,725	7		0	361,725-	7-
1993	5,828,408	778,233	13		0	778,233-	13-
1994	2,781,362	448,229	16	3,500	0	444,729-	16-
1995	3,261,364	1,173,035	36	278,146	9	894,889-	27-
1996	3,042,405	981,480	32	22,856	1	958,624-	32-
1997	8,622,922	1,216,510	14	224,243	3	992,267-	12-
1998	4,057,759	447,827	11	334,333	8	113,494-	3 –
1999	1,010,587	67,090	7		0	67,090-	7 –
2000	21,468,268	1,046,434	5	234,656	1	811,777-	4 –
2001	4,539,299	212,670	5	195,293	4	17,376-	0
2002	12,037,769	1,277,239	11	448,191	4	829,048-	7 –
2003	8,003,290	743,238	9	64,850	1	678,388-	8 –
2004	10,420,729	1,609,367	15	78,477	1	1,530,890-	15-
2005	9,552,569	1,528,431	16	101,137	1	1,427,294-	15-
2006	7,931,346	1,136,746	14	5,077	0	1,131,669-	14-
2007	11,931,246	2,216,242	19	3,280	0	2,212,962-	19-
2008	10,230,681	2,638,373	26		0	2,638,373-	26-
2009	10,076,029	3,467,846	34	44,660	0	3,423,186-	34-
2010	9,006,635	485,145	5	27,761	0	457,383-	5-
2011	18,507,494	4,843,876	26	40,609	0	4,803,267-	26-
2012	10,718,121	1,498,281	14	1,000	0	1,497,281-	14-
2013	9,145,070	942,973	10		0	942,973-	10-
2014	5,124,709	732,619	14		0	732,619-	14-
2015	13,258,515	1,591,583	12	333	0	1,591,250-	12-
2016	24,613,414	3,695,894	15		0	3,695,894-	15-
2017	6,720,092	1,649,824	25		0	1,649,824-	25-
TOTAL	236,811,262	36,790,911	16	2,108,404	1	34,682,507-	15-
THREE-YE	AR MOVING AVERAC	GES					
92-94	4,510,316	529,396	12	1,167	0	528,229-	12-
93-95	3,957,045	799,832	20	93,882	2	705,950-	18-
94-96	3,028,377	867,581	29	101,501	3	766,081-	25-
95-97	4,975,564	1,123,675	23	175,082	4	948,593-	19-
96-98	5,241,029	881,939	17	193,811	4	688,128-	13-
97-99	4,563,756	577,143	13	186,192	4	390,950-	9-
98-00	8,845,538	520,450	6	189,663	2	330,787-	4-
99-01	9,006,051	442,065	5	143,317	2	298,748-	3-
00-02	12,681,779	845,447	7	292,713	2	552,734-	4-
01-03	8,193,453	744,382	9	236,111	3	508,271-	6-
02-04	10,153,930	1,209,948	12	197,173	2	1,012,775-	10-
03-05	9,325,530	1,293,679	14	81,488	1	1,212,191-	13-
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ACCOUNT 314 TURBOGENERATOR UNITS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGE	IS					
04-06	9,301,548	1,424,848	15	61,564	1	1,363,284-	15-
05-07	9,805,054	1,627,140	17	36,498	0	1,590,642-	16-
06-08	10,031,091	1,997,120	20	2,786	0	1,994,335-	20-
07-09	10,745,985	2,774,153	26	15,980	0	2,758,173-	26-
08-10	9,771,115	2,197,121	22	24,140	0	2,172,981-	22-
09-11	12,530,053	2,932,289	23	37,677	0	2,894,612-	23-
10-12	12,744,083	2,275,767	18	23,123	0	2,252,644-	18-
11-13	12,790,228	2,428,377	19	13,870	0	2,414,507-	19-
12-14	8,329,300	1,057,958	13	333	0	1,057,624-	13-
13-15	9,176,098	1,089,058	12	111	0	1,088,947-	12-
14-16	14,332,213	2,006,699	14	111	0	2,006,588-	14-
15-17	14,864,007	2,312,434	16	111	0	2,312,323-	16-
FIVE-YEA	R AVERAGE						
13-17	11,772,360	1,722,579	15	67	0	1,722,512-	15-



ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	289,658	72,337	25		0	72,337-	25-
1993	412,848	76	0		0	76-	0
1994	1,386,485	93,868	7		0	93,868-	7 –
1995	508,660	36,423	7	12,588	2	23,836-	5-
1996	244,929	130,636	53	13,105	5	117,531-	48-
1997	475,482	12,668	3	1,265-	0	13,934-	3 –
1998	158,062-	10,694-	- 7		0	10,694	7 –
1999	32,905		0		0		0
2000	299,691	14,119	5		0	14,119-	5-
2001	390,360	4,967	1		0	4,967-	1-
2002	477,617	185,055	39	46,875	10	138,180-	29-
2003	2,193,465	489,636	22	5,000	0	484,636-	22-
2004	1,573,208	94,577	6		0	94,577-	6-
2005	854,780	61,181	7		0	61,181-	7 –
2006	663,001	216,105	33		0	216,105-	33-
2007	648,994	79,163	12	3,333	1	75,830-	12-
2008	958,906	132,471	14		0	132,471-	14-
2009	844,886	290,810	34		0	290,810-	34-
2010	1,493,361	259,025	17		0	259,025-	17-
2011	572,412	651,485	114	18,000	3	633,485-	111-
2012	1,193,736	240,714	20		0	240,714-	20-
2013	530,641	62,084	12	119,481	23	57,396	11
2014	638,385	311,903	49		0	311,903-	49-
2015	387,563	98,563	25		0	98,563-	25-
2016	1,348,116	210,565	16		0	210,565-	16-
2017	1,898,956	319,300	17		0	319,300-	17-
TOTAL	20,160,984	4,057,039	20	217,116	1	3,839,923-	19-
THREE-YE.	AR MOVING AVERAGE	ES					
92-94	696,331	55,427	8		0	55,427-	8 –
93-95	769,331	43,456	6	4,196	1	39,260-	5-
94-96	713,358	86,976	12	8,564	1	78,412-	11-
95-97	409,690	59,909	15	8,142	2	51,767-	13-
96-98	187,450	44,203	24	3,947	2	40,257-	21-
97-99	116,775	658	1	422-	0	1,080-	1-
98-00	58,178	1,142	2		0	1,142-	2-
99-01	240,985	6,362	3		0	6,362-	3 –
00-02	389,223	68,047	17	15,625	4	52,422-	13-
01-03	1,020,481	226,553	22	17,292	2	209,261-	21-
02-04	1,414,763	256,423	18	17,292	1	239,131-	17-
03-05	1,540,484	215,131	14	1,667	0	213,465-	14-



ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	5					
04-06	1,030,329	123,954	12		0	123,954-	12-
05-07	722,258	118,816	16	1,111	0	117,705-	16-
06-08	756,967	142,580	19	1,111	0	141,468-	19-
07-09	817,595	167,482	20	1,111	0	166,370-	20-
08-10	1,099,051	227,435	21		0	227,435-	21-
09-11	970,220	400,440	41	6,000	1	394,440-	41-
10-12	1,086,503	383,741	35	6,000	1	377,741-	35-
11-13	765,596	318,094	42	45,827	6	272,268-	36-
12-14	787,587	204,901	26	39,827	5	165,074-	21-
13-15	518,863	157,517	30	39,827	8	117,690-	23-
14-16	791,355	207,010	26		0	207,010-	26-
15-17	1,211,545	209,476	17		0	209,476-	17-
F.TAE-AEV	R AVERAGE						
13-17	960,732	200,483	21	23,896	2	176,587-	18-



ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	1,089,698	24,876	2	27,744	3	2,867	0
1993	646,118	25,252	4	992	0	24,260-	4-
1994	950,212	7,339	1	171,682	18	164,343	17
1995	278,044	43,800	16	1,022-	0	44,822-	16-
1996	48,659	15,499	32	20,607	42	5,108	10
1997	754,465	45,579	6	2,462	0	43,117-	6-
1998	86,048	3,495-	4 –	62,341	72	65,836	77
1999	23,403	542	2		0	542-	2-
2000	126,651	4,218	3		0	4,218-	3 –
2001	29,274	7,663	26		0	7,663-	26-
2002	1,445,708	369,412	26		0	369,412-	26-
2003	292,731	5,183	2		0	5,183-	2-
2004	282,209	7,722	3	4,355	2	3,366-	1-
2005	82,607	6,669	8		0	6,669-	8 –
2006	61,136	1,017	2		0	1,017-	2-
2007	309,316	92,797	30	867	0	91,931-	30-
2008	89,688	9,514	11	178	0	9,336-	10-
2009	641,257	84,308	13	8,000	1	76,308-	12-
2010	238,492	25,864	11		0	25,864-	11-
2011	238,599	113,292	47		0	113,292-	47-
2012	165,385	6,462	4		0	6,462-	4 –
2013	2,327,900	4,331	0		0	4,331-	0
2014	63,924		0		0		0
2015	20,614	1,157	6		0	1,157-	6-
2016	49,034		0		0		0
2017	427,798	33,471	8		0	33,471-	8-
TOTAL	10,768,970	932,473	9	298,205	3	634,267-	6-
THREE-YE.	AR MOVING AVERAG	ES					
92-94	895,343	19,156	2	66,806	7	47,650	5
93-95	624,791	25,464	4	57,217	9	31,753	5
94-96	425,638	22,213	5	63,756	15	41,543	10
95-97	360,389	34,959	10	7,349	2	27,610-	8 –
96-98	296,390	19,194	6	28,470	10	9,276	3
97-99	287,972	14,209	5	21,601	8	7,392	3
98-00	78,701	422	1	20,780	26	20,359	26
99-01	59,776	4,141	7		0	4,141-	7 –
00-02	533,878	127,097	24		0	127,097-	24-
01-03	589,238	127,419	22		0	127,419-	22-
02-04	673,549	127,439	19	1,452	0	125,987-	19-
03-05	219,182	6,524	3	1,452	1	5,073-	2-



ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
04-06	141,984	5,136	4	1,452	1	3,684-	3 –
05-07	151,020	33,494	22	289	0	33,205-	22-
06-08	153,380	34,443	22	348	0	34,095-	22-
07-09	346,754	62,207	18	3,015	1	59,192-	17-
08-10	323,146	39,895	12	2,726	1	37,169-	12-
09-11	372,783	74,488	20	2,667	1	71,821-	19-
10-12	214,159	48,539	23		0	48,539-	23-
11-13	910,628	41,362	5		0	41,362-	5-
12-14	852,403	3,598	0		0	3,598-	0
13-15	804,146	1,829	0		0	1,829-	0
14-16	44,524	386	1		0	386-	1-
15-17	165,815	11,543	7		0	11,543-	7 –
FIVE-YEA	R AVERAGE						
13-17	577,854	7,792	1		0	7,792-	1-



ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL	PCT	GROSS SALVAGE	PCT	NET SALVAGE AMOUNT	PCT
		AMOUNT		AMOUNT			
1992	149,245	178,444			0	178,444-	
1993	109,891	68,312	62	1,736	2	66,576-	61-
1994	371,519	144,121	39		0	144,121-	39-
1995	101,508	126,108	124		0	126,108-	124-
1996	54,144	104,738	193		0	104,738-	193-
1997	15,116	41,986	278		0	41,986-	278-
1998	36,175	7,060	20		0	7,060-	20-
1999	32,853	2,420	7		0	2,420-	7 –
2000							
2001	113,047	21,414	19		0	21,414-	19-
2002	243,069	5,267	2		0	5,267-	2-
2003	113,440	86,000	76		0	86,000-	76-
2004	78,404	32,165	41		0	32,165-	41-
2005	50,091	9,683	19		0	9,683-	19-
2006	97,404	18,203	19		0	18,203-	19-
2007	59,912	63,761	106		0	63,761-	106-
2008	135,019	64,379	48		0	64,379-	48-
2009	447,571	211,994	47		0	211,994-	47-
2010	693,526	207,309	30	4,250	1	203,059-	29-
2011	502,037	219,714	44		0	219,714-	44-
2012	506,154	182,021	36	3,321	1	178,700-	35-
2013	372,676	249,890	67	•	0	249,890-	67-
2014	3,275,046	428,842	13	250	0	428,592-	13-
2015	363,708	93,300	26		0	93,300-	26-
2016	140,271	3,252	2		0	3,252-	2-
2017	132,390	126,441	96		0	126,441-	96-
TOTAL	8,194,217	2,696,826	33	9,557	0	2,687,268-	33-
THREE-VE	AR MOVING AVERAG	ES					
				550	0	100 514	60
92-94	210,218	130,292	62	579	0	129,714-	62-
93-95	194,306	112,847	58	579	0	112,268-	58-
94-96	175,724	124,989	71		0	124,989-	71-
95-97	56,923	90,944	160		0	90,944-	
96-98	35,145	51,262	146		0	51,262-	
97-99	28,048	17,155	61		0	17,155-	61-
98-00	23,009	3,160	14		0	3,160-	14-
99-01	48,633	7,945	16		0	7,945-	16-
00-02	118,705	8,894	7		0	8,894-	7 –
01-03	156,519	37,560	24		0	37,560-	24-
02-04	144,971	41,144	28		0	41,144-	28-
03-05	80,645	42,616	53		0	42,616-	53-



ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES						
04-06	75,300	20,017	27		0	20,017-	27-
05-07	69,136	30,549	44		0	30,549-	44-
06-08	97,445	48,781	50		0	48,781-	50-
07-09	214,168	113,378	53		0	113,378-	53-
08-10	425,372	161,227	38	1,417	0	159,811-	38-
09-11	547,711	213,006	39	1,417	0	211,589-	39-
10-12	567,239	203,015	36	2,524	0	200,491-	35-
11-13	460,289	217,208	47	1,107	0	216,101-	47-
12-14	1,384,625	286,918	21	1,190	0	285,727-	21-
13-15	1,337,143	257,344	19	83	0	257,261-	19-
14-16	1,259,675	175,131	14	83	0	175,048-	14-
15-17	212,123	74,331	35		0	74,331-	35-
FIVE-YEA	R AVERAGE						
13-17	856,818	180,345	21	50	0	180,295-	21-



ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	553,900	345,325	62	136	0	345,188-	62-
1992	221,250	785,601	355	130	0	785,601-	
						546,601-	
1994	249,881	546,601	219		0		36-
1995	248,546	88,311	36		0	88,311-	
1996	160,976	128,242	80 1 E		0	128,242-	
1997	154,444	23,830	15		0	23,830-	15-
1998	116,837	383,107	328		0	383,107-	
1999	164,598	83,637	51		0	83,637-	51-
2000	145 200	354,274	404		0	354,274-	404
2001	145,390	588,100	404	50.656	0	588,100-	
2002	1,352,203	179,273	13	59,656	4	119,617-	9-
2003	108,627	17,849	16		0	17,849-	
2004	330,064	191,680	58	27	0	191,652-	
2005	866,776	850,611	98		0	850,611-	
2006	2,218,612	116,031	5		0	116,031-	5-
2007	108,233	47,155	44	23,750	22	23,405-	22-
2008	230,054	123,793	54		0	123,793-	54-
2009	635,423	189,287	30		0	189,287-	30-
2010	801,728	650,711	81		0	650,711-	81-
2011	523,000	812,473	155	711	0	811,762-	155-
2012	1,842,803	1,593,727	86		0	1,593,727-	86-
2013	4,009,519	635,609	16		0	635,609-	16-
2014	1,503,256	1,118,110	74		0	1,118,110-	74-
2015	1,350,378	1,025,132	76		0	1,025,132-	76-
2016	751,463	333,327	44		0	333,327-	44-
2017	1,024,883	275,396	27		0	275,396-	27-
TOTAL	19,672,844	11,487,192	58	84,281	0	11,402,911-	58-
THREE-YE	AR MOVING AVERAG	BES					
92-94	341,677	559,176	164	45	0	559,130-	164-
93-95	239,892	473,504	197		0	473,504-	197-
94-96	219,801	254,385	116		0	254,385-	116-
95-97	187,989	80,127	43		0	80,127-	43-
96-98	144,086	178,393	124		0	178,393-	124-
97-99	145,293	163,524	113		0	163,524-	113-
98-00	93,812	273,672	292		0	273,672-	292-
99-01	103,329	342,004	331		0	342,004-	331-
00-02	499,198	373,882	75	19,885	4	353,997-	71-
01-03	535,407	261,741	49	19,885	4	241,855-	45-
02-04	596,965	129,600	22	19,894	3	109,706-	18-
03-05	435,156	353,380	81	9	0	353,371-	81-
	•	•				•	



ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	S					
04-06	1,138,484	386,107	34	9	0	386,098-	34-
05-07	1,064,540	337,932	32	7,917	1	330,016-	31-
06-08	852,300	95,660	11	7,917	1	87,743-	10-
07-09	324,570	120,078	37	7,917	2	112,162-	35-
08-10	555,735	321,264	58		0	321,264-	58-
09-11	653,384	550,824	84	237	0	550,587-	84-
10-12	1,055,844	1,018,971	97	237	0	1,018,734-	96-
11-13	2,125,107	1,013,936	48	237	0	1,013,699-	48-
12-14	2,451,859	1,115,815	46		0	1,115,815-	46-
13-15	2,287,718	926,284	40		0	926,284-	40-
14-16	1,201,699	825,523	69		0	825,523-	69-
15-17	1,042,241	544,618	52		0	544,618-	52-
FIVE-YEA	R AVERAGE						
13-17	1,727,900	677,515	39		0	677,515-	39-



ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

VEAD	REGULAR	COST OF REMOVAL	D.CIII	GROSS SALVAGE	D.CIII	NET SALVAGE	DOM
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	112,981	54,310	48		0	54,310-	
1993	146,160	36,587	25		0	36,587-	
1994	266,058	604,695	227		0	604,695-	227-
1995	180,863	299,317	165		0	299,317-	165-
1996	264,285	23,534	9	2,044	1	21,490-	8 –
1997	110,640	203,950	184		0	203,950-	184-
1998	170,754	7,282	4		0	7,282-	4 –
1999	39,415	10,890	28		0	10,890-	28-
2000							
2001	381,386	25,964	7		0	25,964-	7 –
2002	795,396	158,640	20	218,500	27	59,860	8
2003	18,308		0		0		0
2004	576,773	540,682	94	15,550	3	525,132-	91-
2005	759,613	504,820	66	3,540	0	501,280-	66-
2006	185,900	508,852	274		0	508,852-	274-
2007	155,308	356,648	230		0	356,648-	230-
2008	442,202	484,759	110	3,015	1	481,744-	109-
2009	1,767,745	516,353	29		0	516,353-	29-
2010	779,154	181,037	23		0	181,037-	23-
2011	1,894,255	412,936	22	12,852	1	400,084-	21-
2012	81,133	48,185	59		0	48,185-	59-
2013	292,683	114,324	39		0	114,324-	39-
2014	1,332,268	306,427	23		0	306,427-	23-
2015	98,666	25,692	26		0	25,692-	26-
2016	119,400	81,488	68		0	81,488-	68-
2017	316,482	271,769	86		0	271,769-	86-
TOTAL	11,287,829	5,779,141	51	255,502	2	5,523,640-	49-
THREE-YE	AR MOVING AVERAG	ES					
92-94	175,067	231,864	132		0	231,864-	132-
93-95	197,694	313,533	159		0	313,533-	159-
94-96	237,069	309,182	130	681	0	308,501-	130-
95-97	185,263	175,600	95	681	0	174,919-	94-
96-98	181,893	78,255	43	681	0	77,574-	43-
97-99	106,936	74,041	69		0	74,041-	69-
98-00	70,056	6,057	9		0	6,057-	9-
99-01	140,267	12,285	9		0	12,285-	9 –
00-02	392,261	61,535	16	72,833	19	11,299	3
01-03	398,363	61,535	15	72,833	18	11,299	3
02-04	463,492	233,108	50	78,017	17	155,091-	33-
03-05	451,565	348,501	77	6,363	1	342,138-	76-



ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES	}					
04-06	507,429	518,118	102	6,363	1	511,755-	101-
05-07	366,940	456,773	124	1,180	0	455,593-	124-
06-08	261,136	450,086	172	1,005	0	449,081-	172-
07-09	788,418	452,587	57	1,005	0	451,582-	57-
08-10	996,367	394,050	40	1,005	0	393,045-	39-
09-11	1,480,385	370,109	25	4,284	0	365,825-	25-
10-12	918,181	214,053	23	4,284	0	209,769-	23-
11-13	756,024	191,815	25	4,284	1	187,531-	25-
12-14	568,695	156,312	27		0	156,312-	27-
13-15	574,539	148,814	26		0	148,814-	26-
14-16	516,778	137,869	27		0	137,869-	27-
15-17	178,183	126,316	71		0	126,316-	71-
FIVE-YEA	R AVERAGE						
13-17	431,900	159,940	37		0	159,940-	37-



ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	79,208	7,498	9		0	7,498-	9 –
1993	80,798	6,634	8		0	6,634-	8 –
1994	32,541	59,296	182		0	59,296-	182-
1995	114,565	8,255	7	200	0	8,055-	7 –
1996	15,356	8,779	57		0	8,779-	57-
1997		15,177				15,177-	
1998	59,599	9,720	16		0	9,720-	16-
1999	21,806	2,178	10		0	2,178-	10-
2000							
2001	70,180	3,540	5		0	3,540-	5-
2002	455,627	19,214	4	500	0	18,714-	4 –
2003	476,554	5,000	1		0	5,000-	1-
2004	208,669	99,501	48	3,600	2	95,901-	46-
2005	182,971	319,041	174	300	0	318,741-	174-
2006	265,226	3,182	1		0	3,182-	1-
2007	324,445	19,216	6		0	19,216-	6-
2008	645,786	71,500	11		0	71,500-	
2009	854,454	147,232	17	3,424	0	143,808-	17-
2010	482,085	32,516	7		0	32,516-	7 –
2011	402,965	77,819	19	2,620	1	75,200-	19-
2012	103,237	309,763	300		0	309,763-	300-
2013	445,971	142,924	32		0	142,924-	32-
2014	578,730	55,653	10		0	55,653-	10-
2015	2,381,116	200,242	8		0	200,242-	8 –
2016	328,282	55,845	17		0	55,845-	17-
2017	241,543	31,610	13	3,600	1	28,010-	12-
TOTAL	8,851,717	1,711,335	19	14,244	0	1,697,091-	19-
THREE-YE	AR MOVING AVERAG	ES					
92-94	64,182	24,476	38		0	24,476-	38-
93-95	75,968	24,728	33	67	0	24,661-	32-
94-96	54,154	25,443	47	67	0	25,377-	47-
95-97	43,307	10,737	25	67	0	10,670-	25-
96-98	24,985	11,226	45		0	11,226-	45-
97-99	27,135	9,025	33		0	9,025-	33-
98-00	27,135	3,966	15		0	3,966-	15-
99-01	30,662	1,906	6		0	1,906-	6-
00-02	175,269	7,585	4	167	0	7,418-	4-
01-03	334,120	9,251	3	167	0	9,085-	3 –
02-04	380,283	41,238	11	1,367	0	39,872-	10-
03-05	289,398	141,181	49	1,300	0	139,881-	48-



ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES	3					
04-06	218,956	140,575	64	1,300	1	139,275-	64-
05-07	257,548	113,813	44	100	0	113,713-	44-
06-08	411,819	31,299	8		0	31,299-	8 –
07-09	608,228	79,316	13	1,141	0	78,175-	13-
08-10	660,775	83,749	13	1,141	0	82,608-	13-
09-11	579,835	85,856	15	2,015	0	83,841-	14-
10-12	329,429	140,033	43	873	0	139,160-	42-
11-13	317,391	176,835	56	873	0	175,962-	55-
12-14	375,979	169,447	45		0	169,447-	45-
13-15	1,135,272	132,940	12		0	132,940-	12-
14-16	1,096,043	103,913	9		0	103,913-	9 –
15-17	983,647	95,899	10	1,200	0	94,699-	10-
FIVE-YEA	R AVERAGE						
13-17	795,128	97,255	12	720	0	96,535-	12-



ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	3,122	5,902	189	14	0	5,888-	189-
1993	43,545		0	14-	0	14-	0
1994	16,497	824	5		0	824-	5-
1995	5,056	242	5		0	242-	5-
1996	7,450	235	3		0	235-	3-
1997							
1998	1,301		0		0		0
1999							
2000							
2001	878		0		0		0
2002	34,702		0		0		0
2003	,						
2004	667		0		0		0
2005							
2006	5,791	986	17		0	986-	17-
2007	10,452	2,078	20		0	2,078-	20-
2008	26,461	•	0		0	,	0
2009	25,810	4,637	18		0	4,637-	18-
2010	27,742	3,767	14		0	3,767-	14-
2011	50,626	23,562	47	14	0	23,548-	47-
2012	13,203	15,326			0	15,326-	
2013	143	,	0		0		0
2014	3,819		0		0		0
2015	251		0		0		0
2016	979		0		0		0
2017	3,563		0		0		0
TOTAL	282,059	57,557	20	14	0	57,543-	20-
THREE-YE	CAR MOVING AVERAGES	3					
92-94	21,055	2,242	11		0	2,242-	11-
93-95	21,699	355	2	5-	0	360-	2-
94-96	9,668	433	4		0	433-	4 –
95-97	4,169	159	4		0	159-	4 –
96-98	2,917	78	3		0	78-	3 –
97-99	434		0		0		0
98-00	434		0		0		0
99-01	293		0		0		0
00-02	11,860		0		0		0
01-03	11,860		0		0		0
02-04	11,790		0		0		0
03-05	222		0		0		0



ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	CAR MOVING AVERAGES	5					
04-06	2,153	329	15		0	329-	15-
05-07	5,414	1,021	19		0	1,021-	19-
06-08	14,235	1,021	7		0	1,021-	7-
07-09	20,908	2,238	11		0	2,238-	11-
08-10	26,671	2,801	11		0	2,801-	11-
09-11	34,726	10,655	31	5	0	10,650-	31-
10-12	30,524	14,218	47	5	0	14,214-	47-
11-13	21,324	12,963	61	5	0	12,958-	61-
12-14	5,722	5,109	89		0	5,109-	89-
13-15	1,404		0		0		0
14-16	1,683		0		0		0
15-17	1,598		0		0		0
FIVE-YEA	AR AVERAGE						
13-17	1,751		0		0		0



ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	1,541	9,421	611		0	9,421-	611-
1993	580	1,176	203		0	1,176-	203-
1994	17,103		0		0		0
1995		5,741				5,741-	
1996							
1997							
1998	2,889		0		0		0
1999							
2000							
2001	100,435	2,529	3		0	2,529-	3-
2002	51,081	69,990	137		0	69,990-	137-
2003	29,615	41,200	139		0	41,200-	
2004	9,545	16,912	177		0	16,912-	
2005	105,188	70,402	67		0	70,402-	67-
2006	2,989	119,320			0	119,320-	
2007	3,505	418	12		0	418-	12-
2008	34,231	17,368	51		0	17,368-	51-
2009	217,394	90,531	42		0	90,531-	42-
2010	49,231	14,831	30		0	14,831-	30-
2011	67,356	32,963	49	434	1	32,529-	48-
2012	13,966	24,335	174		0	24,335-	
2013	278,897	140,288	50		0	140,288-	50-
2014	6,502	,	0		0	,	0
2015	56,611	55,151	97		0	55,151-	97-
2016	195,953	378,740	193		0	378,740-	
2017	26,206	68,757	262		0	68,757-	
TOTAL	1,270,818	1,160,073	91	434	0	1,159,639-	91-
TUDEE_VE	AR MOVING AVERAG	ir c					
92-94	6,408	3,532	55		0	3,532-	55-
93-95	5,894	2,306	39		0	2,306-	39-
94-96	5,701	1,914	34		0	1,914-	34-
95-97		1,914				1,914-	
96-98	963		0		0		0
97-99	963		0		0		0
98-00	963		0		0		0
99-01	33,478	843	3		0	843-	3 –
00-02	50,505	24,173	48		0	24,173-	48-
01-03	60,377	37,906	63		0	37,906-	63-
02-04	30,080	42,701	142		0	42,701-	
03-05	48,116	42,838	89		0	42,838-	89-



ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
04-06	39,241	68,878	176		0	68,878-	176-
05-07	37,227	63,380	170		0	63,380-	170-
06-08	13,575	45,702	337		0	45,702-	337-
07-09	85,043	36,106	42		0	36,106-	42-
08-10	100,285	40,910	41		0	40,910-	41-
09-11	111,327	46,108	41	145	0	45,964-	41-
10-12	43,518	24,043	55	145	0	23,898-	55-
11-13	120,073	65,862	55	145	0	65,717-	55-
12-14	99,788	54,874	55		0	54,874-	55-
13-15	114,003	65,146	57		0	65,146-	57-
14-16	86,355	144,630	167		0	144,630-	167-
15-17	92,923	167,549	180		0	167,549-	180-
FIVE-YEAD	R AVERAGE						
13-17	112,834	128,587	114		0	128,587-	114-



ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT	PCT
1994	8,641		0	0		0
1995	0,011		Ü	· ·		· ·
1996	7,173		0	0		0
1997	.,=					
1998						
1999						
2000						
2001						
2002						
2003						
2004						
2005	827	483	58	0	483-	58-
2006	2,184	2,023	93	0	2,023-	93-
2007						
2008	4,827	10,253	212	0	10,253-	212-
2009	37,255	3,997	11	0	3,997-	11-
2010						
2011	715,094		0	0		0
2012	27,195	59,806	220	0	59,806-	220-
2013						
2014	28,955	13,689	47	0	13,689-	47-
2015	96,491	13,334	14	0	13,334-	14-
2016	14,773	8,159	55	0	8,159-	55-
2017	179,055	123,950	69	0	123,950-	69-
TOTAL	1,122,470	235,694	21	0	235,694-	21-
THREE-YE	CAR MOVING AVERAC	GES				
94-96	5,271		0	0		0
95-97	2,391		0	0		0
96-98	2,391		0	0		0
97-99						
98-00						
99-01						
00-02						
01-03						
02-04						
03-05	276	161	58	0	161-	58-
04-06	1,004	835	83	0	835-	83-
05-07	1,004	835	83	0	835-	83-
06-08	2,337	4,092	175	0	4,092-	175-
07-09	14,027	4,750	34	0	4,750-	34-



ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS	NET
	REGULAR	REMOVAL		SALVAGE	SALVAGE
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT PCT
THREE-YEA	AR MOVING AVERAGES	5			
08-10	14,027	4,750	34	0	4,750- 34-
09-11	250,783	1,332	1	0	1,332- 1-
10-12	247,430	19,935	8	0	19,935- 8-
11-13	247,430	19,935	8	0	19,935- 8-
12-14	18,717	24,498	131	0	24,498- 131-
13-15	41,815	9,008	22	0	9,008- 22-
14-16	46,740	11,727	25	0	11,727- 25-
15-17	96,773	48,481	50	0	48,481- 50-
FIVE-YEAR	R AVERAGE				
13-17	63,855	31,826	50	0	31,826- 50-



ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

		COST OF		GROSS	NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT PCT	SALVAGE AMOUNT	PCT
2008	102,180	31,431	31	0	31,431-	
2009	102,100	31,131	31	Ü	51,151	31
2010						
2011	121,339		0	0		0
2012	106,690	15,903	15	0	15,903-	15-
2013	30,898	5,149	17	0	5,149-	17-
2014	209,679	10,809	5	0	10,809-	
2015	159,729	5,255	3	0	5,255-	3 –
2016	401,147		0	0		0
2017	49		0	0		0
TOTAL	1,131,711	68,547	6	0	68,547-	6-
THREE-YE	AR MOVING AVERAG	ES				
08-10	34,060	10,477	31	0	10,477-	31-
09-11	40,446		0	0		0
10-12	76,010	5,301	7	0	5,301-	7 –
11-13	86,309	7,017	8	0	7,017-	8 –
12-14	115,756	10,620	9	0	10,620-	9 –
13-15	133,435	7,071	5	0	7,071-	5 –
14-16	256,852	5,355	2	0	5,355-	
15-17	186,975	1,752	1	0	1,752-	1-
FIVE-YEA	R AVERAGE					
13-17	160,300	4,243	3	0	4,243-	3-
10 11	100,500	1,213	J	0	1,213	5



ACCOUNT 343 PRIME MOVERS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	18,404		0	86,000-	467-	86,000-	467-
1993	·						
1994							
1995							
1996	12,613		0		0		0
1997							
1998							
1999							
2000							
2001							
2002	1,451,836	26,250	2		0	26,250-	2-
2003		•				•	
2004	5,148		0		0		0
2005	66,839	57,535	86		0	57,535-	86-
2006	5,451,006	83,310	2		0	83,310-	2-
2007	4,287,062	66,212	2		0	66,212-	2-
2008	4,265,273	188,869	4		0	188,869-	4-
2009	18,509,724	651,498	4		0	651,498-	4-
2010	2,854,966	617,478	22		0	617,478-	22-
2011	13,184,530	2,074,404	16		0	2,074,404-	16-
2012	13,806,464	729,976	5	308,046	2	421,930-	3-
2013	11,741,793	2,421,655	21	300,010	0	2,421,655-	21-
2014	7,823,007	2,707,629	35	266,672	3	2,440,957-	31-
2015	46,139,503	4,487,952	10	12,500	0	4,475,452-	10-
2016	57,604,050	2,773,767	5	67,500	0	2,706,267-	5-
2017	5,161,806	537,667	10	07,000	0	537,667-	10-
TOTAL	192,384,023	17,424,203	9	568,718	0	16,855,485-	9-
THREE-YE	AR MOVING AVERA	GES					
92-94	6,135		0	28,667-	467-	28,667-	467-
93-95	0,-00		_				
94-96	4,204		0		0		0
95-97	4,204		0		0		0
96-98	4,204		0		0		0
97-99	-,		_				
98-00							
99-01							
00-02	483,945	8,750	2		0	8,750-	2-
01-03	483,945	8,750	2		0	8,750-	2-
02-04	485,661	8,750	2		0	8,750-	2-
03-05	23,996	19,178	80		0	19,178-	80-
	_0,000		3 0		ŭ		- 0



ACCOUNT 343 PRIME MOVERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	ES					
04-06	1,840,998	46,948	3		0	46,948-	3 –
05-07	3,268,302	69,019	2		0	69,019-	2-
06-08	4,667,780	112,797	2		0	112,797-	2-
07-09	9,020,686	302,193	3		0	302,193-	3 –
08-10	8,543,321	485,949	6		0	485,949-	6-
09-11	11,516,407	1,114,460	10		0	1,114,460-	10-
10-12	9,948,653	1,140,620	11	102,682	1	1,037,938-	10-
11-13	12,910,929	1,742,012	13	102,682	1	1,639,330-	13-
12-14	11,123,755	1,953,087	18	191,573	2	1,761,514-	16-
13-15	21,901,434	3,205,745	15	93,057	0	3,112,688-	14-
14-16	37,188,853	3,323,116	9	115,557	0	3,207,558-	9-
15-17	36,301,786	2,599,795	7	26,667	0	2,573,128-	7 –
FIVE-YEA	R AVERAGE						
13-17	25,694,032	2,585,734	10	69,334	0	2,516,399-	10-



ACCOUNT 344 GENERATORS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1993	40,804		0		0		0
1994	10,001		O		O		O
1995							
1996							
1997							
1998							
1999							
2000							
2001							
2002	44,282		0		0		0
2003	1,107,095		0		0		0
2004							
2005	39,047		0		0		0
2006	535,937	95,788	18		0	95,788-	18-
2007	27,169		0		0		0
2008	11,373		0		0		0
2009		21,231				21,231-	
2010	692,131	658,629	95		0	658,629-	95-
2011	3,221,924	113,784	4		0	113,784-	4-
2012	718,518	12,713	2		0	12,713-	2-
2013	1,083,879	470,815	43		0	470,815-	43-
2014	1,410,829	555,526	39	109,511	8	446,014-	32-
2015	2,314,216	745,681	32		0	745,681-	32-
2016	858,593	110,072	13		0	110,072-	13-
2017	1,882,804	117,319	6	35,844	2	81,474-	4 –
TOTAL	13,988,600	2,901,557	21	145,356	1	2,756,201-	20-
THREE-YE	EAR MOVING AVERAG	ES					
93-95	13,601		0		0		0
94-96							
95-97							
96-98							
97-99							
98-00							
99-01							
00-02	14,761		0		0		0
01-03	383,792		0		0		0
02-04	383,792		0		0		0
03-05	382,047		0		0		0
04-06	191,661	31,929	17		0	31,929-	17-
05-07	200,717	31,929	16		0	31,929-	16-



ACCOUNT 344 GENERATORS

	DECLIE AD	COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEA	AR MOVING AVERAGE	ES					
06-08	191,493	31,929	17		0	31,929-	17-
07-09	12,847	7,077	55		0	7,077-	55-
08-10	234,501	226,620	97		0	226,620-	97-
09-11	1,304,685	264,548	20		0	264,548-	20-
10-12	1,544,191	261,708	17		0	261,708-	17-
11-13	1,674,774	199,104	12		0	199,104-	12-
12-14	1,071,075	346,351	32	36,504	3	309,847-	29-
13-15	1,602,975	590,674	37	36,504	2	554,170-	35-
14-16	1,527,879	470,426	31	36,504	2	433,922-	28-
15-17	1,685,204	324,357	19	11,948	1	312,409-	19-
FIVE-YEAR	R AVERAGE						
13-17	1,510,064	399,882	26	29,071	2	370,811-	25-



ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2003	4,920		0		0		0
2004	,						
2005	1,081	6,141	568		0	6,141-	568-
2006	42,252		0		0		0
2007							
2008	164,618	24,356	15	18,562	11	5,794-	4-
2009	39,889		0		0		0
2010	15,301		0		0		0
2011	279,783	4,218	2		0	4,218-	2-
2012	275,268	9,532	3		0	9,532-	3-
2013	295,330	58,220	20		0	58,220-	20-
2014	279,476	39,662	14		0	39,662-	14-
2015	314,011	76,281	24		0	76,281-	24-
2016	448,334	27,623	6		0	27,623-	6-
2017	1,211,192	32,042	3		0	32,042-	3-
TOTAL	3,371,454	278,075	8	18,562	1	259,513-	8-
THREE-YE.	AR MOVING AVERAG	ES					
03-05	2,000	2,047	102		0	2,047-	102-
04-06	14,444	2,047	14		0	2,047-	14-
05-07	14,444	2,047	14		0	2,047-	14-
06-08	68,957	8,119	12	6,187	9	1,931-	3-
07-09	68,169	8,119	12	6,187	9	1,931-	3-
08-10	73,269	8,119	11	6,187	8	1,931-	3-
09-11	111,658	1,406	1		0	1,406-	1-
10-12	190,117	4,583	2		0	4,583-	2-
11-13	283,460	23,990	8		0	23,990-	8 –
12-14	283,358	35,805	13		0	35,805-	13-
13-15	296,272	58,055	20		0	58,055-	20-
14-16	347,273	47,855	14		0	47,855-	14-
15-17	657,845	45,315	7		0	45,315-	7-
FIVE-YEA	R AVERAGE						
13-17	509,668	46,766	9		0	46,766-	9-



ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

	REGULAR	COST OF REMOVAL	D.GIE	GROSS SALVAGE	D.G.E.	NET SALVAGE	D GE
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2010	732		0		0		0
2011	62,570	1,032	2		0	1,032-	2-
2012	59,906		0		0		0
2013	2,966		0		0		0
2014	43,483	1,556	4	7,482	17	5,926	14
2015							
2016							
2017	45,493		0		0		0
TOTAL	215,150	2,588	1	7,482	3	4,894	2
THREE-YEA	AR MOVING AVERAG	ES					
10-12	41,069	344	1		0	344-	1-
11-13	41,814	344	1		0	344-	1-
12-14	35,452	519	1	2,494	7	1,975	6
13-15	15,483	519	3	2,494	16	1,975	13
14-16	14,494	519	4	2,494	17	1,975	14
15-17	15,164		0		0		0
FIVE-YEAR	R AVERAGE						
13-17	18,388	311	2	1,496	8	1,185	6



ACCOUNT 350.20 LAND RIGHTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	631,831	7,705	1	160	0	7,545-	1-
1993	23,815	528	2	5	0	523-	2-
1994	•						
1995	1,352	86	6		0	86-	6-
1996	•						
1997	2,730	506	19	485	18	21-	1-
1998	160,953		0		0		0
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007	87,471		0		0		0
2008	787		0		0		0
2009	222,833		0		0		0
2010	30,427		0		0		0
2011							
2012	54,824		0		0		0
2013	10,992	9,681	88		0	9,681-	88-
2014							
2015							
2016							
2017							
TOTAL	1,228,015	18,507	2	650	0	17,857-	1-
THREE-YE	AR MOVING AVERAG	ES					
92-94	218,549	2,744	1	55	0	2,689-	1-
93-95	8,389	205	2	2	0	203-	2-
94-96	451	29	6		0	29-	6-
95-97	1,361	198	15	162	12	36-	3 –
96-98	54,561	169	0	162	0	7 –	0
97-99	54,561	169	0	162	0	7-	0
98-00	53,651		0		0		0
99-01							
00-02							
01-03							
02-04							
03-05							



ACCOUNT 350.20 LAND RIGHTS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE	:	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEA	AR MOVING AVERAGES						
04-06							
05-07	29,157		0		0		0
06-08	29,419		0		0		0
07-09	103,697		0		0		0
08-10	84,682		0		0		0
09-11	84,420		0		0		0
10-12	28,417		0		0		0
11-13	21,938	3,227	15		0	3,227-	15-
12-14	21,938	3,227	15		0	3,227-	15-
13-15	3,664	3,227	88		0	3,227-	88-
14-16							
15-17							
FIVE-YEAR	R AVERAGE						
13-17	2,198	1,936	88		0	1,936-	88-



ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	8,700	3,297	38		0	3,297-	38-
1993	11,092-	6,679			0	6,679-	
1994	41,269	11,029	27		0	11,029-	27-
1995	2,845-		365-		0	10,370-	
1996	98,649	130,563			0	130,563-	
1997	71,369	8,672	12		0	8,672-	
1998	346,716	353	0		0	353-	0
1999	3107710	333	Ü		Ü	333	Ü
2000	7,962		0		0		0
2001	87,371	8,667	10		0	8,667-	10-
2002	47,480	3,340	7		0	3,340-	7-
2003	35,387	, , ,	0		0	, , ,	0
2004	44,659		0		0		0
2005	156,534	3,502	2		0	3,502-	2-
2006	50,747	3,132	6		0	3,132-	
2007	97,518	6,665	7		0	6,665-	7-
2008	87,938	153,930	175		0	153,930-	175-
2009	119,438	72,148	60		0	72,148-	60-
2010	111,471	4,779	4		0	4,779-	4-
2011	199,826	76,406	38		0	76,406-	38-
2012	421,608	373,910	89		0	373,910-	89-
2013	337,828	45,946	14		0	45,946-	14-
2014	194,688	44,348	23	17,058	9	27,290-	14-
2015	584,617	31,257	5		0	31,257-	5 –
2016	52,695	396	1		0	396-	1-
2017	174,601	6,755	4		0	6,755-	4-
TOTAL	3,365,134	1,006,144	30	17,058	1	989,086-	29-
THREE-YE.	AR MOVING AVERAGE	S					
92-94	12,959	7,002	54		0	7,002-	54-
93-95	9,111	9,359	103		0	9,359-	103-
94-96	45,691	50,654	111		0	50,654-	111-
95-97	55,724	49,868	89		0	49,868-	89-
96-98	172,245	46,529	27		0	46,529-	27-
97-99	139,362	3,009	2		0	3,009-	2-
98-00	118,226	118	0		0	118-	0
99-01	31,778	2,889	9		0	2,889-	9 –
00-02	47,604	4,002	8		0	4,002-	8 –
01-03	56,746	4,002	7		0	4,002-	7 –
02-04	42,509	1,113	3		0	1,113-	3 –
03-05	78,860	1,167	1		0	1,167-	1-



ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	5					
04-06	83,980	2,212	3		0	2,212-	3 –
05-07	101,600	4,433	4		0	4,433-	4-
06-08	78,734	54,576	69		0	54,576-	69-
07-09	101,631	77,581	76		0	77,581-	76-
08-10	106,283	76,952	72		0	76,952-	72-
09-11	143,578	51,111	36		0	51,111-	36-
10-12	244,302	151,698	62		0	151,698-	62-
11-13	319,754	165,421	52		0	165,421-	52-
12-14	318,041	154,734	49	5,686	2	149,048-	47-
13-15	372,378	40,517	11	5,686	2	34,831-	9 –
14-16	277,333	25,334	9	5,686	2	19,648-	7 –
15-17	270,638	12,803	5		0	12,803-	5-
FIVE-YEA	R AVERAGE						
13-17	268,886	25,740	10	3,412	1	22,329-	8 –



ACCOUNT 353 STATION EQUIPMENT

WEAD.	REGULAR	COST OF REMOVAL	D.CIII	GROSS SALVAGE	DOE	NET SALVAGE	D.CIII
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	3,997,198	390,603	10	285,323	7	105,279-	3-
1993	2,415,585	106,308	4	92,815	4	13,493-	1-
1994	3,598,179	523,823	15	285,708	8	238,115-	7 –
1995	5,827,712	531,192	9	220,379	4	310,813-	5-
1996	2,477,630	826,710	33	951,971	38	125,261	5
1997	3,114,416	231,607	7	136,073	4	95,534-	3-
1998	6,822,068	221,622	3	27,629	0	193,993-	3-
1999	40,564	17,298	43	140,281	346	122,983	303
2000	5,507,191	29,182	1	755,724	14	726,543	13
2001	4,121,339	517,725	13	216,950	5	300,775-	7 –
2002	2,709,493	360,907	13	24,461	1	336,446-	12-
2003	2,619,307	287,695	11		0	287,695-	11-
2004	8,937,452	874,252	10		0	874,252-	10-
2005	10,362,501	1,635,094	16	11,500	0	1,623,594-	16-
2006	3,547,580	427,256	12	20,800	1	406,456-	11-
2007	2,999,348	1,017,144	34	31,326	1	985,818-	33-
2008	6,125,229	718,132	12	389,283	6	328,849-	5-
2009	7,124,291	1,627,881	23	74,033	1	1,553,848-	22-
2010	11,451,431	1,344,522	12	479,438	4	865,084-	8-
2011	15,624,841	2,985,265	19	828,209	5	2,157,056-	14-
2012	12,239,110	3,165,928	26	441,275	4	2,724,653-	22-
2013	12,645,440	2,963,255	23	709,484	6	2,253,771-	18-
2014	18,494,719	1,548,855	8	2,107,505	11	558,650	3
2015	9,597,001	3,749,594	39	252,993	3	3,496,601-	36-
2016	7,972,728	1,587,414	20	138,073	2	1,449,341-	18-
2017	9,599,532	1,435,595	15	29	0	1,435,567-	15-
TOTAL	179,971,886	29,124,856	16	8,621,261	5	20,503,595-	11-
THREE-YE	CAR MOVING AVERAG	BES					
92-94	3,336,988	340,245	10	221,282	7	118,963-	4-
93-95	3,947,159	387,108	10	199,634	5	187,474-	5-
94-96	3,967,840	627,241	16	486,019	12	141,222-	4-
95-97	3,806,586	529,836	14	436,141	11	93,695-	2-
96-98	4,138,038	426,646	10	371,891	9	54,755-	1-
97-99	3,325,682	156,842	5	101,328	3	55,515-	2-
98-00	4,123,274	89,367	2	307,878	7	218,511	5
99-01	3,223,031	188,068	6	370,985	12	182,917	6
00-02	4,112,675	302,605	7	332,378	8	29,774	1
01-03	3,150,046	388,776	12	80,470	3	308,305-	10-
02-04	4,755,417	507,618	11	8,154	0	499,464-	11-
02-04	7,306,420	932,347	13	3,833	0	928,513-	13-
03-03	7,300,420	234,341	13	3,033	U	920,313-	13-



ACCOUNT 353 STATION EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGE	IS					
04-06	7,615,845	978,867	13	10,767	0	968,100-	13-
05-07	5,636,477	1,026,498	18	21,209	0	1,005,289-	18-
06-08	4,224,052	720,844	17	147,136	3	573,707-	14-
07-09	5,416,289	1,121,052	21	164,881	3	956,172-	18-
08-10	8,233,650	1,230,178	15	314,251	4	915,927-	11-
09-11	11,400,188	1,985,889	17	460,560	4	1,525,329-	13-
10-12	13,105,127	2,498,572	19	582,974	4	1,915,598-	15-
11-13	13,503,130	3,038,149	22	659,656	5	2,378,493-	18-
12-14	14,459,756	2,559,346	18	1,086,088	8	1,473,258-	10-
13-15	13,579,053	2,753,901	20	1,023,327	8	1,730,574-	13-
14-16	12,021,483	2,295,287	19	832,857	7	1,462,431-	12-
15-17	9,056,420	2,257,534	25	130,365	1	2,127,169-	23-
FIVE-YEA	R AVERAGE						
13-17	11,661,884	2,256,943	19	641,617	6	1,615,326-	14-



ACCOUNT 354 TOWERS AND FIXTURES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	68,351		0	3,460	5	3,460	5
1993	446,047	166	0	613	0	447	0
1994	21,008		0	1,341	6	1,341	6
1995	1,963-	190,872-	-	218-	11	190,654	
1996	278,513	71,767	26	85-	0	71,852-	26-
1997	244,959-	477	0	8,563	3 –	8,087	3 –
1998							
1999							
2000	7,155		0		0		0
2001	9,529		0		0		0
2002	391,997	12,738	3		0	12,738-	3-
2003							
2004							
2005	384,425	81,161	21		0	81,161-	21-
2006	423,613	197,335	47	1,437	0	195,897-	46-
2007	56,016		0		0		0
2008	1,064,887	14,112	1		0	14,112-	1-
2009		960,805				960,805-	
2010	933,077	135,345	15	17,961	2	117,384-	13-
2011	1,312,812	91,399	7	1,468	0	89,931-	7-
2012	66,998	1,181	2	•	0	1,181-	2-
2013	151,278	41,755	28	39,719	26	2,035-	1-
2014	188,551	2,059	1	100	0	1,959-	1-
2015	261,337	1,303	0	36,424	14	35,121	13
2016	506	6,280		•	0	6,280-	
2017	78,593	24,252	31	6,887	9	17,365-	22-
TOTAL	5,897,769	1,451,262	25	117,672	2	1,333,590-	23-
THREE-YE	AR MOVING AVERAGI	E S					
92-94	178,469	55	0	1,805	1	1,750	1
93-95	155,031	63,569-		579	0	64,148	41
94-96	99,186	39,702-		346	0	40,048	40
95-97	10,530	39,543-		2,753	26	42,296	402
96-98	11,185	24,081		2,826	25	21,255-	190-
97-99	81,653-	159			3-	2,696	
		139	0	2,854		2,090	3-
98-00 99-01	2,385 5,561		0 0		0 0		0
		1 216				1 216	
00-02	136,227	4,246	3		0	4,246- 4,246-	3-
01-03 02-04	133,842	4,246	3 3		0	4,246-	3-
	130,666	4,246			0		3- 21
03-05	128,142	27,054	21		0	27,054-	21-



ACCOUNT 354 TOWERS AND FIXTURES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	3					
04-06	269,346	92,832	34	479	0	92,353-	34-
05-07	288,018	92,832	32	479	0	92,353-	32-
06-08	514,838	70,482	14	479	0	70,003-	14-
07-09	373,634	324,972	87		0	324,972-	87-
08-10	665,988	370,087	56	5,987	1	364,100-	55-
09-11	748,630	395,850	53	6,476	1	389,373-	52-
10-12	770,962	75,975	10	6,476	1	69,499-	9 –
11-13	510,362	44,778	9	13,729	3	31,049-	6-
12-14	135,609	14,998	11	13,273	10	1,725-	1-
13-15	200,389	15,039	8	25,415	13	10,376	5
14-16	150,131	3,214	2	12,175	8	8,961	6
15-17	113,478	10,612	9	14,437	13	3,825	3
FIVE-YEA	R AVERAGE						
13-17	136,053	15,130	11	16,626	12	1,496	1



ACCOUNT 355 POLES AND FIXTURES

		COST OF		GROSS		NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT	PCT	SALVAGE AMOUNT	PCT
1992	2,034,789	2,078,813	102	112,589	6	1,966,224-	97-
1993	3,159,021	1,995,042	63	32,278	1	1,962,763-	62-
1994	598,768	1,796,715	300	25,700	4	1,771,015-	296-
1995	1,737,960	1,743,312	100	21,196	1	1,722,116-	99-
1996	1,403,988	1,894,160	135	69,185	5	1,824,975-	130-
1997	3,192,076	1,296,740	41	79,290	2	1,217,450-	38-
1998	5,083,836	760,017	15	26,431	1	733,586-	14-
1999		204,391		5,549		198,842-	
2000	1,812,263	571,629	32	8,514	0	563,115-	31-
2001	1,118,614	334,493	30	10,632	1	323,862-	29-
2002	620,568	632,542	102	11,064	2	621,478-	100-
2003	1,003,745	540,511	54	267,414	27	273,097-	27-
2004	1,063,375	612,037	58	173,191	16	438,845-	41-
2005	1,601,931	1,088,221	68	268,556	17	819,665-	51-
2006	1,295,250	888,576	69	546,181	42	342,396-	26-
2007	1,557,781	1,054,357	68	94,296	6	960,061-	62-
2008	8,308,918	961,412	12	178,204	2	783,208-	9 –
2009	1,685,138	1,136,997	67	128,430	8	1,008,567-	60-
2010	2,550,847	2,218,558	87	139,245	5	2,079,314-	82-
2011	3,355,861	2,215,363	66	201,854	6	2,013,509-	60-
2012	1,369,111	1,686,871	123	271,893	20	1,414,978-	103-
2013	1,877,398	1,241,407	66	91,459	5	1,149,948-	61-
2014	2,574,401	1,299,803	50	328,152	13	971,651-	38-
2015	1,973,926	1,816,475	92	134,528	7	1,681,947-	85-
2016	1,776,760	1,086,137	61	175,662	10	910,475-	51-
2017	2,337,852	1,121,136	48	111,470	5	1,009,666-	43-
TOTAL	55,094,177	32,275,717	59	3,512,963	6	28,762,753-	52-
THREE-YE	AR MOVING AVERAG	GES					
92-94	1,930,859	1,956,856	101	56,856	3	1,900,001-	98-
93-95	1,831,916	1,845,023	101	26,392	1	1,818,631-	99-
94-96	1,246,905	1,811,396	145	38,694	3	1,772,702-	142-
95-97	2,111,341	1,644,737	78	56,557	3	1,588,180-	75-
96-98	3,226,634	1,316,972	41	58,302	2	1,258,671-	39-
97-99	2,758,637	753,716	27	37,090	1	716,626-	26-
98-00	2,730,637	512,012	22	13,498	1	498,515-	22-
99-01	976,959	370,171	38	8,231	1	361,940-	37-
00-02	1,183,815	512,888	43	10,070	1	502,818-	42-
01-03	914,309	502,516	55	96,370	11	406,145-	44-
02-04	895,896	595,030	66	150,557	17	444,473-	50-
03-05	1,223,017	746,923	61	236,387	19	510,536-	42-
	_,,	. 10,223	J +	230,337		310,330	



ACCOUNT 355 POLES AND FIXTURES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	S					
04-06	1,320,185	862,945	65	329,309	25	533,635-	40-
05-07	1,484,987	1,010,385	68	303,011	20	707,374-	48-
06-08	3,720,650	968,115	26	272,893	7	695,222-	19-
07-09	3,850,612	1,050,922	27	133,643	3	917,279-	24-
08-10	4,181,634	1,438,989	34	148,626	4	1,290,363-	31-
09-11	2,530,615	1,856,973	73	156,510	6	1,700,463-	67-
10-12	2,425,273	2,040,264	84	204,330	8	1,835,934-	76-
11-13	2,200,790	1,714,547	78	188,402	9	1,526,145-	69-
12-14	1,940,303	1,409,360	73	230,501	12	1,178,859-	61-
13-15	2,141,908	1,452,562	68	184,713	9	1,267,849-	59-
14-16	2,108,363	1,400,805	66	212,781	10	1,188,024-	56-
15-17	2,029,513	1,341,249	66	140,553	7	1,200,696-	59-
FIVE-YEA	R AVERAGE						
13-17	2,108,068	1,312,992	62	168,254	8	1,144,737-	54-



ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT	PCT	SALVAGE AMOUNT	PCT
1992	1,771,531	745,735	42	425,020	24	320,715-	18-
1993	2,386,454	1,075,674	45	119,084	5	956,590-	40-
1994	320,589	721,234	225	130,158	41	591,076-	184-
1995	828,857	1,124,900	136	352,521	43	772,378-	93-
1996	1,428,732	858,068	60	80,001	6	778,067-	54-
1997	635,291	596,908	94	79,102	12	517,806-	82-
1998	5,927,137	443,678	7	33,316	1	410,362-	7 –
1999		68,130		11,266		56,865-	
2000	680,632	308,524	45	14,081	2	294,443-	43-
2001	308,208	148,418	48	17,483	6	130,936-	42-
2002	422,706	304,916	72	9,423	2	295,493-	70-
2003	565,589	278,731	49	191,021	34	87,709-	16-
2004	406,483	354,733	87	125,580	31	229,153-	56-
2005	1,281,125	539,703	42	122,239	10	417,463-	33-
2006	577,863	475,108	82	158,506	27	316,602-	55-
2007	1,264,121	729,354	58	94,465	7	634,889-	50-
2008	12,515,040	926,752	7	122,270	1	804,482-	6-
2009	1,198,417	3,019,278	252	50,181	4	2,969,096-	248-
2010	4,732,247	1,228,274	26	128,832	3	1,099,442-	23-
2011	4,594,416	1,385,168	30	183,809	4	1,201,360-	26-
2012	987,470	925,713	94	118,650	12	807,063-	82-
2013	1,035,590	803,321	78	111,030	11	692,291-	67-
2014	1,502,384	786,740	52	199,987	13	586,753-	39-
2015	1,370,585	967,570	71	170,654	12	796,916-	58-
2016	1,393,816	1,045,746	75	157,858	11	887,888-	64-
2017	1,798,465	1,034,814	58	88,856	5	945,957-	53-
TOTAL	49,933,745	20,897,190	42	3,295,393	7	17,601,798-	35-
THREE-YE	AR MOVING AVERAG	EES					
92-94	1,492,858	847,548	57	224,754	15	622,794-	42-
93-95	1,178,633	973,936	83	200,588	17	773,348-	66-
94-96	859,392	901,401	105	187,560	22	713,841-	83-
95-97	964,293	859,959	89	170,541	18	689,417-	71-
96-98	2,663,720	632,885	24	64,140	2	568,745-	21-
97-99	2,187,476	369,572	17	41,228	2	328,344-	15-
98-00	2,202,590	273,444	12	19,554		253,890-	12-
99-01	329,613	175,024	53	14,276	1 4	160,748-	49-
00-02	470,515	253,953	54	13,662	3	240,290-	51-
01-02	432,168	244,022	56	72,642	17	171,379-	40-
02-04	464,926	312,793	67	108,675	23	204,119-	44-
02-04	751,065	391,055	52	146,280	19	244,775-	33-
03-03	/31,003	331,033	24	140,200	19	244,775-	33-



ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

	REGULAR	COST OF REMOVAL	D CIT.	GROSS SALVAGE	D 000	NET SALVAGE	D.G.
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	IS					
04-06	755,157	456,515	60	135,442	18	321,073-	43-
05-07	1,041,036	581,388	56	125,070	12	456,318-	44-
06-08	4,785,675	710,405	15	125,080	3	585,325-	12-
07-09	4,992,526	1,558,461	31	88,972	2	1,469,489-	29-
08-10	6,148,568	1,724,768	28	100,428	2	1,624,340-	26-
09-11	3,508,360	1,877,573	54	120,941	3	1,756,633-	50-
10-12	3,438,044	1,179,718	34	143,763	4	1,035,955-	30-
11-13	2,205,825	1,038,067	47	137,829	6	900,238-	41-
12-14	1,175,148	838,591	71	143,222	12	695,369-	59-
13-15	1,302,853	852,544	65	160,557	12	691,987-	53-
14-16	1,422,261	933,352	66	176,167	12	757,186-	53-
15-17	1,520,955	1,016,043	67	139,123	9	876,920-	58-
FIVE-YEAR	R AVERAGE						
13-17	1,420,168	927,638	65	145,677	10	781,961-	55-



ACCOUNT 357 UNDERGROUND CONDUIT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE	NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT	PCT
1998	817		0	0		0
1999						
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007	191		0	0		0
2008	2,207		0	0		0
2009						
2010						
2011						
2012	2,783	132	5	0	132-	5 –
2013						
2014						
2015						
2016						
2017						
TOTAL	5,997	132	2	0	132-	2-
THREE-YEA	AR MOVING AVERAGE	ES				
98-00	272		0	0		0
99-01						
00-02						
01-03						
02-04						
03-05						
04-06						
05-07	64		0	0		0
06-08	799		0	0		0
07-09	799		0	0		0
08-10	736		0	0		0
09-11						
10-12	928	44	5	0	44-	5-
11-13	928	44	5	0	44-	5-
12-14	928	44	5	0	44-	5-
13-15						



ACCOUNT 357 UNDERGROUND CONDUIT

SUMMARY OF BOOK SALVAGE

		COST O	F	GROSS		NET	
	REGULAR	REMOVA:	L	SALVAG	E	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT

THREE-YEAR MOVING AVERAGES

14-16

15-17

FIVE-YEAR AVERAGE

13-17



ACCOUNT 358 UNDERGROUND CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAG		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1998	6,159		0		0		0
1999							
2000							
2001							
2002							
2003	51,132		0		0		0
2004							
2005							
2006	435,279	35,907	8		0	35,907-	8 –
2007			0		0		0
2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
TOTAL	492,570	35,907	7		0	35,907-	7-
THREE-YE	CAR MOVING AVERAGE	ES					
98-00	2,053		0		0		0
99-01	2,033		O		O		O
00-02							
01-03	17,044		0		0		0
02-04	17,044		0		0		0
03-05	17,044		0		0		0
04-06	145,093	11,969	8		0	11,969-	8-
05-07	145,093	11,969	8		0	11,969-	8 –
06-08	145,093	11,969	8		0	11,969-	8 –
07-09			0		0		0
08-10							
09-11							
10-12							
11-13							
12-14							
13-15							



ACCOUNT 358 UNDERGROUND CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

		COST O	F	GROSS		NET	
	REGULAR	REMOVA	L	SALVAGI	E	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT

THREE-YEAR MOVING AVERAGES

14-16

15-17

FIVE-YEAR AVERAGE

13-17



ACCOUNT 359 ROADS AND TRAILS

	COST OF GR		GROSS			NET	
	REGULAR	REMOVAL		SALVAG	ξE	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1993	1,120		0		0		0
1994							
1995							
1996							
1997	22		0		0		0
1998	36,654		0		0		0
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007	22,295		0		0		0
2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
TOTAL	60,091		0		0		0
THREE-YE	AR MOVING AVERAG	ES					
93-95	373		0		0		0
94-96							
95-97	7		0		0		0
96-98	12,225		0		0		0
97-99	12,225		0		0		0
98-00	12,218		0		0		0
99-01							
00-02							
01-03							
02-04							
03-05							
04-06							
05-07	7,432		0		0		0

ACCOUNT 359 ROADS AND TRAILS

SUMMARY OF BOOK SALVAGE

		COST OF	7	GROSS		NET	
	REGULAR	REMOVAI	_	SALVAGI	€	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAG	SES					
06-08	7,432		0		0		0
07-09	7,432		0		0		0
08-10							
09-11							
10-12							
11-13							
12-14							
13-15							
14-16							
15-17							

FIVE-YEAR AVERAGE

13-17



DISTRIBUTION AND GENERAL PLANT



OREGON PROPERTY



ACCOUNT 360.2 LAND RIGHTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992 1993 1994	32,944	14,936	45	1,090	3	13,846-	42-
1995 1996 1997							
1998 1999	10.000		•				0
2000 2001 2002 2003	12,862		0		0		0
2004 2005 2006							
2007 2008 2009	124,203		0		0		0
2010 2011 2012 2013 2014 2015 2016 2017							
TOTAL	170,009	14,936	9	1,090	1	13,846-	8-
	EAR MOVING AVERAG		4.5	262	2	4 615	4.0
92-94 93-95 94-96 95-97 96-98 97-99	10,981	4,979	45	363	3	4,615-	42-
98-00 99-01 00-02 01-03 02-04	4,287 4,287 4,287		0 0 0		0 0 0		0 0 0



ACCOUNT 360.2 LAND RIGHTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
	AR MOVING AVERAGES		101	11100111	101	11100111	101
03-05 04-06 05-07							
06-08	41,401		0		0		0
07-09	41,401		0		0		0
08-10	41,401		0		0		0
09-11							
10-12							
11-13							
12-14							
13-15							
14-16							
15-17							

FIVE-YEAR AVERAGE

13-17



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT	PCT
1992	41,583	13,894	33	0	13,894-	33-
1993	45,129	10,248	23	0	10,248-	
1994	31,728	3,808	12	0	3,808-	
1995	25,130	3,894	15	0	3,894-	15-
1996	7,792	1,004	13	0	1,004-	
1997	6,463	680	11	0	680-	
1998	1,096	93	8	0	93-	8-
1999	1,000	, ,	Ü	9	73	Ü
2000	2,825		0	0		0
2001	4,528		0	0		0
2002	131,542		0	0		0
2003	2,845	19,633	690	0	19,633-	690-
2004	122,746	5,339	4	0	5,339-	4-
2005	91,795	•	0	0	,	0
2006	13,049	1,077	8	0	1,077-	8 –
2007	158,455	488,910	309	0	488,910-	309-
2008	6,739	2,152	32	0	2,152-	
2009	45,414	641	1	0	641-	1-
2010	18,363	1,918	10	0	1,918-	10-
2011	18,384	2,424	13	0	2,424-	13-
2012	54,540	34,580	63	0	34,580-	63-
2013	15,947	17,286	108	0	17,286-	108-
2014	41,874		0	0		0
2015	32,028	1,174	4	0	1,174-	4 –
2016	44,744	56	0	0	56-	0
2017	95,215	1,561	2	0	1,561-	2-
TOTAL	1,059,953	610,371	58	0	610,371-	58-
THREE-YE.	AR MOVING AVERAG	ES				
92-94	39,480	9,317	24	0	9,317-	24-
93-95	33,996	5,983	18	0	5,983-	
94-96	21,550	2,902	13	0	2,902-	13-
95-97	13,128	1,859	14	0	1,859-	14-
96-98	5,117	592	12	0	592-	12-
97-99	2,520	258	10	0	258-	10-
98-00	1,307	31	2	0	31-	2-
99-01	2,451		0	0		0
00-02	46,298		0	0		0
01-03	46,305	6,544	14	0	6,544-	14-
02-04	85,711	8,324	10	0	8,324-	10-

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS	NET	
	REGULAR	REMOVAL		SALVAGE	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES					
03-05	72,462	8,324	11	0	8,324-	11-
04-06	75,863	2,139	3	0	2,139-	3-
05-07	87,766	163,329	186	0	163,329-	186-
06-08	59,414	164,046	276	0	164,046-	276-
07-09	70,203	163,901	233	0	163,901-	233-
08-10	23,505	1,570	7	0	1,570-	7 –
09-11	27,387	1,661	6	0	1,661-	6-
10-12	30,429	12,974	43	0	12,974-	43-
11-13	29,624	18,097	61	0	18,097-	61-
12-14	37,454	17,289	46	0	17,289-	46-
13-15	29,950	6,153	21	0	6,153-	21-
14-16	39,548	410	1	0	410-	1-
15-17	57,329	930	2	0	930-	2-
FIVE-YEA	R AVERAGE					
13-17	45,962	4,015	9	0	4,015-	9-



ACCOUNT 362 STATION EQUIPMENT

	REGULAR	COST OF		GROSS		NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT	PCT	SALVAGE AMOUNT	PCT
1992	656,658	170,638	26	80,050-	12-	250,688-	38-
1993	1,985,431	184,688	9	63,189	3	121,499-	6-
1994	606,629	215,855	36	825	0	215,030-	35-
1995	537,258	207,194	39	75,326	14	131,868-	25-
1996	400,246	182,626	46	57,279	14	125,347-	31-
1997	826,518	494,748	60	1,600	0	493,148-	60-
1998	299,630	65,545	22	1,966	1	63,580-	21-
1999	27,341	9,525	35	9	0	9,515-	35-
2000	93,308	130,127	139	140,271-	150-	270,398-	290-
2001	474,443	106,146	22		0	106,146-	22-
2002	1,592,461	155,389	10	51,737	3	103,652-	7 –
2003	396,404	248,706	63	12,320	3	236,385-	60-
2004	1,744,157	166,484	10		0	166,484-	10-
2005	2,492,694	145,706	6		0	145,706-	6-
2006	1,276,454	167,873	13	92,513	7	75,360-	6-
2007	650,539	460,134	71	160,048	25	300,086-	46-
2008	1,334,343	175,602	13	3,351	0	172,251-	13-
2009	924,946	279,837	30	102,421	11	177,416-	19-
2010	2,328,114	351,260	15	255,176	11	96,083-	4 –
2011	1,216,797	565,152	46	50,834	4	514,318-	42-
2012	1,065,189	269,689	25	162,648	15	107,041-	10-
2013	3,258,032	396,961	12	135,197	4	261,764-	8 –
2014	3,038,334	679,975	22	73,236	2	606,739-	20-
2015	2,432,244	762,828	31	23,484	1	739,344-	30-
2016	345,234	174,648	51	61,368	18	113,280-	33-
2017	1,568,085	403,779	26	3,260	0	400,519-	26-
TOTAL	31,571,489	7,171,116	23	1,167,465	4	6,003,650-	19-
THREE-YE	AR MOVING AVERAGE	ES					
92-94	1,082,906	190,394	18	5,346-	0	195,739-	18-
93-95	1,043,106	202,579	19	46,446	4	156,133-	15-
94-96	514,711	201,892	39	44,476	9	157,415-	31-
95-97	588,007	294,856	50	44,735	8	250,121-	43-
96-98	508,798	247,640	49	20,281	4	227,358-	45-
97-99	384,496	189,939	49	1,192	0	188,748-	49-
98-00	140,093	68,399	49	46,099-	33-	114,498-	82-
99-01	198,364	81,933	41	46,754-	24-	128,686-	65-
00-02	720,071	130,554	18	29,511-	4-	160,065-	22-
01-03	821,102	170,080	21	21,352	3	148,728-	18-
02-04	1,244,340	190,193	15	21,352	2	168,841-	14-

ACCOUNT 362 STATION EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	S					
03-05	1,544,418	186,965	12	4,107	0	182,859-	12-
04-06	1,837,768	160,021	9	30,838	2	129,184-	7 –
05-07	1,473,229	257,905	18	84,187	6	173,718-	12-
06-08	1,087,112	267,870	25	85,304	8	182,566-	17-
07-09	969,943	305,191	31	88,607	9	216,585-	22-
08-10	1,529,135	268,900	18	120,316	8	148,584-	10-
09-11	1,489,953	398,750	27	136,144	9	262,606-	18-
10-12	1,536,700	395,367	26	156,219	10	239,147-	16-
11-13	1,846,673	410,601	22	116,226	6	294,374-	16-
12-14	2,453,852	448,875	18	123,694	5	325,181-	13-
13-15	2,909,537	613,254	21	77,306	3	535,949-	18-
14-16	1,938,604	539,150	28	52,696	3	486,454-	25-
15-17	1,448,521	447,085	31	29,371	2	417,714-	29-
FIVE-YEA	R AVERAGE						
13-17	2,128,386	483,638	23	59,309	3	424,329-	20-



ACCOUNT 364 POLES, TOWERS AND FIXTURES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	3,223,662	5,068,822	157	130,852	4	4,937,971-	153-
1993	3,267,642	499,883	15	62,997	2	436,886-	13-
1994	2,584,322	3,801,831	147	33,968	1	3,767,863-	146-
1995	1,116,317	2,085,358	187	28,598	3	2,056,759-	184-
1996	1,075,998	2,827,314	263	30,947	3	2,796,366-	260-
1997	1,303,371	2,381,675	183	86,642	7	2,295,033-	176-
1998	1,309,250	1,557,904	119	59,609	5	1,498,296-	114-
1999		1,394,681		41,937		1,352,744-	
2000	4,102,392	2,311,388	56	84,619	2	2,226,769-	54-
2001	1,306,394	1,901,615	146	55,223	4	1,846,392-	141-
2002	1,199,455	1,371,511	114	29,973	2	1,341,537-	112-
2003	1,181,819	1,444,351	122	204,106	17	1,240,246-	105-
2004	1,328,000	1,472,009	111	245,808	19	1,226,201-	92-
2005	1,508,768	2,631,449	174	327,088	22	2,304,361-	153-
2006	1,086,695	1,722,756	159	140,237	13	1,582,520-	146-
2007	1,398,990	1,956,605	140	153,858	11	1,802,746-	129-
2008	1,050,492	1,650,568	157	122,704	12	1,527,864-	145-
2009	881,199	1,662,859	189	139,356	16	1,523,503-	
2010	1,001,494	1,842,447	184	145,822	15	1,696,625-	
2011	1,143,664	2,430,454	213	164,794	14	2,265,659-	198-
2012	1,052,084	1,806,041	172	121,510	12	1,684,530-	160-
2013	957,550	2,036,751	213	204,854	21	1,831,897-	191-
2014	1,052,663	1,698,464	161	189,603	18	1,508,860-	143-
2015	718,769	1,755,373	244	139,837	19	1,615,536-	
2016	1,172,956	1,662,954	142	121,830	10	1,541,125-	131-
2017	953,331	1,750,550	184	241,534	25	1,509,016-	158-
TOTAL	36,977,278	52,725,613	143	3,308,307	9	49,417,305-	134-
THREE-YE	AR MOVING AVERAG	GES					
92-94	3,025,209	3,123,512	103	75,939	3	3,047,573-	101-
93-95	2,322,760	2,129,024	92	41,854	2	2,087,169-	90-
94-96	1,592,212	2,904,834	182	31,171	2	2,873,663-	180-
95-97	1,165,229	2,431,449	209	48,729	4	2,382,720-	204-
96-98	1,229,540	2,255,631	183	59,066	5	2,196,565-	179-
97-99	870,874	1,778,087	204	62,729	7	1,715,358-	197-
98-00	1,803,881	1,754,658	97	62,055	3	1,692,603-	94-
99-01	1,802,929	1,869,228	104	60,593	3	1,808,635-	100-
00-02	2,202,747	1,861,505	85	56,605	3	1,804,900-	82-
01-03	1,229,223	1,572,492	128	96,434	8	1,476,058-	120-
02-04	1,236,425	1,429,290	116	159,962	13	1,269,328-	103-



ACCOUNT 364 POLES, TOWERS AND FIXTURES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	}					
03-05	1,339,529	1,849,270	138	259,000	19	1,590,269-	119-
04-06	1,307,821	1,942,071	148	237,711	18	1,704,361-	130-
05-07	1,331,484	2,103,603	158	207,061	16	1,896,542-	142-
06-08	1,178,726	1,776,643	151	138,933	12	1,637,710-	139-
07-09	1,110,227	1,756,677	158	138,639	12	1,618,038-	146-
08-10	977,728	1,718,625	176	135,961	14	1,582,664-	162-
09-11	1,008,786	1,978,587	196	149,991	15	1,828,596-	181-
10-12	1,065,747	2,026,314	190	144,042	14	1,882,271-	177-
11-13	1,051,099	2,091,082	199	163,720	16	1,927,362-	183-
12-14	1,020,766	1,847,085	181	171,989	17	1,675,096-	164-
13-15	909,661	1,830,196	201	178,098	20	1,652,098-	182-
14-16	981,463	1,705,597	174	150,423	15	1,555,174-	158-
15-17	948,352	1,722,959	182	167,734	18	1,555,225-	164-
FIVE-YEAD	R AVERAGE						
13-17	971,054	1,780,819	183	179,532	18	1,601,287-	165-



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	2,631,126	2,565,634	98	145,222	6	2,420,413-	92-
1993	3,143,996	1,307,654	42	73,523	2	1,234,130-	39-
1994	2,168,742	2,215,806	102	38,602	2	2,177,204-	100-
1995	1,225,267	1,356,265	111	35,166	3	1,321,099-	108-
1996	947,287	1,390,321	147	36,391	4	1,353,930-	143-
1997	866,352	1,218,735	141	80,899	9	1,137,836-	131-
1998	874,732	865,281	99	59,842	7	805,439-	92-
1999		464,894		85,047		379,847-	
2000	1,777,662	542,118	30	186,880	11	355,238-	20-
2001	699,438	475,404	68	112,120	16	363,284-	52-
2002	497,832	525,873	106	24,139	5	501,734-	101-
2003	631,870	489,236	77	99,024	16	390,212-	62-
2004	562,760	599,534	107	73,120	13	526,414-	94-
2005	1,063,238	837,940	79	228,023	21	609,917-	57-
2006	571,181	672,816	118	142,268	25	530,548-	93-
2007	666,662	581,968	87	80,674	12	501,295-	75-
2008	729,506	395,101	54	56,720	8	338,381-	46-
2009	321,782	321,886	100	37,257	12	284,629-	88-
2010	381,984	458,320	120	43,733	11	414,587-	109-
2011	524,516	459,749	88	211,952	40	247,797-	47-
2012	355,378	290,620	82	54,070	15	236,550-	67-
2013	302,030	261,972	87	102,717	34	159,256-	53-
2014	591,954	304,042	51	108,899	18	195,144-	33-
2015	160,648	275,335	171	67,447	42	207,888-	129-
2016	584,017	264,367	45	80,766	14	183,602-	31-
2017	707,836	349,914	49	75,698	11	274,216-	39-
TOTAL	22,987,794	19,490,787	85	2,340,196	10	17,150,591-	75-
THREE-YE	AR MOVING AVERAG	GES					
92-94	2,647,955	2,029,698	77	85,783	3	1,943,916-	73-
93-95	2,179,335	1,626,575	75	49,097	2	1,577,478-	72-
94-96	1,447,099	1,654,131	114	36,720	3	1,617,411-	112-
95-97	1,012,968	1,321,774	130	50,819	5	1,270,955-	125-
96-98	896,123	1,158,112	129	59,044	7	1,099,069-	123-
97-99	580,361	849,637	146	75,263	13		133-
98-00	884,131	624,098	71	110,590	13	513,508-	58-
99-01	825,700	494,139	60	128,016	16	366,123-	44-
00-02	991,644	514,465	52	107,713	11	406,752-	41-
01-03	609,713	496,837	81	78,427	13	418,410-	69-
02-04	564,154	538,214	95	65,428	12	472,786-	84-

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES						
03-05	752,623	642,237	85	133,389	18	508,848-	68-
04-06	732,393	703,430	96	147,804	20	555,626-	76-
05-07	767,027	697,575	91	150,322	20	547,253-	71-
06-08	655,783	549,962	84	93,221	14	456,741-	70-
07-09	572,650	432,985	76	58,217	10	374,768-	65-
08-10	477,757	391,769	82	45,903	10	345,866-	72-
09-11	409,427	413,319	101	97,647	24	315,671-	77-
10-12	420,626	402,896	96	103,252	25	299,645-	71-
11-13	393,975	337,447	86	122,913	31	214,535-	54-
12-14	416,454	285,545	69	88,562	21	196,983-	47-
13-15	351,544	280,450	80	93,021	26	187,429-	53-
14-16	445,540	281,248	63	85,704	19	195,545-	44-
15-17	484,167	296,539	61	74,637	15	221,902-	46-
FIVE-YEA	R AVERAGE						
13-17	469,297	291,126	62	87,105	19	204,021-	43-



ACCOUNT 366 UNDERGROUND CONDUIT

		COST OF		GROSS		NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT	PCT	SALVAGE AMOUNT	PCT
			46	8,620	6	63,635-	41-
1992 1993	156,141 240,652	72,256	56	3,805	2	•	54-
		133,732	82		1	129,927-	
1994	165,050	134,983		1,318		133,665-	81-
1995	96,777	69,277	72	651	1	68,627-	71-
1996	61,723	69,136	112	1,076	2	68,060-	
1997	61,705	64,229	104	6,223	10	58,006-	94-
1998	114,833	81,047	71	3,834	3	77,213-	67-
1999	144 070	54,386	4.0	1 555	1	54,386-	4.77
2000	144,079	69,089	48	1,555	1	67,534-	47-
2001	56,215	77,651	138	440	1	77,210-	
2002	69,226	74,674	108	695	1	73,979-	
2003	82,342	92,610	112	13,231	16	79,379-	96-
2004	116,995	72,186	62	17,712	15	54,474-	47-
2005	154,095	62,342	40	21,896	14	40,447-	26-
2006	128,777	119,230	93	4,944	4	114,286-	89-
2007	92,795	93,597	101	13,666	15	79,931-	86-
2008	96,972	60,218	62	12,041	12	48,177-	50-
2009	289,853	57,425	20	2,376	1	55,049-	19-
2010	66,961	96,901	145	13,300	20	83,601-	
2011	85,253	57,691	68	4,441	5	53,250-	62-
2012	73,147	51,272	70	5,655	8	45,617-	62-
2013	88,259	82,836	94	43,492	49	39,344-	45-
2014	93,086	48,667	52	6,285	7	42,382-	46-
2015	64,761	45,529	70	6,559	10	38,970-	60-
2016	142,896	52,428	37	7,156	5	45,272-	32-
2017	84,389	40,416	48	4,268	5	36,148-	43-
TOTAL	2,826,983	1,933,806	68	205,238	7	1,728,567-	61-
THREE-YE.	AR MOVING AVERAG	ES					
92-94	187,281	113,657	61	4,581	2	109,076-	58-
93-95	167,493	112,664	67	1,924	1	110,740-	66-
94-96	107,850	91,132	84	1,015	1	90,117-	84-
95-97	73,402	67,547	92	2,650	4	64,898-	88-
96-98	79,420	71,471	90	3,711	5	67,760-	85-
97-99	58,846	66,554	113	3,352	6	63,202-	107-
98-00	86,304	68,174	79	1,796	2	66,378-	77-
99-01	66,765	67,042	100	665	1	66,377-	99-
00-02	89,840	73,804	82	897	1	72,908-	81-
01-03	69,261	81,645	118	4,789	7	76,856-	111-
02-04	89,521	79,823	89	10,546	12	69,277-	77-



ACCOUNT 366 UNDERGROUND CONDUIT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEA	R MOVING AVERAGES						
03-05	117,811	75,713	64	17,613	15	58,100-	49-
04-06	133,289	84,586	63	14,851	11	69,735-	52-
05-07	125,222	91,723	73	13,502	11	78,221-	62-
06-08	106,182	91,015	86	10,217	10	80,798-	76-
07-09	159,874	70,413	44	9,361	6	61,052-	38-
08-10	151,262	71,515	47	9,239	6	62,276-	41-
09-11	147,356	70,672	48	6,706	5	63,967-	43-
10-12	75,120	68,621	91	7,799	10	60,823-	81-
11-13	82,220	63,933	78	17,863	22	46,070-	56-
12-14	84,831	60,925	72	18,477	22	42,448-	50-
13-15	82,035	59,011	72	18,779	23	40,232-	49-
14-16	100,248	48,874	49	6,667	7	42,208-	42-
15-17	97,349	46,124	47	5,994	6	40,130-	41-
FIVE-YEAR	AVERAGE						
13-17	94,678	53,975	57	13,552	14	40,423-	43-



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

YEAR RETUREMENTS REMOVAL AMOUNT PCT AMOUNT PCT AMOUNT PCT 1992 326,566 212,999 65 8,977 3 204,023-62-62-1993 492,867 256,303 52 5,017 1 251,286-51-1994 65 1994 435,856 298,634 69 1,601 0 297,033-68-51-1995 51-1995 233,917 150,456 64 1,243 1 149,213-64-1996 6104,423 66,928-64 1,090 1 65,838-63-1997 107,912 115,628-107 7,036-7 108,592-101-1998 151,726 102,345-67 4,494 3 97,851-64-1999 181,29-1999 181,29-190-1999 181,29-190-1999 181,29-190-1999 197,851-4-1999 164,477 17,045-188-894-1 16,152-17-1990 176,332-208,557-76 4,533-2 204,024-74-2003 176,790 171,329-97 69,199-99-99 102,130-58-201-20-20-2005 295,679 178,453-80-30-31,244-13 224,475-90-20-20-20-20-20-20-20-20-20-20-20-20-20			COST OF		GROSS		NET	
1992 326,566 212,999 65 8,977 3 204,023 - 62 1993 492,867 256,303 52 5,017 1 251,286 - 51 1994 435,856 298,634 69 1,601 0 297,033 - 68 1995 233,917 150,456 64 1,243 1 149,213 - 64 1996 104,423 66,928 64 1,090 1 65,838 - 63 1997 107,912 115,628 107 7,036 7 108,592 101 1998 151,726 102,345 67 4,494 3 97,851 64 1999 18,129 18,129 18,29 2000 403,295 19,076 5 3,145 1 16,152 17 2001 96,427 17,045 18 894 1 16,152 17 2002 274,632 208,557 76 4,533 2 204,024 74 2003 176,790 171,329 97 69,199 39 102,130 58 2004 249,021 255,989 103 31,244 13 224,745 90 2005 295,679 178,453 60 36,534 12 111,20 48 2006 194,503 289,255 149 72,582 37 216,673 111 2007 238,450 244,307 102 59,989 25 184,318 77 2008 719,828 95,056 13 26,543 4 68,513 10 2009 235,257 77,064 33 12,103 5 64,960 28 2010 211,294 164,976 78 15,641 7 149,335 71 2011 377,031 124,560 33 41,017 11 83,544 22 2012 364,334 166,274 46 23,173 6 143,101 39 2013 112,800 153,607 136 35,240 31 118,367 105 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256 28 2016 470,244 127,659 27 35,157 7 92,502 20 2017 286,322 106,962 37 6,655 2 100,307 35 TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293 46 THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781 60 93-95 387,547 235,131 61 2,620 1 232,511 60 94-96 258,065 172,006 67 1,311 1 170,695 66 95-97 148,750 111,004 75 3,123 2 107,881 73 96-98 121,353 94,967 78 4,206 3 90,760 75 97-99 86,546 78,700 91 3,843 4 74,857 86 98-00 185,00	VEAR			рст		рст		РСТ
1993								
1994								
1995 233,917 150,456 64 1,243 1 149,213- 64- 1996 104,423 66,928 64 1,090 1 65,838- 63, 1997 107,912 115,628 107 7,036 7 108,592- 101- 1998 151,726 102,345 67 4,494 3 97,851- 64- 1999 18,129 18,129 2000 403,295 19,076 5 3,145 1 15,931- 4- 2001 96,427 17,045 18 894 1 16,152- 17- 2002 274,632 208,557 76 4,533 2 204,024- 74- 2003 176,790 171,329 97 69,199 39 102,130- 58- 2004 249,021 255,989 103 31,244 13 224,745- 90- 2005 295,679 178,453 60 36,534 12 141,920- 48- 2006 194,503 289,255 149 72,582 37 216,673- 111- 2007 238,450 244,307 102 59,989 25 184,318- 77- 2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- **THREE-YEAR MOVING AVERAGES** 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 98-90 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-								
1996								
1997 107,912 115,628 107 7,036 7 108,592- 101- 1998 151,726 102,345 67 4,494 3 97,851- 64- 1999 18,129 18,129 18,129- 2000 403,295 19,076 5 3,145 1 15,931- 4- 2001 96,427 17,045 18 894 1 16,152- 17- 2002 274,632 208,557 76 4,533 2 204,024- 74- 2003 176,790 171,329 97 69,199 39 102,130- 58- 2004 249,021 255,989 103 31,244 13 224,745- 90- 2005 295,679 178,453 60 36,534 12 141,920- 48- 2006 194,503 289,255 149 72,582 37 216,673- 111- 2007 238,450 244,307 102 59,989 25 184,318- 77- 2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 4 107,435- 59-								
1998								
1999								
2000		151,726		67	4,494	3		64-
2001 96,427 17,045 18 894 1 16,152- 17- 2002 274,632 208,557 76 4,533 2 204,024- 74- 2003 176,790 171,329 97 69,199 39 102,130- 58- 2004 249,021 255,989 103 31,244 13 224,745- 90- 2005 295,679 178,453 60 36,534 12 141,920- 48- 2006 194,503 289,255 149 72,582 37 216,673- 111- 2007 238,450 244,307 102 59,989 25 184,318- 77- 2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-								
2002 274,632 208,557 76 4,533 2 204,024- 74- 2003 176,790 171,329 97 69,199 39 102,130- 58- 2004 249,021 255,989 103 31,244 13 224,745- 90- 2005 295,679 178,453 60 36,534 12 141,920- 48- 2006 194,503 289,255 149 72,582 37 216,673- 111- 2007 238,450 244,307 102 59,989 25 184,318- 77- 2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES P2-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2000		19,076	5				4 –
2003 176,790 171,329 97 69,199 39 102,130- 58- 2004 249,021 255,989 103 31,244 13 224,745- 90- 2005 295,679 178,453 60 36,534 12 141,920- 48- 2006 194,503 289,255 149 72,582 37 216,673- 111- 2007 238,450 244,307 102 59,989 25 184,318- 77- 2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- **THREE-YEAR MOVING AVERAGES** 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2001		17,045		894		16,152-	
2004 249,021 255,989 103 31,244 13 224,745- 90- 2005 295,679 178,453 60 36,534 12 141,920- 48- 2006 194,503 289,255 149 72,582 37 216,673- 111- 2007 238,450 244,307 102 59,989 25 184,318- 77- 2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- **THREE-YEAR MOVING AVERAGES** 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 99,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2002	274,632	208,557	76	4,533	2	204,024-	74-
2005 295,679 178,453 60 36,534 12 141,920- 48- 2006 194,503 289,255 149 72,582 37 216,673- 111- 2007 238,450 244,307 102 59,989 25 184,318- 77- 2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2003	176,790	171,329	97	69,199	39	102,130-	58-
2006 194,503 289,255 149 72,582 37 216,673- 111- 2007 238,450 244,307 102 59,989 25 184,318- 77- 2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2004	249,021	255,989	103	31,244	13	224,745-	90-
2007 238,450 244,307 102 59,989 25 184,318- 77- 2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- **THREE-YEAR MOVING AVERAGES** 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2005	295,679	178,453	60	36,534	12	141,920-	48-
2008 719,828 95,056 13 26,543 4 68,513- 10- 2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2006	194,503	289,255	149	72,582	37	216,673-	111-
2009 235,257 77,064 33 12,103 5 64,960- 28- 2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- **THREE-YEAR MOVING AVERAGES** 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2007	238,450	244,307	102	59,989	25	184,318-	77-
2010 211,294 164,976 78 15,641 7 149,335- 71- 2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2008	719,828	95,056	13	26,543	4	68,513-	10-
2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2009	235,257	77,064	33	12,103	5	64,960-	28-
2011 377,031 124,560 33 41,017 11 83,544- 22- 2012 364,334 166,274 46 23,173 6 143,101- 39- 2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2010	211,294	164,976	78	15,641	7	149,335-	71-
2013 112,800 153,607 136 35,240 31 118,367- 105- 2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2011	377,031	124,560	33		11	83,544-	22-
2014 157,659 65,914 42 74,364 47 8,450 5 2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2012	364,334	166,274	46	23,173	6	143,101-	39-
2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2013	112,800	153,607	136	35,240	31	118,367-	105-
2015 228,315 87,068 38 23,812 10 63,256- 28- 2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	2014	157,659	65,914	42	74,364	47	8,450	5
2016 470,244 127,659 27 35,157 7 92,502- 20- 2017 286,322 106,962 37 6,655 2 100,307- 35- TOTAL 6,945,147 3,774,573 54 601,280 9 3,173,293- 46- THREE-YEAR MOVING AVERAGES 92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-							63,256-	28-
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92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	IOIAL	0,945,147	3,774,573	34	001,200	9	3,173,293-	40-
92-94 418,430 255,979 61 5,198 1 250,781- 60- 93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-	TUDEE_VE	AD MONTNE ANTERACE	70					
93-95 387,547 235,131 61 2,620 1 232,511- 60- 94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-								
94-96 258,065 172,006 67 1,311 1 170,695- 66- 95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-								
95-97 148,750 111,004 75 3,123 2 107,881- 73- 96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-								
96-98 121,353 94,967 78 4,206 3 90,760- 75- 97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-								
97-99 86,546 78,700 91 3,843 4 74,857- 86- 98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-								
98-00 185,007 46,516 25 2,546 1 43,970- 24- 99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-			94,967	78		3	90,760-	75-
99-01 166,574 18,083 11 1,346 1 16,737- 10- 00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-						4	74,857-	86-
00-02 258,118 81,559 32 2,857 1 78,702- 30- 01-03 182,616 132,310 72 24,875 14 107,435- 59-				25				24-
01-03 182,616 132,310 72 24,875 14 107,435- 59-	99-01	166,574	18,083	11	1,346	1	16,737-	10-
	00-02		81,559	32	2,857	1	78,702-	30-
02-04 233,481 211,958 91 34,992 15 176,966- 76-	01-03	182,616	132,310	72	24,875	14	107,435-	59-
	02-04	233,481	211,958	91	34,992	15	176,966-	76-

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	240,496	201,924	84	45,659	19	156,265-	65-
04-06	246,401	241,233	98	46,787	19	194,446-	79-
05-07	242,878	237,339	98	56,368	23	180,970-	75-
06-08	384,261	209,540	55	53,038	14	156,502-	41-
07-09	397,845	138,809	35	32,878	8	105,931-	27-
08-10	388,793	112,365	29	18,096	5	94,270-	24-
09-11	274,527	122,200	45	22,920	8	99,280-	36-
10-12	317,553	151,937	48	26,610	8	125,327-	39-
11-13	284,722	148,147	52	33,143	12	115,004-	40-
12-14	211,598	128,598	61	44,259	21	84,339-	40-
13-15	166,258	102,196	61	44,472	27	57,724-	35-
14-16	285,406	93,547	33	44,444	16	49,103-	17-
15-17	328,294	107,230	33	21,875	7	85,355-	26-
FIVE-YEA	R AVERAGE						
13-17	251,068	108,242	43	35,045	14	73,196-	29-



ACCOUNT 368 LINE TRANSFORMERS

		COST OF		GROSS		NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT	PCT	SALVAGE AMOUNT	PCT
ILAK	KEIIKEMENIS	AMOUNT	PCI	AMOUNT	PCI	AMOUNT	PCI
1992	6,167,076	1,006,742	16	306,388	5	700,354-	11-
1993	4,966,053	3,376,711	68	160,252	3	3,216,459-	65-
1994	4,394,598	2,378,748	54	70,187	2	2,308,560-	53-
1995	1,138,094-	147,811	13-	99,948	9 –	47,863-	4
1996	2,053,874	432,460	21	132,772	6	299,687-	15-
1997	579,361	480,579	83	138,974	24	341,605-	59-
1998	624,316	371,970	60	55,118	9	316,852-	51-
1999		13,467		60,589-		74,056-	
2000	3,853,575	128,797	3	178,654	5	49,856	1
2001	2,144,387	30,207	1	543,593	25	513,386	24
2002	2,008,522	1,060,864	53	367,542	18	693,322-	35-
2003	2,128,762	1,445,516	68	582,515	27	863,001-	41-
2004	2,447,298	1,515,064	62	674,722	28	840,342-	34-
2005	2,612,197	1,335,660	51	1,086,805	42	248,855-	10-
2006	2,044,576	1,340,296	66	1,025,789	50	314,507-	15-
2007	2,711,006	1,800,421	66	1,757,738	65	42,683-	2-
2008	2,694,320	1,543,047	57	1,624,939	60	81,892	3
2009	2,106,729	1,731,832	82	1,029,508	49	702,323-	33-
2010	2,123,210	1,543,759	73	871,461	41	672,298-	32-
2011	2,075,970	1,631,703	79	858,509	41	773,194-	37-
2012	2,056,911	1,503,399	73	883,182	43	620,217-	30-
2013	1,466,626	1,206,560	82	818,403	56	388,157-	26-
2014	1,851,491	1,369,743	74	842,545	46	527,198-	28-
2015	2,201,339	1,475,268	67	763,742	35	711,525-	32-
2016	1,977,898	1,560,345	79	534,431	27	1,025,914-	52-
2017	2,132,562	1,243,784	58	372,718	17	871,066-	41-
TOTAL	58,284,563	31,674,754	54	15,719,847	27	15,954,907-	27-
THREE-YE	CAR MOVING AVERAG	EES					
92-94	5,175,909	2,254,067	44	178,942	3	2,075,125-	40-
93-95	2,740,853	1,967,756	72	110,129	4	1,857,627-	68-
94-96	1,770,126	986,339	56	100,969	6	885,370-	50-
95-97	498,380	353,616	71	123,898	25	229,718-	46-
96-98	1,085,850	428,336	39	108,955	10	319,381-	29-
97-99	401,225	288,672	72	44,501	11	244,171-	61-
98-00	1,492,630	171,412	11	57,728	4	113,684-	8-
99-01	1,999,321	57,491	3	220,552	11	163,062	8
00-02	2,668,828	406,623	15	363,263	14	43,360-	2-
01-03	2,093,890	845,529	40	497,883	24	347,646-	17-
02-04	2,194,861	1,340,481	61	541,593	25	798,888-	36-



ACCOUNT 368 LINE TRANSFORMERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	IS					
03-05	2,396,085	1,432,080	60	781,347	33	650,733-	27-
04-06	2,368,024	1,397,007	59	929,106	39	467,901-	20-
05-07	2,455,926	1,492,126	61	1,290,111	53	202,015-	8 –
06-08	2,483,301	1,561,255	63	1,469,489	59	91,766-	4-
07-09	2,504,019	1,691,767	68	1,470,729	59	221,038-	9 –
08-10	2,308,087	1,606,213	70	1,175,303	51	430,910-	19-
09-11	2,101,970	1,635,765	78	919,826	44	715,939-	34-
10-12	2,085,364	1,559,620	75	871,051	42	688,570-	33-
11-13	1,866,502	1,447,221	78	853,364	46	593,856-	32-
12-14	1,791,676	1,359,900	76	848,043	47	511,857-	29-
13-15	1,839,819	1,350,523	73	808,230	44	542,293-	29-
14-16	2,010,243	1,468,452	73	713,573	35	754,879-	38-
15-17	2,103,933	1,426,466	68	556,964	26	869,502-	41-
FIVE-YEA	R AVERAGE						
13-17	1,925,983	1,371,140	71	666,368	35	704,772-	37-



ACCOUNT 369.1 OVERHEAD SERVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2000	516,244	7,527	1	2,848	1	4,679-	1-
2001	55,374	12,278	22		0	12,278-	22-
2002	37,332	31,391	84	959	3	30,432-	82-
2003	46,843	32,365	69	2,413	5	29,952-	64-
2004	41,301	32,007	77	4,683	11	27,324-	66-
2005	51,760	27,735	54	8,824	17	18,911-	37-
2006	64,263	33,664	52	5,169	8	28,494-	44-
2007	69,475	60,794	88	6,100	9	54,694-	79-
2008	202,065	122,789	61	16,660	8	106,129-	53-
2009	166,777	100,856	60	17,998	11	82,858-	50-
2010	141,095	85,458	61	8,237	6	77,221-	55-
2011	118,496	75,469	64	12,560	11	62,909-	53-
2012	126,495	89,718	71	9,182	7	80,536-	64-
2013	113,255	65,073	57	16,393	14	48,679-	43-
2014	126,822	55,065	43	13,684	11	41,381-	33-
2015	102,792	50,423	49	12,431	12	37,992-	37-
2016	123,950	66,623	54	15,143	12	51,480-	42-
2017	124,536	54,343	44	12,369	10	41,973-	34-
					_		
TOTAL	2,228,877	1,003,578	45	165,655	7	837,924-	38-
THREE-YE.	AR MOVING AVERAG	ES					
00-02	202,983	17,065	8	1,269	1	15,796-	8 –
01-03	46,516	25,345	54	1,124	2	24,221-	52-
02-04	41,825	31,921	76	2,685	6	29,236-	70-
03-05	46,635	30,702	66	5,307	11	25,396-	54-
04-06	52,441	31,135	59	6,225	12	24,910-	48-
05-07	61,833	40,731	66	6,698	11	34,033-	55-
06-08	111,934	72,416	65	9,310	8	63,106-	56-
07-09	146,106	94,813	65	13,586	9	81,227-	56-
08-10	169,979	103,034	61	14,298	8	88,736-	52-
09-11	142,123	87,261	61	12,932	9	74,329-	52-
10-12	128,696	83,548	65	9,993	8	73,555-	57-
11-13	119,416	76,753	64	12,712	11	64,041-	54-
12-14	122,191	69,952	57	13,086	11	56,866-	47-
13-15	114,290	56,854	50	14,170	12	42,684-	37-



ACCOUNT 369.1 OVERHEAD SERVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	117,855	57,371	49	13,753	12	43,618-	37-
15-17	117,093	57,130	49	13,314	11	43,815-	37-
FIVE-YEA	R AVERAGE						
13-17	118,271	58,305	49	14,004	12	44,301-	37-



ACCOUNT 369.2 UNDERGROUND SERVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2000	338,321	9,921	3	14,999	4	5,078	2
2001	25,303		0		0		0
2002	35,148	42,132	120	434	1	41,698-	119-
2003	57,778	46,586	81	7,221	12	39,365-	68-
2004	58,647	61,808	105	10,113	17	51,695-	88-
2005	69,982	46,412	66	9,084	13	37,328-	53-
2006	77,446	60,000	77	7,863	10	52,137-	67-
2007	114,497	78,138	68	16,672	15	61,466-	54-
2008	253,895	105,136	41	31,283	12	73,852-	29-
2009	128,097	101,735	79	30,380	24	71,355-	56-
2010	124,531	79,983	64	23,979	19	56,004-	45-
2011	94,786	76,612	81	16,543	17	60,069-	63-
2012	139,311	81,639	59	11,962	9	69,677-	50-
2013	93,463	76,817	82	29,162	31	47,655-	51-
2014	151,007	79,081	52	20,106	13	58,975-	39-
2015	106,819	69,021	65	30,456	29	38,565-	36-
2016	138,995	84,183	61	38,404	28	45,779-	33-
2017	119,596	50,051	42	15,970	13	34,081-	28-
TOTAL	2,127,622	1,149,253	54	314,631	15	834,622-	39-
THREE-YEA	AR MOVING AVERAG	ES					
00-02	132,924	17,351	13	5,144	4	12,207-	9-
01-03	39,409	29,572	75	2,552	6	27,021-	69-
02-04	50,524	50,175	99	5,923	12	44,252-	88-
03-05	62,136	51,602	83	8,806	14	42,796-	69-
04-06	68,692	56,073	82	9,020	13	47,053-	68-
05-07	87,308	61,517	70	11,206	13	50,310-	58-
06-08	148,613	81,091	55	18,606	13	62,485-	42-
07-09	165,496	95,003	57	26,112	16	68,891-	42-
08-10	168,841	95,618	57	28,547	17	67,070-	40-
09-11	115,805	86,110	74	23,634	20	62,476-	54-
10-12	119,543	79,411	66	17,495	15	61,916-	52-
11-13	109,187	78,356	72	19,222	18	59,134-	54-
12-14	127,927	79,179	62	20,410	16	58,769-	46-
13-15	117,096	74,973	64	26,575	23	48,398-	41-



ACCOUNT 369.2 UNDERGROUND SERVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	132,274	77,428	59	29,655	22	47,773-	36-
15-17	121,804	67,752	56	28,277	23	39,475-	32-
FIVE-YEA	R AVERAGE						
13-17	121,976	71,831	59	26,820	22	45,011-	37-



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	138,655	49,299	36	2,508	2	46,791-	34-
1993	95,147	52,684	55	1,500	2	51,184-	
1994	32,570	26,521	81	259	1	26,262-	
1995	22,565	25,891	115	450	2	25,442-	
1996	6,255	6,781	108	52	1	6,730-	
1997	5,589	6,097	109	501	9	5,597-	
1998	4,239	2,744	65	109	3	2,634-	62-
1999							
2000	70,798	3,781	5		0	3,781-	5 –
2001	19,511	1,946	10		0	1,946-	10-
2002	23,962	13,552	57	329	1	13,223-	55-
2003	23,906	15,987	67	975	4	15,012-	63-
2004	21,689	17,082	79	508	2	16,574-	
2005	16,429	13,413	82	1,082	7	12,331-	75-
2006	12,381	18,413	149	374	3	18,040-	146-
2007	12,602	15,544	123	127	1	15,418-	122-
2008	22,222	11,824	53	1,047	5	10,776-	48-
2009	17,377	26,807	154	774	4	26,033-	150-
2010	44,855	40,885	91	527	1	40,358-	90-
2011	28,088	31,432	112	806	3	30,626-	109-
2012	29,535	29,853	101	686	2	29,167-	99-
2013	27,603	21,072	76	1,982	7	19,090-	69-
2014	23,886	17,639	74	1,672	7	15,967-	67-
2015	25,124	9,418	37	715	3	8,703-	35-
2016	32,118	14,209	44	1,501	5	12,708-	40-
2017	24,472	8,259	34	335	1	7,924-	32-
TOTAL	781,576	481,134	62	18,818	2	462,316-	59-
THREE-YE	AR MOVING AVERAG	ES					
92-94	88,791	42,835	48	1,422	2	41,413-	47-
93-95	50,094	35,032	70	736	1	34,296-	68-
94-96	20,463	19,731	96	253	1	19,478-	95-
95-97	11,470	12,923	113	334	3	12,589-	
96-98	5,361	5,207	97	220	4	4,987-	93-
97-99	3,276	2,947	90	203	6	2,744-	84-
98-00	25,013	2,175	9	36	0	2,139-	9-
99-01	30,103	1,909	6	30	0	1,909-	6-
00-02	38,090	6,426	17	110	0	6,317-	17-
01-03	22,460	10,495	47	435	2	10,060-	45-
02-04	23,186	15,540	67	604	3	14,936-	64-



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	}					
03-05	20,675	15,494	75	855	4	14,639-	71-
04-06	16,833	16,303	97	654	4	15,648-	93-
05-07	13,804	15,790	114	527	4	15,263-	111-
06-08	15,735	15,261	97	516	3	14,745-	94-
07-09	17,400	18,058	104	649	4	17,409-	100-
08-10	28,151	26,505	94	783	3	25,722-	91-
09-11	30,107	33,041	110	703	2	32,339-	107-
10-12	34,159	34,057	100	673	2	33,384-	98-
11-13	28,408	27,452	97	1,158	4	26,294-	93-
12-14	27,008	22,855	85	1,447	5	21,408-	79-
13-15	25,538	16,043	63	1,456	6	14,587-	57-
14-16	27,043	13,755	51	1,296	5	12,459-	46-
15-17	27,238	10,629	39	850	3	9,778-	36-
FIVE-YEA	R AVERAGE						
13-17	26,641	14,119	53	1,241	5	12,878-	48-



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

		COST OF		GROSS		NET	
VE VD	REGULAR	REMOVAL	DOTT	SALVAGE	DOT	SALVAGE	Dam
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	158,934	58,588	37	3,599	2	54,989-	35-
1993	201,023	88,626	44	3,841	2	84,785-	
1994	116,101	104,252	90	2,056	2	102,196-	
1995	53,531	44,382	83	3,807	7	40,575-	76-
1996	11,279	12,633	112	431	4	12,202-	108-
1997	40,969	54,781	134	17,423	43	37,357-	91-
1998	86,195	51,385	60	8,112	9	43,273-	50-
1999							
2000	320,137	43,784	14	1,464	0	42,320-	13-
2001	119,338	15,961	13	140	0	15,822-	13-
2002	98,088	60,494	62	261	0	60,232-	61-
2003	159,074	58,246	37	5,445	3	52,801-	33-
2004	166,262	65,020	39	30,174	18	34,847-	21-
2005	125,609	52,715	42	5,036	4	47,679-	38-
2006	93,779	50,382	54	592	1	49,790-	53-
2007	111,179	59,665	54	1,978	2	57,688-	52-
2008	201,758	77,828	39	3,156	2	74,672-	37-
2009	173,187	92,512	53	10,117	6	82,394-	48-
2010	140,942	90,387	64	4,036	3	86,351-	61-
2011	176,138	74,699	42	7,724	4	66,975-	38-
2012	111,862	48,065	43	7,334	7	40,731-	36-
2013	152,616	63,784	42	10,107	7	53,677-	35-
2014	165,317	49,188	30	4,287	3	44,900-	27-
2015	209,684	29,490	14	6,090	3	23,400-	11-
2016	289,226	42,002	15	9,262	3	32,740-	11-
2017	189,071	37,190	20	6,132	3	31,058-	16-
TOTAL	3,671,296	1,426,059	39	152,605	4	1,273,454-	35-
THREE-YE	AR MOVING AVERAGI	ES					
92-94	158,686	83,822	53	3,165	2	80,657-	51-
93-95	123,551	79,087	64	3,235	3	75,852-	61-
94-96	60,303	53,756	89	2,098	3	51,657-	86-
95-97	35,260	37,265	106	7,221	20	30,045-	85-
96-98	46,148	39,600	86	8,655	19	30,944-	67-
97-99	42,388	35,389	83	8,512	20	26,877-	63-
98-00	135,444	31,723	23	3,192	2	28,531-	21-
99-01	146,492	19,915	14	534	0	19,381-	13-
00-02	179,188	40,080	22	621	0	39,458-	22-
01-03	125,500	44,900	36	1,949	2	42,952-	34-
02-04	141,141	61,253	43	11,960	8	49,293-	35-

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

	REGULAR	COST OF		GROSS		NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT	PCT	SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	}					
03-05	150,315	58,660	39	13,552	9	45,109-	30-
04-06	128,550	56,039	44	11,934	9	44,105-	34-
05-07	110,189	54,254	49	2,535	2	51,719-	47-
06-08	135,572	62,625	46	1,909	1	60,716-	45-
07-09	162,041	76,668	47	5,084	3	71,585-	44-
08-10	171,962	86,909	51	5,770	3	81,139-	47-
09-11	163,422	85,866	53	7,293	4	78,573-	48-
10-12	142,981	71,050	50	6,365	4	64,686-	45-
11-13	146,872	62,183	42	8,388	6	53,794-	37-
12-14	143,265	53,679	37	7,243	5	46,436-	32-
13-15	175,872	47,487	27	6,828	4	40,659-	23-
14-16	221,409	40,227	18	6,546	3	33,680-	15-
15-17	229,327	36,228	16	7,161	3	29,066-	13-
ETTE TEA							
FIAF-1EA	R AVERAGE						
13-17	201,183	44,331	22	7,176	4	37,155-	18-



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

VEAD	REGULAR RETIREMENTS	COST OF REMOVAL	DOT	GROSS SALVAGE	DOT	NET SALVAGE	DOT
YEAR		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	18,918	5,795	31	240-	1-	6,035-	32-
1993	31,538	26,219	83		0	26,219-	83-
1994	45,491	57,002	125	15-	0	57,018-	125-
1995	2,729	70,553		15	1	70,538-	
1996	905	58,923			0	58,923-	
1997	828,250	19,872-	- 2-		0	19,872	2
1998	299,248	29,218	10	55	0	29,163-	10-
1999	2	15,940-	-		0	15,940	
2000							
2001							
2002	1,217		0		0		0
2003	176,755	21,570	12		0	21,570-	12-
2004	185,892	15,104	8		0	15,104-	8 –
2005	1,112,811	74,294	7	4,112-	0	78,407-	7 –
2006	2,077,490	29,384	1		0	29,384-	1-
2007	301,596	38,627	13		0	38,627-	13-
2008	344,063	30,250	9		0	30,250-	9 –
2009	88,056	28,748	33		0	28,748-	33-
2010	107,424	43,270	40		0	43,270-	40-
2011	205,445	163,296	79		0	163,296-	79-
2012	961,785	119,847	12		0	119,847-	12-
2013	205,731	29,852	15		0	29,852-	15-
2014	805,047	29,055	4		0	29,055-	4-
2015	297,548	173,416	58		0	173,416-	58-
2016	508,844	240,768	47		0	240,768-	47-
2017	590,051	140,540	24		0	140,540-	24-
TOTAL	9,196,834	1,389,921	15	4,297-	0	1,394,219-	15-
THREE-YE	AR MOVING AVERAG	ES					
92-94	31,982	29,672	93	85-	0	29,757-	93-
93-95	26,586	51,258	193		0	51,258-	193-
94-96	16,375	62,160	380		0		380-
95-97	277,294	36,535	13	5	0	36,530-	13-
96-98	376,134	22,756	6	18	0	22,738-	6-
97-99	375,833	2,198-		18	0	2,216	1
98-00	99,750	4,426	4	18	0	4,408-	4-
99-01	1	5,313-		_0	0	5,313	=
00-02	406	-,5	0		0	-,	0
01-03	59,324	7,190	12		0	7,190-	12-
02-04	121,288	12,225	10		0	12,225-	10-
	•	-				-	



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

	DEGIII AD	COST OF		GROSS		NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT	PCT	SALVAGE AMOUNT	PCT
ILAK	KEITKEMENIS	AMOUNT	PCI	AMOUNI	PCI	AMOUNT	PCI
THREE-YE	AR MOVING AVERAGES						
03-05	491,819	36,990	8	1,371-	0	38,360-	8 –
04-06	1,125,398	39,594	4	1,371-	0	40,965-	4-
05-07	1,163,966	47,435	4	1,371-	0	48,806-	4-
06-08	907,716	32,754	4		0	32,754-	4-
07-09	244,572	32,541	13		0	32,541-	13-
08-10	179,847	34,089	19		0	34,089-	19-
09-11	133,642	78,438	59		0	78,438-	59-
10-12	424,885	108,804	26		0	108,804-	26-
11-13	457,654	104,332	23		0	104,332-	23-
12-14	657,521	59,585	9		0	59,585-	9 –
13-15	436,109	77,441	18		0	77,441-	18-
14-16	537,146	147,747	28		0	147,747-	28-
15-17	465,481	184,908	40		0	184,908-	40-
FIVE-YEA	R AVERAGE						
13-17	481,444	122,726	25		0	122,726-	25-



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS		PCT	AMOUNT	PCT	AMOUNT	PCT
1992	17,788		0	2,555	14	2,555	14
1993	32,882		0	2,333	0	2,333	0
1994	16,256		0	15,100	93	15,100	93
1995	3,100		0	7,505	242	7,505	242
1996	45,301		0	10,471	23	10,471	23
1997	107,108		0	13,840	13	13,840	13
1998	29,111		0		0		0
1999	179,361		0	23,919	13	23,919	13
2000	385,411		0	51,625	13	51,625	13
2001	470,012		0	50,265	11	50,265	11
2002	159,859		0	69,877	44	69,877	44
2003	611,268		0	19,771	3	19,771	3
2004	222,219		0	62,461	28	62,461	28
2005	884,668		0	86,061	10	86,061	10
2006	584,711		0	58,349	10	58,349	10
2007	521,498		0	48,812	9	48,812	9
2008	189,625		0	11,661	6	11,661	6
2009	838,357		0	46,322	6	46,322	6
2010	675,756		0	59,979	9	59,979	9
2011	303,907		0	26,477	9	26,477	9
2012	1,041,864		0	98,446	9	98,446	9
2013	313,918		0	28,583	9	28,583	9
2014	697,913		0	71,505	10	71,505	10
2015	1,045,097		0	85,846	8	85,846	8
2016	272,817		0	33,870	12	33,870	12
2017	138,849		0	6,450	5	6,450	5
TOTAL	9,788,656		0	989,752	10	989,752	10
THREE-YE	AR MOVING AVERAG	ES					
92-94	22,309		0	5,885	26	5,885	26
93-95	17,413		0	7,535	43	7,535	43
94-96	21,553		0	11,025	51	11,025	51
95-97	51,836		0	10,605	20	10,605	20
96-98	60,507		0	8,104	13	8,104	13
97-99	105,193		0	12,586	12	12,586	12
98-00	197,961		0	25,181	13	25,181	13
99-01	344,928		0	41,936	12	41,936	12
00-02	338,427		0	57,256	17	57,256	17
01-03	413,713		0	46,638	11	46,638	11
02-04	331,116		0	50,703	15	50,703	15



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT		GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	572,719		0	56,098	10	56,098	10
04-06	563,866		0	68,957	12	68,957	12
05-07	663,625		0	64,408	10	64,408	10
06-08	431,944		0	39,608	9	39,608	9
07-09	516,493		0	35,599	7	35,599	7
08-10	567,913		0	39,321	7	39,321	7
09-11	606,007		0	44,260	7	44,260	7
10-12	673,842		0	61,634	9	61,634	9
11-13	553,230		0	51,169	9	51,169	9
12-14	684,565		0	66,178	10	66,178	10
13-15	685,643		0	61,978	9	61,978	9
14-16	671,942		0	63,740	9	63,740	9
15-17	485,588		0	42,055	9	42,055	9
FIVE-YEA	R AVERAGE						
13-17	493,719		0	45,251	9	45,251	9



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

VII A D	REGULAR	COST OF REMOVAL	DOM	GROSS SALVAGE	D.CIII	NET SALVAGE	D.CIIII
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	412,593		0	42,116	10	42,116	10
1993	227,745		0	6,017	3	6,017	3
1994			0		0		0
1995	350,888		0	7,367	2	7,367	2
1996	185,230		0	11,576	6	11,576	6
1997	84,823		0	13,305	16	13,305	16
1998							
1999	225,914		0	30,127	13	30,127	13
2000	219,160		0	21,397	10	21,397	10
2001	91,177		0	9,751	11	9,751	11
2002	82,773		0	21,193	26	21,193	26
2003	197,027		0	2,719	1	2,719	1
2004	343,186		0	47,459	14	47,459	14
2005	224,656		0	27,692	12	27,692	12
2006	374,074		0	17,579	5	17,579	5
2007	753,975		0	71,460	9	71,460	9
2008	237,627		0	3,180	1	3,180	1
2009	137,314		0	10,042	7	10,042	7
2010	34,602		0	970-	3-	970-	3 –
2011	149,707		0	17,353	12	17,353	12
2012	292,834		0	14,402	5	14,402	5
2013	192,132		0	4,417	2	4,417	2
2014	686,690		0	49,577	7	49,577	7
2015	406,705		0	31,411	8	31,411	8
2016	394,672		0	37,605	10	37,605	10
2017	196,704		0	2,600	1	2,600	1
TOTAL	6,502,208		0	499,374	8	499,374	8
THREE-YE	CAR MOVING AVERAG	ES					
92-94	213,446		0	16,044	8	16,044	8
93-95	192,877		0	4,461	2	4,461	2
94-96	178,706		0	6,314	4	6,314	4
95-97	206,980		0	10,749	5	10,749	5
96-98	90,018		0	8,294	9	8,294	9
97-99	103,579		0	14,477	14	14,477	14
98-00	148,358		0	17,175	12	17,175	12
99-01	178,750		0	20,425	11	20,425	11
00-02	131,037		0	17,447	13	17,447	13
01-03	123,659		0	11,221	9	11,221	9
02-04	207,662		0	23,791	11	23,791	11



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	254,957		0	25,957	10	25,957	10
04-06	313,972		0	30,910	10	30,910	10
05-07	450,902		0	38,910	9	38,910	9
06-08	455,225		0	30,740	7	30,740	7
07-09	376,306		0	28,227	8	28,227	8
08-10	136,515		0	4,084	3	4,084	3
09-11	107,208		0	8,808	8	8,808	8
10-12	159,048		0	10,262	6	10,262	6
11-13	211,558		0	12,057	6	12,057	6
12-14	390,552		0	22,799	6	22,799	6
13-15	428,509		0	28,468	7	28,468	7
14-16	496,022		0	39,531	8	39,531	8
15-17	332,693		0	23,872	7	23,872	7
FIVE-YEAR	R AVERAGE						
13-17	375,381		0	25,122	7	25,122	7



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	5,493		0	200	4	200	4
1993	516		0		0		0
1994	1,449		0	388	27	388	27
1995	743		0	2,656	358	2,656	358
1996	20,545		0	1,046	5	1,046	5
1997	24,449		0	6,072	25	6,072	25
1998	9,033		0	65	1	65	1
1999	43,093		0	11,493	27	11,493	27
2000	66,528		0	13,178	20	13,178	20
2001	84,922		0	18,164	21	18,164	21
2002	58,206		0	7,258	12	7,258	12
2003	58,934		0	1,162-	2-	1,162-	2-
2004	14,105		0	645	5	645	5
2005	46,422		0	8,852	19	8,852	19
2006	48,143		0	1,139	2	1,139	2
2007	45,812		0	9,833	21	9,833	21
2008	44,147		0	3,611	8	3,611	8
2009	36,114		0	2,416	7	2,416	7
2010	56,750		0	138-	0	138-	0
2011	68,490		0	1,826	3	1,826	3
2012	63,241	2,109	3	3,001	5	891	1
2013	50,791	1,667	3	6,934-	14-	8,601-	17-
2014	75,509		0	20,935	28	20,935	28
2015	38,559		0	6,025	16	6,025	16
2016	9,936		0	2,275	23	2,275	23
2017	1,405		0	1,050	75	1,050	75
TOTAL	973,337	3,776	0	113,892	12	110,116	11
THREE-YE	AR MOVING AVERAG	ES					
92-94	2,486		0	196	8	196	8
93-95	903		0	1,015	112	1,015	112
94-96	7,579		0	1,363	18	1,363	18
95-97	15,246		0	3,258	21	3,258	21
96-98	18,009		0	2,394	13	2,394	13
97-99	25,525		0	5,877	23	5,877	23
98-00	39,551		0	8,246	21	8,246	21
99-01	64,848		0	14,278	22	14,278	22
00-02	69,885		0	12,867	18	12,867	18
01-03	67,354		0	8,087	12	8,087	12
02-04	43,748		0	2,247	5	2,247	5



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	}					
03-05	39,820		0	2,778	7	2,778	7
04-06	36,224		0	3,545	10	3,545	10
05-07	46,792		0	6,608	14	6,608	14
06-08	46,034		0	4,861	11	4,861	11
07-09	42,024		0	5,287	13	5,287	13
08-10	45,670		0	1,963	4	1,963	4
09-11	53,785		0	1,368	3	1,368	3
10-12	62,827	703	1	1,563	2	860	1
11-13	60,841	1,259	2	703-	1-	1,961-	3-
12-14	63,180	1,259	2	5,667	9	4,408	7
13-15	54,953	556	1	6,675	12	6,120	11
14-16	41,335		0	9,745	24	9,745	24
15-17	16,633		0	3,117	19	3,117	19
FIVE-YEA	R AVERAGE						
13-17	35,240	333	1	4,670	13	4,337	12



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

		COST OF	GROSS		NET	
	REGULAR	REMOVAL	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT PCT	AMOUNT	PCT	AMOUNT	PCT
1996	30,995	0	6,500	21	6,500	21
1997						
1998	105,786	0	17,300	16	17,300	16
1999	89,509	0	41,778	47	41,778	47
2000	670,235	0	250,947	37	250,947	37
2001	169,325	0	63,379	37	63,379	37
2002	290,586	0	31,894	11	31,894	11
2003	606,872	0	48,249	8	48,249	8
2004	158,342	0	44,520	28	44,520	28
2005	288,670	0	36,044	12	36,044	12
2006	250,788	0	44,277	18	44,277	18
2007	603,373	0	91,243	15	91,243	15
2008	546,736	0	60,304	11	60,304	11
2009	838,359	0	89,373	11	89,373	11
2010	446,866	0	55,662	12	55,662	12
2011	814,413	0	95,580	12	95,580	12
2012	977,389	0	109,718	11	109,718	11
2013	80,147	0	7,321	9	7,321	9
2014	50,378	0	2,997	6	2,997	6
2015	180,556	0	17,120	9	17,120	9
2016	781,144	0	78,534	10	78,534	10
2017	383,464	0	23,550	6	23,550	6
TOTAL	8,363,932	0	1,216,290	15	1,216,290	15
THREE-YE	AR MOVING AVERAG	ES				
96-98	45,594	0	7,933	17	7,933	17
97-99	65,098	0	19,693	30	19,693	30
98-00	288,510	0	103,342	36	103,342	36
99-01	309,690	0	118,701	38	118,701	38
00-02	376,716	0	115,407	31	115,407	31
01-03	355,595	0	47,841	13	47,841	13
02-04	351,933	0	41,554	12	41,554	12
03-05	351,294	0	42,938	12	42,938	12
04-06	232,600	0	41,614	18	41,614	18
05-07	380,943	0	57,188	15	57,188	15
06-08	466,965	0	65,275	14	65,275	14
07-09	662,822	0	80,307	12	80,307	12
08-10	610,654	0	68,446	11	68,446	11
09-11	699,879	0	80,205	11	80,205	11
10-12	746,223	0	86,987	12	86,987	12



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

		COST O	F	GROSS		NET	
	REGULAR	REMOVA	<u> </u>	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	CAR MOVING AVERAG	ES					
11-13	623,983		0	70,873	11	70,873	11
12-14	369,305		0	40,012	11	40,012	11
13-15	103,694		0	9,146	9	9,146	9
14-16	337,359		0	32,884	10	32,884	10
15-17	448,388		0	39,735	9	39,735	9
FIVE-YEA	AR AVERAGE						
13-17	295,138		0	25,904	9	25,904	9



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

		COST OF	GROSS	5	NET	
	REGULAR	REMOVAL	SALVA	ΞE	SALVAGE	
YEAR	RETIREMENTS	AMOUNT PC	T AMOUNT	PCT	AMOUNT	PCT
1992	111,260		0 38,22	9 34	38,229	34
1993	196,390		0 50,52	0 26	50,520	26
1994	28,587		0 29,47	6 103	29,476	103
1995	160,148		0 28,81	2 18	28,812	18
1996	226,604		0 75,00	5 33	75,005	33
1997	434,268		0 102,83	2 24	102,832	24
1998	548,510		0 69,25	3 13	69,253	13
1999	838,334		0 391,289	9 47	391,289	47
2000	1,400,300		0 487,26	1 35	487,261	35
2001	729,139		0 272,92	0 37	272,920	37
2002	573,717		0 123,84	7 22	123,847	22
2003	2,216,966		0 303,97	4 14	303,974	14
2004	403,177		0 159,08	2 39	159,082	39
2005	791,655		0 115,81	4 15	115,814	15
2006	2,052,915		0 213,47	7 10	213,477	10
2007	2,907,851		0 339,16	2 12	339,162	12
2008	937,376		0 208,889	9 22	208,889	22
2009	158,560		0 43,23	4 27	43,234	27
2010	681,797		0 96,24	1 14	96,241	14
2011	2,181,114		0 470,20	4 22	470,204	22
2012	1,086,598		0 245,69	1 23	245,691	23
2013	626,137		0 137,29	5 22	137,295	22
2014	562,868		0 74,01	1 13	74,011	13
2015	879,794		0 51,32	0 6	51,320	6
2016	1,060,460		0 43,19	0 4	43,190	4
2017	611,266		0 55,95	0 9	55,950	9
TOTAL	22,405,792		0 4,226,97	б 19	4,226,976	19
THREE-YE	AR MOVING AVERAG	ES				
92-94	112,079		0 39,40	8 35	39,408	35
93-95	128,375		0 36,26		36,269	28
94-96	138,446		0 44,43	1 32	44,431	32
95-97	273,673		0 68,88		68,883	25
96-98	403,127		0 82,36		82,363	20
97-99	607,037		0 187,79		187,791	31
98-00	929,048		0 315,93		315,934	34
99-01	989,258		0 383,82		383,823	39
00-02	901,052		0 294,67		294,676	33
01-03	1,173,274		0 233,58		233,580	20
02-04	1,064,620		0 195,63		195,634	18



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

		COST O	F	GROSS		NET	
	REGULAR	REMOVA:	L	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	CAR MOVING AVERAGES	5					
03-05	1,137,266		0	192,957	17	192,957	17
04-06	1,082,582		0	162,791	15	162,791	15
05-07	1,917,474		0	222,818	12	222,818	12
06-08	1,966,047		0	253,843	13	253,843	13
07-09	1,334,595		0	197,095	15	197,095	15
08-10	592,578		0	116,121	20	116,121	20
09-11	1,007,157		0	203,226	20	203,226	20
10-12	1,316,503		0	270,712	21	270,712	21
11-13	1,297,950		0	284,397	22	284,397	22
12-14	758,535		0	152,332	20	152,332	20
13-15	689,600		0	87,542	13	87,542	13
14-16	834,374		0	56,174	7	56,174	7
15-17	850,507		0	50,153	6	50,153	6
FIVE-YEA	AR AVERAGE						
13-17	748,105		0	72,353	10	72,353	10



WASHINGTON PROPERTY



ACCOUNT 360.2 LAND RIGHTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	2,572	1,723	67	74	3	1,649-	64-
1993	1		27		0		27-
1994							
1995							
1996							
1997							
1998							
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008	70,448		0		0		0
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
TOTAL	73,022	1,724	2	74	0	1,650-	2-
THREE-YE	CAR MOVING AVERAGES						
92-94	858	575	67	25	3	550-	64-
93-95			27		0		27-
94-96							
95-97							
96-98							
97-99							
98-00							
99-01							
00-02							
01-03							
02-04							

ACCOUNT 360.2 LAND RIGHTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05 04-06 05-07							
06-08	23,483		0		0		0
07-09	23,483		0		0		0
08-10	23,483		0		0		0
09-11							
10-12							
11-13							
12-14							
13-15							
14-16							
15-17							

FIVE-YEAR AVERAGE

13-17



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT	PCT
1992	16,174	445	3	0	445-	3-
1993	7,201	4,837	67	0	4,837-	67-
1994	9,955	,	0	0	,	0
1995						
1996	2,840		0	0		0
1997	66,890	2,109	3	0	2,109-	3 –
1998	5		0	0		0
1999						
2000						
2001						
2002	3,762		0	0		0
2003	5,406	250	5	0	250-	5 –
2004	5,419	870	16	0	870-	16-
2005	21,834		0	0		0
2006	965	581	60	0	581-	60-
2007	7,840	438	6	0	438-	6-
2008	2,872	208	7	0	208-	7 –
2009	3,639	225	6	0	225-	6-
2010	2,985	134	4	0	134-	4-
2011		367			367-	
2012	3,829	1,583	41	0	1,583-	41-
2013	12,635	540	4	0	540-	4-
2014	23,624	1,722	7	0	1,722-	7 –
2015						
2016	15,520		0	0		0
2017	11,077	1,694	15	0	1,694-	15-
TOTAL	224,472	16,003	7	0	16,003-	7-
THREE-YE	AR MOVING AVERAG	ES				
92-94	11,110	1,761	16	0	1,761-	16-
93-95	5,719	1,612	28	0	1,612-	28-
94-96	4,265		0	0	·	0
95-97	23,243	703	3	0	703-	3 –
96-98	23,245	703	3	0	703-	3 –
97-99	22,298	703	3	0	703-	3 –
98-00	2		0	0		0
99-01						
00-02	1,254		0	0		0
01-03	3,056	83	3	0	83-	3 –
02-04	4,862	373	8	0	373-	8 –

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS	NET	
	REGULAR	REMOVAL		SALVAGE	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	}				
03-05	10,886	373	3	0	373-	3 –
04-06	9,406	484	5	0	484-	5-
05-07	10,213	340	3	0	340-	3 –
06-08	3,892	409	11	0	409-	11-
07-09	4,784	290	6	0	290-	6-
08-10	3,165	189	6	0	189-	6-
09-11	2,208	242	11	0	242-	11-
10-12	2,271	695	31	0	695-	31-
11-13	5,488	830	15	0	830-	15-
12-14	13,363	1,282	10	0	1,282-	10-
13-15	12,087	754	6	0	754-	6-
14-16	13,048	574	4	0	574-	4 –
15-17	8,866	565	6	0	565-	6-
FIVE-YEA	R AVERAGE					
13-17	12,571	791	6	0	791-	6-



ACCOUNT 362 STATION EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	626,661	23,649	4	19,642	3	4,007-	1-
1993	271,355	63,443	23		0	63,443-	23-
1994	165,028	13,130	8		0	13,130-	8 –
1995	19,772	34,078	172	377	2	33,701-	170-
1996	113,427	267,535	236	15,060	13	252,475-	223-
1997	426,402	12,753	3	38,512	9	25,759	6
1998	77,315	24,040	31	166	0	23,874-	31-
1999	112	27,055			0	27,055-	
2000	131,925	9,285	7	3,120	2	6,165-	5 –
2001	182,118	60,812	33	18,675	10	42,137-	23-
2002	48,702	11,482	24		0	11,482-	24-
2003	283,427	12,944	5		0	12,944-	5 –
2004	130,870	91,219	70		0	91,219-	70-
2005	525,432	33,915	6		0	33,915-	6 –
2006	154,617	50,716	33		0	50,716-	33-
2007	76,764	21,433	28		0	21,433-	28-
2008	156,359	46,351	30		0	46,351-	30-
2009	243,804	60,676	25		0	60,676-	25-
2010	292,529	28,739	10		0	28,739-	10-
2011	183,336	54,066	29		0	54,066-	29-
2012	421,070	117,458	28	2,925	1	114,533-	27-
2013	184,571	49,456	27		0	49,456-	27-
2014	522,593	337,467	65		0	337,467-	65-
2015	295,446	200,262	68	61,941	21	138,321-	47-
2016	301,357	91,605	30		0	91,605-	30-
2017	234,716	49,270	21		0	49,270-	21-
TOTAL	6,069,708	1,792,838	30	160,418	3	1,632,420-	27-
THREE-YE	AR MOVING AVERAG	ES					
92-94	354,348	33,407	9	6,547	2	26,860-	8 –
93-95	152,052	36,884	24	126	0	36,758-	24-
94-96	99,409	104,914	106	5,146	5	99,768-	100-
95-97	186,533	104,789	56	17,983	10	86,806-	47-
96-98	205,714	101,443	49	17,913	9	83,530-	41-
97-99	167,943	21,283	13	12,893	8	8,390-	5-
98-00	69,784	20,127	29	1,095	2	19,031-	27-
99-01	104,718	32,384	31	7,265	7	25,119-	24-
00-02	120,915	27,193	22	7,265	6	19,928-	16-
01-03	171,416	28,413	17	6,225	4	22,188-	13-
02-04	154,333	38,548	25	, ,	0	38,548-	25-
	-	•				-	

ACCOUNT 362 STATION EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	313,243	46,026	15		0	46,026-	15-
04-06	270,306	58,616	22		0	58,616-	22-
05-07	252,271	35,354	14		0	35,354-	14-
06-08	129,247	39,500	31		0	39,500-	31-
07-09	158,975	42,820	27		0	42,820-	27-
08-10	230,897	45,255	20		0	45,255-	20-
09-11	239,890	47,827	20		0	47,827-	20-
10-12	298,979	66,754	22	975	0	65,779-	22-
11-13	262,993	73,660	28	975	0	72,685-	28-
12-14	376,078	168,127	45	975	0	167,152-	44-
13-15	334,203	195,728	59	20,647	6	175,081-	52-
14-16	373,132	209,778	56	20,647	6	189,131-	51-
15-17	277,173	113,712	41	20,647	7	93,065-	34-
FIVE-YEA	R AVERAGE						
13-17	307,737	145,612	47	12,388	4	133,224-	43-



ACCOUNT 364 POLES, TOWERS AND FIXTURES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	380,912	608,443	160	20,681	5	587,763-	154-
1993	519,673	606,723	117	18,756	4	587,967-	113-
1994	471,212	675,012	143	8,722	2	666,290-	141-
1995	271,227	410,427	151	11,846	4	398,581-	147-
1996	328,922	347,113	106	6,945	2	340,168-	103-
1997	206,678	607,299	294	24,243	12	583,056-	282-
1998	338,701	547,005	162	28,209	8	518,796-	153-
1999		428,968		18,879		410,090-	
2000	623,030	548,499	88	51,914	8	496,585-	80-
2001	226,998	612,589	270	30,860	14	581,729-	256-
2002	397,692	413,701	104	10,230	3	403,471-	101-
2003	308,169	410,123	133	67,775	22	342,348-	111-
2004	398,519	328,630	82	126,127	32	202,503-	51-
2005	292,319	572,370	196	74,676	26	497,694-	170-
2006	270,150	341,872	127	38,387	14	303,485-	
2007	301,865	445,642	148	49,388	16	396,254-	131-
2008	289,278	419,676	145	48,491	17	371,185-	
2009	249,275	314,152	126	44,549	18	269,603-	
2010	218,857	338,719	155	35,138	16	303,581-	
2011	205,634	370,760	180	55,909	27	314,851-	
2012	193,123	255,231	132	34,025	18	221,207-	
2013	291,719	261,778	90	99,198	34	162,580-	56-
2014	164,135	272,854	166	74,368	45	198,486-	
2015	184,999	343,899	186	28,983	16	314,916-	
2016	312,595	447,689	143	33,111	11	414,578-	
2017	235,122	366,743	156	16,994	7	349,749-	149-
TOTAL	7,680,805	11,295,918	147	1,058,404	14	10,237,515-	133-
THREE-YEA	AR MOVING AVERAG	ES					
92-94	457,265	630,059	138	16,053	4	614,006-	134-
93-95	420,704	564,054	134	13,108	3	550,946-	131-
94-96	357,120	477,517	134	9,171	3	468,346-	131-
95-97	268,943	454,946	169	14,345	5	440,602-	164-
96-98	291,434	500,472	172	19,799	7	480,673-	165-
97-99	181,793	527,757	290	23,777	13	503,980-	277-
98-00	320,577	508,157	159	33,001	10	475,157-	148-
99-01	283,343	530,019	187	33,884	12	496,135-	175-
00-02	415,907	524,930	126	31,001	7	493,929-	119-
01-03	310,953	478,805	154	36,288	12	442,516-	142-
02-04	368,127	384,152	104	68,044	18	316,108-	86-

ACCOUNT 364 POLES, TOWERS AND FIXTURES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	333,002	437,041	131	89,526	27	347,515-	104-
04-06	320,329	414,290	129	79,730	25	334,561-	104-
05-07	288,111	453,294	157	54,150	19	399,144-	139-
06-08	287,098	402,397	140	45,422	16	356,975-	124-
07-09	280,139	393,157	140	47,476	17	345,681-	123-
08-10	252,470	357,516	142	42,726	17	314,790-	125-
09-11	224,588	341,210	152	45,198	20	296,012-	132-
10-12	205,871	321,570	156	41,691	20	279,880-	136-
11-13	230,159	295,923	129	63,044	27	232,879-	101-
12-14	216,326	263,288	122	69,197	32	194,091-	90-
13-15	213,618	292,844	137	67,516	32	225,327-	105-
14-16	220,576	354,814	161	45,487	21	309,327-	140-
15-17	244,239	386,110	158	26,363	11	359,748-	147-
FIVE-YEA	R AVERAGE						
13-17	237,714	338,593	142	50,531	21	288,062-	121-



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

REMOULAR REMONT PCT AMOUNT PCT PC			COST OF		GROSS		NET	
1992 241,621 344,992 143 23,590 10 321,401- 133- 1993 477,571 356,852 75 17,730 4 339,121- 71- 1994 402,801 408,058 101 8,468 2 399,590- 99- 1995 190,856 233,235 122 7,878 4 225,357- 118- 1996 208,207 207,664 100 4,080 2 203,584- 98- 1997 169,685 264,265 156 21,433 13 242,832- 143- 1998 199,848 265,676 133 20,847 10 244,828- 123- 1999 142,989 38,329 104,660- 2000 611,062 124,171 20 114,122 19 10,049- 2- 2001 164,180 91,536 56 62,655 38 28,881- 18- 2002 262,146 216,209 82 7,763 3 208,446- 80- 2003 215,999 137,991 64 21,018 10 116,973- 54- 2004 137,581 103,136 75 29,278 21 73,888- 54- 2005 151,109 197,641 131 51,280 34 146,361- 97- 2006 122,466 142,296 116 17,995 15 124,301- 101- 2007 201,215 193,566 96 42,121 21 151,446- 75- 2008 645,172 121,380 19 23,459 4 97,922- 15- 2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,666- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 22,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 00-02 345,796 143,972 42 61,513 18 82,459- 24-		REGULAR	REMOVAL		SALVAGE		SALVAGE	
1993 477,571 356,852 75 17,730 4 339,121- 71- 1994 402,801 408,058 101 8,468 2 399,590- 99- 1995 190,856 233,235 122 7,878 4 225,357- 118- 1996 208,207 207,664 100 4,080 2 203,584- 98- 1997 169,685 264,265 156 21,433 13 242,832- 143- 1998 199,848 265,676 133 20,847 10 244,828- 123- 1999 142,989 38,329 104,660- 2000 611,062 124,171 20 114,122 19 10,049- 2- 2001 164,180 91,536 56 62,655 38 28,881- 18- 2002 262,146 216,209 82 7,763 3 208,446- 80- 2003 215,999 137,991 64 21,018 10 16,973- 54- 2004 137,581 103,136 75 29,278 21 73,858- 54- 2004 137,581 103,136 75 29,278 21 73,858- 54- 2005 151,109 197,641 131 51,280 34 146,361- 97- 2006 122,486 142,296 116 17,995 15 124,301- 101- 2007 201,215 193,566 96 42,121 21 151,446- 75- 2008 645,172 121,380 19 23,459 4 97,922- 15- 2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,666- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 185,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,400- 160- 98-00 270,303	YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1994	1992	241,621	344,992	143	23,590	10	321,401-	133-
1995	1993	477,571	356,852	75	17,730	4	339,121-	71-
1996	1994	402,801	408,058	101	8,468	2	399,590-	99-
1997	1995	190,856	233,235	122	7,878	4	225,357-	118-
1998	1996	208,207	207,664	100	4,080	2	203,584-	98-
1999	1997	169,685	264,265	156	21,433	13	242,832-	143-
2000 611,062 124,171 20 114,122 19 10,049- 2- 2001 164,180 91,536 56 62,655 38 28,881- 18- 2002 262,146 216,209 82 7,763 3 208,446- 80- 2003 215,999 137,991 64 21,018 10 116,973- 54- 2004 137,581 103,136 75 29,278 21 73,858- 54- 2005 151,109 197,641 131 51,280 34 146,361- 97- 2006 122,486 142,296 116 17,995 15 124,301- 101- 2007 201,215 193,566 96 42,121 21 151,446- 75- 2008 645,172 121,380 19 23,459 4 97,922- 15- 2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68-	1998	199,848	265,676	133	20,847	10	244,828-	123-
2001 164,180 91,536 56 62,655 38 28,881- 18- 2002 262,146 216,209 82 7,763 3 208,446- 80- 2003 215,999 137,991 64 21,018 10 116,973- 54- 2004 137,581 103,136 75 29,278 21 73,858- 54- 2005 151,109 197,641 131 51,280 34 146,361- 97- 2006 122,486 142,296 116 17,995 15 124,301- 101- 2007 201,215 193,566 96 42,121 21 151,446- 75- 2008 645,172 121,380 19 23,459 4 97,922- 15- 2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 2996,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	1999		142,989		38,329		104,660-	
2002 262,146 216,209 82 7,763 3 208,446-80- 2003 215,999 137,991 64 21,018 10 116,973-54- 2004 137,581 103,136 75 29,278 21 73,858-54- 2005 151,109 197,641 131 51,280 34 146,361-97- 2006 122,486 142,296 116 17,995 15 124,301-101- 2007 201,215 193,566 96 42,121 21 151,446-75- 2008 645,172 121,380 19 23,459 4 97,922-15- 2009 185,726 94,270 51 21,744 12 72,526-39- 2010 84,364 120,675 143 39,674 47 81,001-96- 2011 183,861 144,432 79 31,232 17 113,200-62- 2012 96,324 95,750 99 12,537 13 83,213-86- 2013 179,808 106,846 59 73,160 41 33,686-19- 2014 164,918 137,919 84 19,605 12 118,315-72- 2015 171,966 148,797 87 31,600 41 33,686-19- 2016 296,096 239,113 81 29,201 10 209,913-71- 2017 170,861 186,627 109 1,455 1 185,172-108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834-68- THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356-90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925-118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440-160- 98-00 270,303 177,612 66 57,766 21 119,846-44- 99-01 258,414 119,566 46 71,702 28 47,863-19- 00-02 345,796 143,972 42 61,513 18 82,459-24- 01-03 214,109 148,579 69 30,478 14 118,100-55-	2000	611,062	124,171	20	114,122	19	10,049-	2-
2003 215,999 137,991 64 21,018 10 116,973- 54- 2004 137,581 103,136 75 29,278 21 73,858- 54- 2005 151,109 197,641 131 51,280 34 146,361- 97- 2006 122,486 142,296 116 17,995 15 124,301- 101- 2007 201,215 193,566 96 42,121 21 151,446- 75- 2008 645,172 121,380 19 23,459 4 97,922- 15- 2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2001	164,180	91,536	56	62,655	38	28,881-	18-
2004 137,581 103,136 75 29,278 21 73,858- 54- 2005 151,109 197,641 131 51,280 34 146,361- 97- 2006 122,486 142,296 116 17,995 15 124,301- 101- 2007 201,215 193,566 96 42,121 21 151,446- 75- 2008 645,172 121,380 19 23,459 4 97,922- 15- 2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,332 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2002	262,146	216,209	82	7,763	3	208,446-	80-
2005	2003	215,999	137,991	64	21,018	10	116,973-	54-
2006 122,486 142,296 116 17,995 15 124,301- 101- 2007 201,215 193,566 96 42,121 21 151,446- 75- 2008 645,172 121,380 19 23,459 4 97,922- 15- 2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2004	137,581	103,136	75	29,278	21	73,858-	54-
2007 201,215 193,566 96 42,121 21 151,446- 75- 2008 645,172 121,380 19 23,459 4 97,922- 15- 2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2005	151,109	197,641	131	51,280	34	146,361-	97-
2008 645,172 121,380 19 23,459 4 97,922- 15- 2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES P2-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2006	122,486	142,296	116	17,995	15	124,301-	101-
2009 185,726 94,270 51 21,744 12 72,526- 39- 2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2007	201,215	193,566	96	42,121	21	151,446-	75-
2010 84,364 120,675 143 39,674 47 81,001- 96- 2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2008	645,172	121,380	19	23,459	4	97,922-	15-
2011 183,861 144,432 79 31,232 17 113,200- 62- 2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,886 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2009	185,726	94,270	51	21,744	12	72,526-	39-
2012 96,324 95,750 99 12,537 13 83,213- 86- 2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,663- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2010	84,364	120,675	143	39,674	47	81,001-	96-
2013 179,808 106,846 59 73,160 41 33,686- 19- 2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2011	183,861	144,432	79	31,232	17	113,200-	62-
2014 164,918 137,919 84 19,605 12 118,315- 72- 2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2012	96,324	95,750	99	12,537	13	83,213-	86-
2015 171,966 148,797 87 31,600 18 117,197- 68- 2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2013	179,808	106,846	59	73,160	41	33,686-	19-
2016 296,096 239,113 81 29,201 10 209,913- 71- 2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2014	164,918	137,919	84	19,605	12	118,315-	72-
2017 170,861 186,627 109 1,455 1 185,172- 108- TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972	2015	171,966	148,797	87	31,600	18	117,197-	68-
TOTAL 5,935,464 4,826,087 81 772,253 13 4,053,834- 68- THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2016	296,096	239,113	81	29,201	10	209,913-	71-
THREE-YEAR MOVING AVERAGES 92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	2017	170,861	186,627	109	1,455	1	185,172-	108-
92-94 373,998 369,967 99 16,596 4 353,371- 94- 93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	TOTAL	5,935,464	4,826,087	81	772,253	13	4,053,834-	68-
93-95 357,076 332,715 93 11,359 3 321,356- 90- 94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	THREE-YEA	AR MOVING AVERAG	ES					
94-96 267,288 282,986 106 6,809 3 276,177- 103- 95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	92-94	373,998	369,967	99	16,596	4	353,371-	94-
95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	93-95	357,076	332,715	93	11,359	3	321,356-	90-
95-97 189,582 235,055 124 11,130 6 223,925- 118- 96-98 192,580 245,868 128 15,453 8 230,415- 120- 97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	94-96	267,288	282,986	106	6,809	3	276,177-	103-
97-99 123,177 224,310 182 26,870 22 197,440- 160- 98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	95-97	189,582	235,055	124		6	223,925-	118-
98-00 270,303 177,612 66 57,766 21 119,846- 44- 99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	96-98	192,580	245,868	128			230,415-	120-
99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	97-99	123,177	224,310	182	26,870	22	197,440-	160-
99-01 258,414 119,566 46 71,702 28 47,863- 19- 00-02 345,796 143,972 42 61,513 18 82,459- 24- 01-03 214,109 148,579 69 30,478 14 118,100- 55-	98-00	270,303		66	57,766	21	119,846-	44-
00-02 345,796 143,972 42 61,513 18 82,459-24- 01-03 214,109 148,579 69 30,478 14 118,100-55-	99-01						47,863-	19-
01-03 214,109 148,579 69 30,478 14 118,100- 55-	00-02							
	01-03							

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL	PCT	GROSS SALVAGE	PCT	NET SALVAGE AMOUNT	PCT
	-	AMOUNT	PCI	AMOUNT	PCI	AMOUNT	PCI
THREE-YE	AR MOVING AVERAGES						
03-05	168,230	146,256	87	33,859	20	112,397-	67-
04-06	137,059	147,691	108	32,851	24	114,840-	84-
05-07	158,270	177,835	112	37,132	23	140,703-	89-
06-08	322,958	152,414	47	27,858	9	124,556-	39-
07-09	344,038	136,406	40	29,108	8	107,298-	31-
08-10	305,087	112,108	37	28,292	9	83,816-	27-
09-11	151,317	119,792	79	30,883	20	88,909-	59-
10-12	121,516	120,286	99	27,814	23	92,471-	76-
11-13	153,331	115,676	75	38,976	25	76,700-	50-
12-14	147,017	113,505	77	35,101	24	78,405-	53-
13-15	172,231	131,187	76	41,455	24	89,733-	52-
14-16	210,994	175,277	83	26,802	13	148,475-	70-
15-17	212,974	191,512	90	20,752	10	170,761-	80-
FIVE-YEA	R AVERAGE						
13-17	196,730	163,861	83	31,004	16	132,857-	68-



ACCOUNT 366 UNDERGROUND CONDUIT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	15,453	25,619	166	1,224	8	24,395-	158-
1993	33,983	16,835	50	1,320	4	15,515-	46-
1994	21,068	21,980	104	362	2	21,618-	
1995	89,895	52,298	58	931	1	51,367-	57-
1996	2,981	1,245	42	36	1	1,209-	41-
1997	11,550	10,084	87	854	7	9,230-	80-
1998	14,382	13,442	93	503	3	12,939-	90-
1999		5,139		1,515		3,624-	
2000	18,368	9,705	53		0	9,705-	53-
2001	7,887	7,367	93		0	7,367-	93-
2002	7,612	16,964	223	2,325	31	14,639-	192-
2003	13,356	13,677	102	851	6	12,827-	96-
2004	31,029	39,618	128	6,758	22	32,860-	106-
2005	36,272	7,423	20	1,219	3	6,204-	17-
2006	31,093	8,700	28	3,121	10	5,579-	18-
2007	8,960	13,790	154	574	6	13,216-	148-
2008	29,301	8,857	30	1,254	4	7,603-	26-
2009	15,597	27,279	175	9,315	60	17,964-	115-
2010	31,256		117	9,508	30	27,001-	86-
2011	73,375	31,040	42	15,314	21	15,726-	21-
2012	30,467	11,283	37	651	2	10,632-	35-
2013	10,128	7,972	79	10,500	104	2,528	25
2014	11,035	7,516	68	563	5	6,953-	63-
2015	18,599	9,902	53	1,687	9	8,215-	44-
2016	25,598	25,062	98	22,601	88	2,461-	10-
2017	13,818	6,058	44		0	6,058-	44-
TOTAL	603,064	435,363	72	92,984	15	342,379-	57-
THREE-YE.	AR MOVING AVERAG	ES					
92-94	23,501	21,478	91	969	4	20,509-	87-
93-95	48,315	30,371	63	871	2	29,500-	61-
94-96	37,981	25,174	66	443	1	24,731-	65-
95-97	34,809	21,209	61	607	2	20,602-	59-
96-98	9,638	8,257	86	464	5	7,793-	81-
97-99	8,644	9,555	111	957	11	8,598-	99-
98-00	10,917	9,429	86	673	6	8,756-	80-
99-01	8,752	7,404	85	505	6	6,899-	79-
00-02	11,289	11,346	101	775	7	10,571-	94-
01-03	9,618	12,670	132	1,059	11	11,611-	121-
02-04	17,332	23,420	135	3,311	19	20,109-	116-

ACCOUNT 366 UNDERGROUND CONDUIT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	26,886	20,239	75	2,943	11	17,297-	64-
04-06	32,798	18,580	57	3,699	11	14,881-	45-
05-07	25,442	9,971	39	1,638	6	8,333-	33-
06-08	23,118	10,449	45	1,649	7	8,799-	38-
07-09	17,953	16,642	93	3,714	21	12,928-	72-
08-10	25,385	24,215	95	6,692	26	17,523-	69-
09-11	40,076	31,609	79	11,379	28	20,230-	50-
10-12	45,033	26,277	58	8,491	19	17,786-	39-
11-13	37,990	16,765	44	8,822	23	7,943-	21-
12-14	17,210	8,924	52	3,905	23	5,019-	29-
13-15	13,254	8,463	64	4,250	32	4,213-	32-
14-16	18,411	14,160	77	8,283	45	5,877-	32-
15-17	19,338	13,674	71	8,096	42	5,578-	29-
FIVE-YEA	R AVERAGE						
13-17	15,836	11,302	71	7,070	45	4,232-	27-



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	14,730	29,917	203	1,032	7	28,885-	196-
1993	89,216	37,014	41	1,468	2	35,546-	40-
1994	58,694	20,064	34	503	1	19,561-	33-
1995	79,693-	38,919-		1,021-		37,899	48-
1996	87,257	46,063	53	145	0	45,917-	53-
1997	47,913	44,640	93	3,119	7	41,521-	87-
1998	107,669	11,870	11	412	0	11,458-	11-
1999	•	1,713		3,077		1,364	
2000	164,328	3,030	2	•	0	3,030-	2-
2001	11,974	1,958	16		0	1,958-	16-
2002	15,218	7,369	48	443	3	6,926-	46-
2003	35,147	13,474	38	6,226	18	7,248-	21-
2004	21,850	12,413	57	12,030	55	383-	2-
2005	19,929	11,915	60	11,004	55	911-	5 –
2006	7,748	18,836	243	2,295	30	16,541-	213-
2007	11,594	38,488	332	1,345	12	37,143-	320-
2008	57,212	18,373	32	2,718	5	15,654-	27-
2009	38,310	18,559	48	5,291	14	13,268-	35-
2010	36,323	18,046	50	5,166	14	12,880-	35-
2011	82,849	44,266	53	27,074	33	17,192-	21-
2012	25,914	11,299	44	840	3	10,459-	40-
2013	21,857	14,472	66	9,779	45	4,693-	21-
2014	21,189	3,672	17	1,154	5	2,518-	12-
2015	32,257	25,135	78	1,995	6	23,140-	72-
2016	29,678	39,932	135	10,517	35	29,415-	99-
2017	33,373	17,978	54	1,549	5	16,429-	49-
TOTAL	992,537	471,577	48	108,164	11	363,413-	37-
THREE-YE	AR MOVING AVERAG	ES					
92-94	54,213	28,998	53	1,001	2	27,997-	52-
93-95	22,739	6,053	27	317	1	5,736-	25-
94-96	22,086	9,069	41	124-	1-	9,193-	42-
95-97	18,492	17,261	93	748	4	16,513-	89-
96-98	80,946	34,191	42	1,225	2	32,965-	41-
97-99	51,861	19,408	37	2,203	4	17,205-	33-
98-00	90,666	5,538	6	1,163	1	4,375-	5 –
99-01	58,767	2,234	4	1,026	2	1,208-	2-
00-02	63,840	4,119	6	148	0	3,972-	6 –
01-03	20,780	7,601	37	2,223	11	5,378-	26-
02-04	24,072	11,085	46	6,233	26	4,852-	20-

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	REGULAR RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	25,642	12,600	49	9,753	38	2,847-	11-
04-06	16,509	14,388	87	8,443	51	5,945-	36-
05-07	13,091	23,080	176	4,881	37	18,198-	139-
06-08	25,518	25,232	99	2,119	8	23,113-	91-
07-09	35,705	25,140	70	3,118	9	22,022-	62-
08-10	43,948	18,326	42	4,392	10	13,934-	32-
09-11	52,494	26,957	51	12,510	24	14,447-	28-
10-12	48,362	24,537	51	11,027	23	13,510-	28-
11-13	43,540	23,346	54	12,564	29	10,781-	25-
12-14	22,987	9,815	43	3,925	17	5,890-	26-
13-15	25,101	14,427	57	4,309	17	10,117-	40-
14-16	27,708	22,913	83	4,555	16	18,358-	66-
15-17	31,770	27,682	87	4,687	15	22,995-	72-
FIVE-YEA	R AVERAGE						
13-17	27,671	20,238	73	4,999	18	15,239-	55-



ACCOUNT 368 LINE TRANSFORMERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	361,962	172,867	48	77,929	22	94,937-	26-
1993	143,059	651,267	455	12,254	9	639,013-	447-
1994	231,394	239,167-	- 103-	3,284	1	242,451	105
1995	118,788	126,213	106	37,590	32	88,623-	75-
1996	111,372	120,690	108	19,603	18	101,087-	91-
1997	109,008	145,532	134	6,935	6	138,597-	127-
1998	47,212	29,067	62	1,535	3	27,532-	58-
1999		10,821		430		10,390-	
2000	1,079,916	19,932	2	97,388	9	77,456	7
2001	469,700	17,476	4	2,898-	1-	20,374-	4 –
2002	716,903	413,589	58	51,627	7	361,962-	50-
2003	714,107	367,600	51	148,219	21	219,381-	31-
2004	634,724	324,334	51	257,502	41	66,832-	11-
2005	743,308	277,542	37	166,033	22	111,510-	15-
2006	521,912	362,952	70	158,943	30	204,009-	39-
2007	744,078	502,594	68	179,129	24	323,465-	43-
2008	836,068	437,934	52	231,299	28	206,634-	25-
2009	733,956	439,729	60	152,238	21	287,491-	39-
2010	778,951	513,112	66	77,198	10	435,913-	56-
2011	816,949	483,797	59	247,123	30	236,674-	29-
2012	570,652	269,132	47	46,082	8	223,050-	39-
2013	506,443	277,281	55	209,375	41	67,906-	13-
2014	487,643	240,909	49	111,397	23	129,512-	27-
2015	619,638	263,951	43	96,695	16	167,256-	27-
2016	705,066	333,743	47	124,823	18	208,920-	30-
2017	630,221	280,300	44	80,077	13	200,223-	32-
TOTAL	13,433,031	6,843,197	51	2,591,810	19	4,251,386-	32-
THREE-YEA	AR MOVING AVERAG	EES					
92-94	245,472	194,989	79	31,156	13	163,833-	67-
93-95	164,414	179,438	109	17,709	11	161,728-	98-
94-96	153,851	2,579	2	20,159	13	17,580	11
95-97	113,056	130,812	116	21,376	19	109,436-	97-
96-98	89,198	98,430	110	9,358	10	89,072-	100-
97-99	52,073	61,806	119	2,967	6	58,840-	113-
98-00	375,709	19,940	5	33,118	9	13,178	4
99-01	516,539	16,076	3	31,640	6	15,564	3
00-02	755,506	150,333	20	48,706	6	101,627-	13-
01-03	633,570	266,222	42	65,649	10	200,572-	32-
02-04	688,578	368,508	54	152,449	22	216,058-	31-



ACCOUNT 368 LINE TRANSFORMERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	697,380	323,159	46	190,585	27	132,574-	19-
04-06	633,315	321,609	51	194,159	31	127,450-	20-
05-07	669,766	381,029	57	168,035	25	212,995-	32-
06-08	700,686	434,493	62	189,790	27	244,703-	35-
07-09	771,368	460,085	60	187,555	24	272,530-	35-
08-10	782,992	463,591	59	153,579	20	310,013-	40-
09-11	776,619	478,879	62	158,853	20	320,026-	41-
10-12	722,184	422,013	58	123,468	17	298,546-	41-
11-13	631,348	343,403	54	167,527	27	175,877-	28-
12-14	521,579	262,441	50	122,285	23	140,156-	27-
13-15	537,908	260,714	48	139,156	26	121,558-	23-
14-16	604,116	279,534	46	110,972	18	168,563-	28-
15-17	651,642	292,665	45	100,531	15	192,133-	29-
FIVE-YEA	R AVERAGE						
13-17	589,802	279,237	47	124,473	21	154,764-	26-



ACCOUNT 369.1 OVERHEAD SERVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2000	106,212	1,832	2	9,666	9	7,834	7
2001	10,046	3,359	33		0	3,359-	33-
2002	1,449	2,981	206	345	24	2,636-	182-
2003	13,704	8,271	60	1,341	10	6,930-	51-
2004	25,693	6,333	25	2,535	10	3,798-	15-
2005	10,124	3,611	36	419	4	3,192-	32-
2006	10,815	9,615	89	1,045	10	8,570-	79-
2007	11,875	13,478	114	4,238	36	9,240-	78-
2008	71,547	50,598	71	10,523	15	40,075-	56-
2009	57,152	44,190	77	11,685	20	32,506-	57-
2010	51,353	45,664	89	12,589	25	33,075-	64-
2011	36,051	36,740	102	5,789	16	30,951-	86-
2012	56,308	32,571	58	5,013	9	27,558-	49-
2013	43,211	36,205	84	10,077	23	26,128-	60-
2014	31,689	25,534	81	16,609	52	8,925-	28-
2015	29,094	20,666	71	3,707	13	16,958-	58-
2016	30,918	29,625	96	10,016	32	19,609-	63-
2017	29,970	20,133	67	5,473	18	14,660-	49-
TOTAL	627,209	391,408	62	111,071	18	280,337-	45-
THREE-YEA	AR MOVING AVERAGE	ES					
00-02	39,235	2,724	7	3,337	9	613	2
01-03	8,399	4,871	58	562	7	4,308-	51-
02-04	13,615	5,862	43	1,407	10	4,455-	33-
03-05	16,507	6,072	37	1,432	9	4,640-	28-
04-06	15,544	6,520	42	1,333	9	5,187-	33-
05-07	10,938	8,902	81	1,901	17	7,001-	64-
06-08	31,412	24,564	78	5,269	17	19,295-	61-
07-09	46,858	36,089	77	8,815	19	27,274-	58-
08-10	60,017	46,818	78	11,599	19	35,219-	59-
09-11	48,185	42,198	88	10,021	21	32,177-	67-
10-12	47,904	38,325	80	7,797	16	30,528-	64-
11-13	45,190	35,172	78	6,960	15	28,212-	62-
12-14	43,736	31,436	72	10,566	24	20,870-	48-
13-15	34,665	27,468	79	10,131	29	17,337-	50-



ACCOUNT 369.1 OVERHEAD SERVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	30,567	25,275	83	10,111	33	15,164-	50-
15-17	29,994	23,475	78	6,399	21	17,076-	57-
FIVE-YEA	R AVERAGE						
13-17	32,976	26,432	80	9,176	28	17,256-	52-



ACCOUNT 369.2 UNDERGROUND SERVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2000	30,510	1,200	4	708	2	492-	2-
2001	3,360		0		0		0
2002	12,045	5,776	48	115	1	5,661-	47-
2003	6,794	9,124	134	2,003	29	7,121-	
2004	18,353	14,520	79	3,595	20	10,924-	60-
2005	16,929	10,323	61	1,737	10	8,586-	51-
2006	24,433	12,262	50	4,248	17	8,014-	33-
2007	22,028	27,036	123	3,533	16	23,503-	107-
2008	25,299	24,256	96	3,199	13	21,056-	83-
2009	57,801	64,672	112	8,666	15	56,007-	97-
2010	26,474	33,311	126	6,171	23	27,140-	103-
2011	17,711	16,477	93	9,506	54	6,971-	39-
2012	36,375	25,699	71	520	1	25,179-	69-
2013	23,801	19,388	81	14,819	62	4,570-	19-
2014	25,009	19,569	78	8,904	36	10,664-	43-
2015	44,395	27,351	62	5,286	12	22,065-	50-
2016	30,102	25,173	84	8,639	29	16,534-	55-
2017	42,656	17,267	40	15,565	36	1,703-	4 –
TOTAL	464,074	353,405	76	97,214	21	256,191-	55-
THREE-YEA	AR MOVING AVERAGE	IS					
00-02	15,305	2,325	15	274	2	2,051-	13-
01-03	7,400	4,967	67	706	10	4,261-	58-
02-04	12,397	9,807	79	1,904	15	7,902-	64-
03-05	14,025	11,322	81	2,445	17	8,877-	63-
04-06	19,905	12,368	62	3,193	16	9,175-	46-
05-07	21,130	16,540	78	3,173	15	13,368-	63-
06-08	23,920	21,184	89	3,660	15	17,524-	73-
07-09	35,043	38,655	110	5,133	15	33,522-	96-
08-10	36,525	40,746	112	6,012	16	34,734-	95-
09-11	33,995	38,153	112	8,114	24	30,039-	88-
10-12	26,853	25,162	94	5,399	20	19,763-	74-
11-13	25,962	20,521	79	8,281	32	12,240-	47-
12-14	28,395	21,552	76	8,081	28	13,471-	47-
13-15	31,068	22,103	71	9,670	31	12,433-	40-



ACCOUNT 369.2 UNDERGROUND SERVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	33,169	24,031	72	7,610	23	16,421-	50-
15-17	39,051	23,264	60	9,830	25	13,434-	34-
FIVE-YEA	R AVERAGE						
13-17	33,192	21,750	66	10,643	32	11,107-	33-



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	21,972	13,774	63	353	2	13,421-	61-
1993	18,825	20,463	109	664	4	19,799-	105-
1994	13,446	24,638	183	1,047	8	23,592-	175-
1995	6,110	8,391	137	163	3	8,228-	135-
1996	435	187	43	2	0	186-	43-
1997	1,868	2,028	109	131	7	1,898-	102-
1998	1,269	1,294	102	49	4	1,245-	98-
1999							
2000	11,503	433	4		0	433-	4 –
2001	2,794	504	18		0	504-	18-
2002	1,311	548	42	35	3	514-	39-
2003	3,163	2,356	74	292	9	2,064-	65-
2004	4,083	3,934	96	1,483	36	2,451-	60-
2005	9,435	4,193	44	17	0	4,175-	44-
2006	4,490	9,428	210	6,026	134	3,402-	76-
2007	3,311	4,992	151	199	6	4,792-	
2008	4,262	5,995	141	49	1	5,946-	
2009	2,878	3,810	132	136	5	3,674-	
2010	1,688	1,147	68	139	8	1,007-	60-
2011	2,719	5,912	217	97	4	5,815-	
2012	5,113	5,856	115	1,349	26	4,506-	88-
2013	2,543		151	94	4	3,758-	
2014	3,744	•	175	421	11	6,125-	
2015	2,158		188	23	1	4,029-	
2016	2,833	6,409	226		0	6,409-	
2017	2,363	3,859	163	119	5	3,740-	158-
TOTAL	134,316	144,600	108	12,887	10	131,713-	98-
THREE-YE	AR MOVING AVERAG	ES					
92-94	18,081	19,625	109	688	4	18,937-	105-
93-95	12,794	17,831	139	624	5	17,206-	134-
94-96	6,664	11,072	166	404	6	10,669-	160-
95-97	2,805	3,535	126	98	4	3,437-	123-
96-98	1,191	1,170	98	60	5	1,109-	93-
97-99	1,046	1,107	106	60	6	1,047-	
98-00	4,257	576	14	16	0	559-	13-
99-01	4,766	312	7		0	312-	7 –
00-02	5,202	495	10	12	0	484-	9 –
01-03	2,422	1,136	47	109	4	1,028-	42-
02-04	2,852	2,280	80	603	21	1,676-	59-

ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

		COST OF		GROSS		NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT	PCT	SALVAGE AMOUNT	PCT
ILAK	KEIIKEMENIS	AMOUNT	PCI	AMOUNI	PCI	AMOUNT	PCI
THREE-YE.	AR MOVING AVERAGES						
03-05	5,560	3,494	63	597	11	2,897-	52-
04-06	6,003	5,851	97	2,509	42	3,343-	56-
05-07	5,745	6,204	108	2,081	36	4,123-	72-
06-08	4,021	6,805	169	2,091	52	4,713-	117-
07-09	3,484	4,932	142	128	4	4,804-	138-
08-10	2,943	3,651	124	108	4	3,543-	120-
09-11	2,428	3,623	149	124	5	3,499-	144-
10-12	3,173	4,305	136	529	17	3,776-	119-
11-13	3,458	5,206	151	513	15	4,693-	136-
12-14	3,800	5,418	143	621	16	4,796-	126-
13-15	2,815	4,817	171	179	6	4,637-	165-
14-16	2,912	5,669	195	148	5	5,521-	190-
15-17	2,452	4,773	195	47	2	4,726-	193-
FIVE-YEA	R AVERAGE						
13-17	2,728	4,943	181	131	5	4,812-	176-



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	28,978	31,934	110	1,426	5	30,508-	105-
1993	77,507	57,987	75	6,700	9	51,288-	66-
1994	16,185	14,233	88	293	2	13,940-	86-
1995	6,566	106,654		2,659	40	103,996-	
1996	3,571	105	3	276	8	171	5
1997	5,697	7,686	135	663	12	7,023-	123-
1998	2,663	4,253	160	716	27	3,537-	133-
1999							
2000	56,528	7,021	12	1,245	2	5,776-	10-
2001	6,643	1,035	16		0	1,035-	16-
2002	7,702	6,505	84	13	0	6,492-	84-
2003	18,329	7,236	39	902	5	6,335-	35-
2004	11,415	6,441	56	1,879	16	4,562-	40-
2005	18,033	3,119	17	69	0	3,050-	17-
2006	31,916	20,501	64	7,672	24	12,829-	40-
2007	28,471	12,228	43	4,990	18	7,238-	25-
2008	33,776	16,726	50	2,566	8	14,161-	42-
2009	16,941	7,289	43	1,347	8	5,941-	35-
2010	23,494	16,333	70	266	1	16,067-	68-
2011	40,690	11,038	27	248	1	10,790-	27-
2012	24,170	25,189	104	1,541	6	23,649-	98-
2013	18,870	9,271	49	262	1	9,009-	48-
2014	19,665	6,166	31	68	0	6,098-	31-
2015	30,106	21,910	73	272	1	21,638-	72-
2016	31,458	20,242	64	119	0	20,123-	64-
2017	35,370	26,777	76	623	2	26,153-	74-
TOTAL	594,743	447,880	75	36,813	6	411,067-	69-
THREE-YE	AR MOVING AVERAGI	ES					
92-94	40,890	34,718	85	2,806	7	31,912-	78-
93-95	33,419	•	178	3,217	10	56,408-	
94-96	8,774	40,331	460	1,076	12	39,255-	
95-97	5,278	38,148	723	1,199	23	36,949-	
96-98	3,977	4,015	101	552	14	3,463-	87-
97-99	2,787	3,980	143	460	16	3,520-	
98-00	19,730	3,758	19	653	3	3,105-	16-
99-01	21,057	2,685	13	415	2	2,270-	11-
00-02	23,624	4,854	21	419	2	4,434-	19-
01-03	10,891	4,926	45	305	3	4,621-	42-
02-04	12,482	6,727	54	931	7	5,796-	46-
-	, -	- ,	-	-		-, -	-

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES	}					
03-05	15,926	5,599	35	950	6	4,649-	29-
04-06	20,455	10,020	49	3,207	16	6,814-	33-
05-07	26,140	11,949	46	4,244	16	7,706-	29-
06-08	31,388	16,485	53	5,076	16	11,409-	36-
07-09	26,396	12,081	46	2,968	11	9,113-	35-
08-10	24,737	13,449	54	1,393	6	12,056-	49-
09-11	27,042	11,553	43	620	2	10,933-	40-
10-12	29,451	17,520	59	685	2	16,835-	57-
11-13	27,910	15,166	54	684	2	14,483-	52-
12-14	20,902	13,542	65	624	3	12,919-	62-
13-15	22,880	12,449	54	201	1	12,248-	54-
14-16	27,076	16,106	59	153	1	15,953-	59-
15-17	32,311	22,976	71	338	1	22,638-	70-
FIVE-YEA	R AVERAGE						
13-17	27,094	16,873	62	269	1	16,604-	61-



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992		4,186		592		3,593-	
1992	1,014	51	5	392	0	51-	5-
1994	1,014	1,237	J		U	1,237-	5-
1995		8,131				8,131-	
1996		29,321				29,321-	
1997	6,709-	80	1-		0	80-	1
1998	1,466	00	0		0	00	0
1999	17100		Ü		Ü		Ü
2000							
2001							
2002	14,130		0		0		0
2003	2,248		0		0		0
2004	7,185	850	12		0	850-	12-
2005	4,413		583		0	25,720-	
2006	928	172	19		0	172-	19-
2007	9,770	1,914	20		0	1,914-	20-
2008	10,499	598	6		0	598-	6-
2009	10,828	555	5		0	555-	5 –
2010	4,578	685	15		0	685-	15-
2011	42,213	27,661	66		0	27,661-	66-
2012	3,402	168	5		0	168-	5-
2013	21,357	5,778	27		0	5,778-	27-
2014	39,323	2,638	7		0	2,638-	7 –
2015	5,460		0		0		0
2016	16,296	223	1		0	223-	1-
2017	1,878	965	51		0	965-	51-
TOTAL	190,280	110,934	58	592	0	110,342-	58-
THREE-YE.	AR MOVING AVERAGE	ES					
92-94	338	1,825	540	197	58	1,627-	481-
93-95	338	3,140			0	3,140-	929-
94-96		12,896				12,896-	
95-97	2,236-	12,510	559-		0	12,510-	559
96-98	1,748-	9,800			0	9,800-	
97-99	1,748-	27	2-		0	27-	2
98-00	489		0		0		0
99-01							
00-02	4,710		0		0		0
01-03	5,459		0		0		0
02-04	7,854	283	4		0	283-	4 –

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

	DECLIE AD	COST OF		GROSS	NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT PCT	SALVAGE AMOUNT	PCT
THREE-YE	CAR MOVING AVERAGES					
03-05	4,615	8,857	192	0	8,857-	192-
04-06	4,175	8,914	213	0	8,914-	213-
05-07	5,037	9,269	184	0	9,269-	184-
06-08	7,066	895	13	0	895-	13-
07-09	10,366	1,022	10	0	1,022-	10-
08-10	8,635	613	7	0	613-	7 –
09-11	19,206	9,634	50	0	9,634-	50-
10-12	16,731	9,505	57	0	9,505-	57-
11-13	22,324	11,203	50	0	11,203-	50-
12-14	21,361	2,862	13	0	2,862-	13-
13-15	22,047	2,806	13	0	2,806-	13-
14-16	20,360	954	5	0	954-	5 –
15-17	7,878	396	5	0	396-	5 –
FIVE-YEA	AR AVERAGE					
13-17	16,863	1,921	11	0	1,921-	11-



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1994			82-		82-	
1995			02-		02-	
1996	4,405	0		0		0
1997	5,163	0	2,510	49	2,510	49
1998	37103	Ŭ	2,310	17	2,310	10
1999	6,146	0	1,135	18	1,135	18
2000	35,521	0	4,688	13	4,688	13
2001	195,114	0	28,753	15	28,753	15
2002	12,354	0	9,246	75	9,246	75
2003	101,049	0	5,147	5	5,147	5
2004	91,148	0	5,658	6	5,658	6
2005	45,002	0	9,548	21	9,548	21
2006	106,018	0	14,470	14	14,470	14
2007	295,535	0	16,553	6	16,553	6
2008			755		755	
2009	312,059	0	21,144	7	21,144	7
2010	65,840	0	5,389	8	5,389	8
2011	240,102	0	19,590	8	19,590	8
2012	129,826	0	9,837	8	9,837	8
2013	43,805	0	840	2	840	2
2014	33,633	0	3,000	9	3,000	9
2015			927-		927-	
2016	61,225	0	5,640	9	5,640	9
2017						
TOTAL	1,783,945	0	162,893	9	162,893	9
THREE-YE	AR MOVING AVERAG	ES				
94-96	1,468	0	27-	2-	27-	2-
95-97	3,189	0	837	26	837	26
96-98	3,189	0	837	26	837	26
97-99	3,770	0	1,215	32	1,215	32
98-00	13,889	0	1,941	14	1,941	14
99-01	78,927	0	11,525	15	11,525	15
00-02	80,996	0	14,229	18	14,229	18
01-03	102,839	0	14,382	14	14,382	14
02-04	68,184	0	6,683	10	6,683	10
03-05	79,066	0	6,784	9	6,784	9
04-06	80,722	0	9,892	12	9,892	12
05-07	148,852	0	13,524	9	13,524	9
06-08	133,851	0	10,593	8	10,593	8



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
07-09	202,531		0	12,817	6	12,817	6
08-10	125,966		0	9,096	7	9,096	7
09-11	206,000		0	15,374	7	15,374	7
10-12	145,256		0	11,605	8	11,605	8
11-13	137,911		0	10,089	7	10,089	7
12-14	69,088		0	4,559	7	4,559	7
13-15	25,813		0	971	4	971	4
14-16	31,619		0	2,571	8	2,571	8
15-17	20,408		0	1,571	8	1,571	8
FIVE-YEA	R AVERAGE						
13-17	27,733		0	1,711	6	1,711	6



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS		CT	AMOUNT	PCT	AMOUNT	PCT
1995	34,278		0		0		0
1996	7,799		0		0		0
1997							
1998							
1999	56,681		0	10,464	18	10,464	18
2000	33,051		0	8,047	24	8,047	24
2001	49,622		0	7,313	15	7,313	15
2002	68,214		0	8,510	12	8,510	12
2003	55,336		0	1,931	3	1,931	3
2004	166,608		0	17,035	10	17,035	10
2005	79,308		0	18,166	23	18,166	23
2006	315,167		0	46,061	15	46,061	15
2007	35,885		0	4,499	13	4,499	13
2008							
2009	123,858		0	5,018	4	5,018	4
2010	44,709		0	4,510	10	4,510	10
2011	70,856		0	7,915	11	7,915	11
2012	37,264		0	2,393	6	2,393	6
2013	24,076		0	1,077	4	1,077	4
2014	90,655		0	327	0	327	0
2015	36,841		0	6,931	19	6,931	19
2016	32,096		0	4,465	14	4,465	14
2017							
TOTAL	1,362,306		0	154,662	11	154,662	11
THREE-YE	AR MOVING AVERAG	ES					
95-97	14,026		0		0		0
96-98	2,600		0		0		0
97-99	18,894		0	3,488	18	3,488	18
98-00	29,911		0	6,170	21	6,170	21
99-01	46,452		0	8,608	19	8,608	19
00-02	50,296		0	7,957	16	7,957	16
01-03	57,724		0	5,918	10	5,918	10
02-04	96,719		0	9,159	9	9,159	9
03-05	100,417		0	12,377	12	12,377	12
04-06	187,028		0	27,088	14	27,088	14
05-07	143,454		0	22,909	16	22,909	16
06-08	117,017		0	16,853	14	16,853	14
07-09	53,248		0	3,172	6	3,172	6
08-10	56,189		0	3,176	6	3,176	6



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

		COST O	F	GROSS		NET	
	REGULAR	REMOVA	L	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE:	5					
09-11	79,808		0	5,814	7	5,814	7
10-12	50,943		0	4,939	10	4,939	10
11-13	44,066		0	3,795	9	3,795	9
12-14	50,665		0	1,266	2	1,266	2
13-15	50,524		0	2,779	5	2,779	5
14-16	53,197		0	3,908	7	3,908	7
15-17	22,979		0	3,799	17	3,799	17
FIVE-YEA	R AVERAGE						
13-17	36,734		0	2,560	7	2,560	7



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT PCT	GROSS SALVAGE AMOUNT I	PCT	NET SALVAGE AMOUNT	PCT
1996	429	0		0		0
1997	429	U		U		U
1998						
1999	11,651	0	3,226	28	3,226	28
2000	32,082	0	4,799	15	4,799	15
2001	17,604	0	3,891	22	3,891	22
2002	17,001	0	26-	22	26-	22
2003	2,477	0	173-	7-	173-	7-
2003	2,111	0	269-	,	269-	,
2005	8,089	0	209	0	209	0
2006	20,809	0		0		0
2007	28,893	0	3,340	12	3,340	12
2008	42,044	0	3,257-	8-	3,257-	8-
2009	2,826	0	736	26	736	26
2010	_, -,					
2011	8,896	0	3,986	45	3,986	45
2012	34,162	0	7,950	23	7,950	23
2013	8,366	0	16	0	16	0
2014	,					
2015	4,782	0		0		0
2016	,					
2017						
TOTAL	223,107	0	24,221	11	24,221	11
THREE-YE	AR MOVING AVERAG	ES				
96-98	143	0		0		0
97-99	3,884	0	1,075	28	1,075	28
98-00	14,578	0	2,675	18	2,675	18
99-01	20,446	0	3,972	19	3,972	19
00-02	16,562	0	2,888	17	2,888	17
01-03	6,694	0	1,231	18	1,231	18
02-04	826	0	156-	19-	156-	19-
03-05	3,522	0	147-	4 –	147-	4-
04-06	9,633	0	90-	1-	90-	1-
05-07	19,263	0	1,113	6	1,113	6
06-08	30,582	0	28	0	28	0
07-09	24,587	0	273	1	273	1
08-10	14,956	0	840-	6-	840-	6-
09-11	3,907	0	1,574	40	1,574	40
10-12	14,353	0	3,979	28	3,979	28



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

		COST O	F	GROSS		NET	
	REGULAR	REMOVA	L	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	S					
11-13	17,141		0	3,984	23	3,984	23
12-14	14,176		0	2,655	19	2,655	19
13-15	4,382		0	5	0	5	0
14-16	1,594		0		0		0
15-17	1,594		0		0		0
FIVE-YEA	R AVERAGE						
13-17	2,629		0	3	0	3	0



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	TRUOMA	PCT
2000	143,665		0	14,238	10	14,238	10
2001	17,233		0	5,079	29	5,079	29
2002	181,929		0	22,406	12	22,406	12
2003	196,847		0		0		0
2004	31,303		0	14,475	46	14,475	46
2005	112,084		0	7,675	7	7,675	7
2006	68,723		0	9,983	15	9,983	15
2007	67,185		0	17,507	26	17,507	26
2008	416,301		0	56,905	14	56,905	14
2009	71,915		0	8,082	11	8,082	11
2010	80,386		0	10,175	13	10,175	13
2011	211,555		0	28,402	13	28,402	13
2012	71,838		0	6,114	9	6,114	9
2013				236-		236-	
2014							
2015							
2016							
2017	78,906		0		0		0
TOTAL	1,749,872		0	200,805	11	200,805	11
THREE-YE	AR MOVING AVERAGE	ls.					
00-02	114,276		0	13,907	12	13,907	12
01-03	132,003		0	9,162	7	9,162	7
02-04	136,693		0	12,294	9	12,294	9
03-05	113,412		0	7,383	7	7,383	7
04-06	70,704		0	10,711	15	10,711	15
05-07	82,664		0	11,721	14	11,721	14
06-08	184,070		0	28,132	15	28,132	15
07-09	185,134		0	27,498	15	27,498	15
08-10	189,534		0	25,054	13	25,054	13
09-11	121,285		0	15,553	13	15,553	13
10-12	121,260		0	14,897	12	14,897	12
11-13	94,464		0	11,427	12	11,427	12
12-14	23,946		0	1,960	8	1,960	8
13-15				79-		79-	



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16 15-17	26,302		0		0		0
FIVE-YEA	R AVERAGE						
13-17	15,781		0	47-	0	47-	0



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT PC	T	AMOUNT	PCT	AMOUNT	PCT
1992	45,303		0	5,605	12	5,605	12
1993							
1994	116,026		0	34,200	29	34,200	29
1995	18,634		0		0		0
1996	523,270		0	15,552	3	15,552	3
1997	306,283		0	119,775	39	119,775	39
1998	25,157		0	5,985	24	5,985	24
1999	299,813		0	110,697	37	110,697	37
2000	337,270		0	118,319	35	118,319	35
2001	341,507		0	100,653	29	100,653	29
2002	151,575		0	41,242	27	41,242	27
2003	854,798		0	92,291	11	92,291	11
2004	175,574		0	27,612	16	27,612	16
2005							
2006	729,867		0	78,391	11	78,391	11
2007	586,693		0	64,028	11	64,028	11
2008				704-		704-	
2009	483,660		0	67,974	14	67,974	14
2010	321,350		0	23,486	7	23,486	7
2011	406,350		0	124,836	31	124,836	31
2012	6,767		0	1,295	19	1,295	19
2013	102,430		0	26,885	26	26,885	26
2014							
2015	216 222		0	11 605		11 605	4
2016	316,292		0	11,625	4	11,625	4
2017							
TOTAL	6,148,619		0	1,069,747	17	1,069,747	17
THREE-YE	AR MOVING AVERAG	ES					
92-94	53,776		0	13,268	25	13,268	25
93-95	44,886		0	11,400	25	11,400	25
94-96	219,310		0	16,584	8	16,584	8
95-97	282,729		0	45,109	16	45,109	16
96-98	284,903		0	47,104	17	47,104	17
97-99	210,418		0	78,819	37	78,819	37
98-00	220,747		0	78,334	35	78,334	35
99-01	326,197		0	109,890	34	109,890	34
00-02	276,784		0	86,738	31	86,738	31
01-03	449,294		0	78,062	17	78,062	17
02-04	393,982		0	53,715	14	53,715	14

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

		COST O	F	GROSS		NET	
	REGULAR	REMOVA	L	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	5					
03-05	343,457		0	39,967	12	39,967	12
04-06	301,814		0	35,334	12	35,334	12
05-07	438,853		0	47,473	11	47,473	11
06-08	438,853		0	47,238	11	47,238	11
07-09	356,784		0	43,766	12	43,766	12
08-10	268,337		0	30,252	11	30,252	11
09-11	403,787		0	72,098	18	72,098	18
10-12	244,823		0	49,872	20	49,872	20
11-13	171,849		0	51,005	30	51,005	30
12-14	36,399		0	9,393	26	9,393	26
13-15	34,143		0	8,962	26	8,962	26
14-16	105,431		0	3,875	4	3,875	4
15-17	105,431		0	3,875	4	3,875	4
FIVE-YEA	R AVERAGE						
13-17	83,744		0	7,702	9	7,702	9



WYOMING PROPERTY



ACCOUNT 360.2 LAND RIGHTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	11,315	6,125	54	837	7	5,288-	47-
1993	10	7	71	1	5	6-	66-
1994				67		67	
1995							
1996	8	4	52		0	4-	52-
1997							
1998							
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008	130,963		0		0		0
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
TOTAL	142,295	6,136	4	905	1	5,231-	4-
THREE-YE	AR MOVING AVERAGE	ES					
92-94	3,775	2,044	54	302	8	1,742-	
93-95	3	2	71	23	706	20	635
94-96	3	1	52	22	841	21	789
95-97	3	1	52		0	1-	52-
96-98	3	1	52		0	1-	52-
97-99							
98-00							
99-01							
00-02							
01-03							
02-04							

ACCOUNT 360.2 LAND RIGHTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05 04-06 05-07							
06-08	43,654		0		0		0
07-09	43,654		0		0		0
08-10	43,654		0		0		0
09-11							
10-12							
11-13							
12-14							
13-15							
14-16							
15-17							

FIVE-YEAR AVERAGE

13-17



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT	PCT
1992	30,966	2,953	10	0	2,953-	10-
1993	, , , , , ,	,			,	
1994	6,050		0	0		0
1995	41,466	4,504	11	0	4,504-	11-
1996	38,805	5,901	15	0	5,901-	15-
1997	5,231	404	8	0	404-	8 –
1998	2,045		0	0		0
1999						
2000						
2001						
2002	1,963		0	0		0
2003	19,965	6,848	34	0	6,848-	34-
2004	2,773	335	12	0	335-	12-
2005	13,479		0	0		0
2006	2,312	147	6	0	147-	6-
2007	4,397	46	1	0	46-	1-
2008	17,659	643	4	0	643-	4 –
2009	1,323	233	18	0	233-	18-
2010	5,613	3,351	60	0	3,351-	60-
2011	22,518	6,198	28	0	6,198-	28-
2012	14,770	2,406	16	0	2,406-	16-
2013	13,016		0	0		0
2014	52,530	3,250	6	0	3,250-	6-
2015	23,824	225	1	0	225-	1-
2016	25,581	843	3	0	843-	3 –
2017	13,182	568	4	0	568-	4-
TOTAL	359,471	38,857	11	0	38,857-	11-
THREE-YE.	AR MOVING AVERAG	ES				
92-94	12,339	984	8	0	984-	8 –
93-95	15,839	1,501	9	0	1,501-	9-
94-96	28,774	3,468	12	0	3,468-	12-
95-97	28,501	3,603	13	0	3,603-	13-
96-98	15,360	2,102	14	0	2,102-	14-
97-99	2,425	135	6	0	135-	6-
98-00	682		0	0		0
99-01						
00-02	654		0	0		0
01-03	7,309	2,283	31	0	2,283-	31-
02-04	8,234	2,394	29	0	2,394-	29-

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS	NET	
	REGULAR	REMOVAL		SALVAGE	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	3				
03-05	12,073	2,394	20	0	2,394-	20-
04-06	6,188	161	3	0	161-	3 –
05-07	6,730	64	1	0	64-	1-
06-08	8,123	279	3	0	279-	3 –
07-09	7,793	308	4	0	308-	4-
08-10	8,198	1,409	17	0	1,409-	17-
09-11	9,818	3,261	33	0	3,261-	33-
10-12	14,300	3,985	28	0	3,985-	28-
11-13	16,768	2,868	17	0	2,868-	17-
12-14	26,772	1,885	7	0	1,885-	7 –
13-15	29,790	1,158	4	0	1,158-	4 –
14-16	33,979	1,439	4	0	1,439-	4 –
15-17	20,862	545	3	0	545-	3 –
FIVE-YEA	R AVERAGE					
13-17	25,627	977	4	0	977-	4 –



ACCOUNT 362 STATION EQUIPMENT

		COST OF		GROSS		NET	
77 D	REGULAR	REMOVAL	D.CIII	SALVAGE	D.CIII	SALVAGE	D.CIII
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	275,351	47,638	17	12,644	5	34,994-	13-
1993	231,767	4,035	2	681	0	3,354-	1-
1994	86,810	4,501	5		0	4,501-	5-
1995	3,158,384	115,368	4	14,640	0	100,728-	3-
1996	370,047	157,385	43		0	157,385-	43-
1997	697,206	294,007	42	110,932	16	183,075-	26-
1998	83,113	25,070	30	2,857	3	22,213-	27-
1999		80-	-			80	
2000	134,031	9,632	7		0	9,632-	7 –
2001	574,756	20,372	4		0	20,372-	4 –
2002	247,011	92,552	37		0	92,552-	37-
2003	394,713	57,644	15		0	57,644-	15-
2004	424,217	63,877	15		0	63,877-	15-
2005	385,466	41,856	11		0	41,856-	11-
2006	549,656	9,556	2	59,578	11	50,022	9
2007	492,027	25,689	5		0	25,689-	5-
2008	1,805,615	16,753	1	306,721	17	289,969	16
2009	331,532	318,140	96		0	318,140-	96-
2010	625,929	78,633	13	11,417	2	67,216-	11-
2011	384,494	120,976	31	49,577	13	71,400-	19-
2012	422,624	338,020	80		0	338,020-	80-
2013	508,631	82,414	16	16,750	3	65,664-	13-
2014	1,162,078	191,861	17		0	191,861-	17-
2015	650,690	81,795	13		0	81,795-	13-
2016	598,348	230,593	39		0	230,593-	39-
2017	967,059	47,092	5		0	47,092-	5-
TOTAL	15,561,555	2,475,379	16	585,797	4	1,889,582-	12-
THREE-YE	AR MOVING AVERAG	ES					
92-94	197,976	18,725	9	4,442	2	14,283-	7-
93-95	1,158,987	41,301	4	5,107	0	36,194-	3-
94-96	1,205,080	92,418	8	4,880	0	87,538-	7-
95-97	1,408,546	188,920	13	41,857	3	147,063-	10-
96-98	383,455	158,821	41	37,930	10	120,891-	32-
97-99	260,106	106,333	41	37,930	15	68,403-	26-
98-00	72,381	11,541	16	952	1	10,588-	15-
99-01	236,262	9,975	4	752	0	9,975-	4-
00-02	318,599	40,852	13		0	40,852-	13-
01-03	405,493	56,856	14		0	56,856-	14-
02-04	355,314	71,358	20		0	71,358-	20-
02 01	333,311	, 1, 550	20		O	, 1, 550	20



ACCOUNT 362 STATION EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	401,465	54,459	14		0	54,459-	14-
04-06	453,113	38,430	8	19,859	4	18,570-	4 –
05-07	475,716	25,700	5	19,859	4	5,841-	1-
06-08	949,099	17,333	2	122,100	13	104,767	11
07-09	876,391	120,194	14	102,240	12	17,954-	2-
08-10	921,025	137,842	15	106,046	12	31,796-	3 –
09-11	447,318	172,583	39	20,331	5	152,252-	34-
10-12	477,682	179,210	38	20,331	4	158,878-	33-
11-13	438,583	180,470	41	22,109	5	158,361-	36-
12-14	697,778	204,098	29	5,583	1	198,515-	28-
13-15	773,800	118,690	15	5,583	1	113,107-	15-
14-16	803,705	168,083	21		0	168,083-	21-
15-17	738,699	119,826	16		0	119,826-	16-
FIVE-YEA	R AVERAGE						
13-17	777,361	126,751	16	3,350	0	123,401-	16-



ACCOUNT 364 POLES, TOWERS AND FIXTURES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	103,371	276,684	268	48,181	47	228,503-	221-
1993	644,177	364,553	57	33,043	5	331,510-	51-
1994	389,930	473,081	121	140,196	36	332,884-	85-
1995	488,689	395,326	81	10,673	2	384,654-	79-
1996	244,665	398,238	163	43,218	18	355,020-	145-
1997	291,001	623,097	214	36,967	13	586,130-	201-
1998	374,905	340,691	91	25,983	7	314,708-	84-
1999		449,931		22,225		427,705-	
2000	790,658	854,883	108	36,882	5	818,001-	103-
2001	339,841	927,380	273	35,073	10	892,306-	263-
2002	366,201	630,669	172	29,456	8	601,213-	164-
2003	397,741	573,840	144	53,288	13	520,552-	131-
2004	978,830	638,893	65	109,521	11	529,372-	54-
2005	469,535	817,159	174	99,491	21	717,668-	153-
2006	280,409	411,278	147	26,505	9	384,774-	137-
2007	395,083	650,778	165	67,447	17	583,331-	148-
2008	651,855	665,714	102	92,895	14	572,819-	88-
2009	387,434	627,928	162	59,733	15	568,194-	147-
2010	357,357	680,828	191	53,779	15	627,049-	175-
2011	590,386	832,565	141	75,458	13	757,107-	128-
2012	547,753	567,733	104	79,228	14	488,505-	89-
2013	359,449	613,014	171	119,682	33	493,333-	137-
2014	639,154	949,973	149	99,728	16	850,245-	133-
2015	363,319	747,695	206	67,704	19	679,991-	187-
2016	510,068	631,472	124	36,478	7	594,994-	117-
2017	497,004	983,044	198	40,519	8	942,524-	190-
TOTAL	11,458,816	16,126,446	141	1,543,353	13	14,583,093-	127-
THREE-YE	AR MOVING AVERAG	ES					
92-94	379,159	371,439	98	73,807	19	297,633-	78-
93-95	507,599	410,987	81	61,304	12	349,683-	69-
94-96	374,428	422,215	113	64,696	17	357,519-	95-
95-97	341,451	472,221	138	30,286	9	441,935-	129-
96-98	303,524	454,009	150	35,389	12	418,620-	
97-99	221,969	471,240	212	28,392	13	442,848-	
98-00	388,521	548,502	141	28,363	7	520,138-	
99-01	376,833	744,064	197	31,394	8	712,671-	
00-02	498,900	804,310	161	33,804	7		154-
01-03	367,927	710,629	193	39,272	11	671,357-	
02-04	580,924	614,467	106	64,088	11	550,379-	95-

ACCOUNT 364 POLES, TOWERS AND FIXTURES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES						
03-05	615,369	676,631	110	87,433	14	589,197-	96-
04-06	576,258	622,443	108	78,505	14	543,938-	94-
05-07	381,676	626,405	164	64,481	17	561,924-	147-
06-08	442,449	575,924	130	62,282	14	513,641-	116-
07-09	478,124	648,140	136	73,358	15	574,781-	120-
08-10	465,549	658,156	141	68,802	15	589,354-	127-
09-11	445,059	713,773	160	62,990	14	650,784-	146-
10-12	498,499	693,709	139	69,488	14	624,220-	125-
11-13	499,196	671,104	134	91,456	18	579,648-	116-
12-14	515,452	710,240	138	99,546	19	610,694-	118-
13-15	453,974	770,227	170	95,705	21	674,523-	149-
14-16	504,181	776,380	154	67,970	13	708,410-	141-
15-17	456,797	787,403	172	48,234	11	739,170-	162-
FIVE-YEA	R AVERAGE						
13-17	473,799	785,040	166	72,822	15	712,217-	150-



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	407,199	347,491	85	67,572	17	279,919-	69-
1993	804,988	418,629	52	45,455	6	373,174-	46-
1994	513,561	482,181	94	159,245	31	322,937-	63-
1995	617,733	426,630	69	2,631-	0	429,261-	69-
1996	284,325	485,264	171	51,510	18	433,753-	153-
1997	403,032	491,396	122	34,013	8	457,384-	113-
1998	316,035	281,146	89	35,704	11	245,442-	78-
1999		149,977		45,124		104,852-	
2000	962,565	122,268	13	78,869	8	43,400-	5 –
2001	335,544	176,644	53	71,209	21	105,434-	31-
2002	345,235	255,412	74	44,546	13	210,866-	61-
2003	522,370	191,005	37	27,366	5	163,638-	31-
2004	436,844	276,836	63	121,001	28	155,835-	36-
2005	434,826	312,344	72	108,677	25	203,668-	47-
2006	315,466	226,167	72	19,433	6	206,734-	66-
2007	480,340	312,149	65	56,608	12	255,541-	53-
2008	508,560	234,691	46	48,437	10	186,254-	37-
2009	410,527	228,289	56	49,476	12	178,813-	44-
2010	485,581	374,444	77	102,196	21	272,247-	56-
2011	550,494	345,009	63	105,439	19	239,570-	44-
2012	322,715	283,356	88	53,999	17	229,357-	71-
2013	358,468	264,891	74	46,308	13	218,583-	61-
2014	383,619	281,047	73	111,013	29	170,035-	44-
2015	339,624	260,088	77	43,494	13	216,594-	64-
2016	351,279	154,055	44	28,724	8	125,332-	36-
2017	267,130	422,733	158	23,309	9	399,424-	150-
TOTAL	11,158,059	7,804,144	70	1,576,096	14	6,228,048-	56-
THREE-YE.	AR MOVING AVERAG	ES					
92-94	575,249	416,100	72	90,757	16	325,343-	57-
93-95	645,427	442,480	69	67,356	10	375,124-	58-
94-96	471,873	464,692	98	69,375	15	395,317-	84-
95-97	435,030	467,763	108	27,631	6	440,133-	101-
96-98	334,464	419,269	125	40,409	12	378,860-	113-
97-99	239,689	307,507	128	38,281	16	269,226-	112-
98-00	426,200	184,464	43	53,233	12	131,231-	31-
99-01	432,703	149,630	35	65,068	15	84,562-	20-
00-02	547,781	184,775	34	64,875	12	119,900-	22-
01-03	401,049	207,687	52	47,707	12	159,980-	40-
02-04	434,816	241,084	55	64,304	15	176,780-	41-

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	464,680	260,062	56	85,681	18	174,380-	38-
04-06	395,712	271,782	69	83,037	21	188,746-	48-
05-07	410,210	283,553	69	61,572	15	221,981-	54-
06-08	434,789	257,669	59	41,493	10	216,176-	50-
07-09	466,476	258,376	55	51,507	11	206,869-	44-
08-10	468,223	279,141	60	66,703	14	212,438-	45-
09-11	482,201	315,914	66	85,704	18	230,210-	48-
10-12	452,930	334,270	74	87,211	19	247,058-	55-
11-13	410,559	297,752	73	68,582	17	229,170-	56-
12-14	354,934	276,432	78	70,440	20	205,992-	58-
13-15	360,571	268,676	75	66,938	19	201,737-	56-
14-16	358,174	231,730	65	61,077	17	170,653-	48-
15-17	319,344	278,959	87	31,842	10	247,117-	77-
FIVE-YEAD	R AVERAGE						
13-17	340,024	276,563	81	50,570	15	225,993-	66-



ACCOUNT 366 UNDERGROUND CONDUIT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	12,801-	8,642	68-	1,290	10-	7,352-	57
1993	104,781	15,448	15	2,268	2	13,180-	13-
1994	19,563	13,389	68	2,853	15	10,536-	54-
1995	73,259	22,726	31	5,518	8	17,208-	23-
1996	8,301	16,632	200	7,356	89	9,276-	112-
1997	15,045	13,777	92	1,192	8	12,585-	84-
1998	9,822	8,838	90	897	9	7,940-	81-
1999		9,523		15		9,508-	
2000	72,688	16,684	23		0	16,684-	23-
2001	17,657	17,098	97		0	17,098-	97-
2002	25,805	21,984	85	2,313	9	19,671-	76-
2003	11,845	12,783	108	4,218	36	8,565-	72-
2004	34,169	105,464	309	4,756	14	100,708-	295-
2005	42,755	23,270	54	4,882	11	18,389-	43-
2006	45,440	36,558	80	336	1	36,222-	80-
2007	35,378	30,046	85	4,417	12	25,628-	72-
2008	62,496	43,172	69	4,887	8	38,285-	61-
2009	216,365	36,072	17	2,871	1	33,202-	15-
2010	158,952	87,822	55	4,282	3	83,540-	53-
2011	136,633	45,191	33	4,284	3	40,907-	30-
2012	217,334	47,326	22	8,566	4	38,760-	18-
2013	234,548	57,347	24	4,220	2	53,127-	23-
2014	82,542	52,867	64	6,786	8	46,081-	56-
2015	241,943	50,019	21	846	0	49,173-	20-
2016	100,263	51,152	51	4,955	5	46,197-	46-
2017	141,784	27,040	19	957	1	26,083-	18-
TOTAL	2,096,566	870,868	42	84,964	4	785,904-	37-
THREE-YE.	AR MOVING AVERAG	ES					
92-94	37,181	12,493	34	2,137	6	10,356-	28-
93-95	65,868	17,187	26	3,546	5	13,641-	21-
94-96	33,708	17,582	52	5,242	16	12,340-	37-
95-97	32,202	17,711	55	4,689	15	13,023-	40-
96-98	11,056	13,082	118	3,149	28	9,934-	90-
97-99	8,289	10,713	129	701	8	10,011-	121-
98-00	27,503	11,681	42	304	1	11,377-	41-
99-01	30,115	14,435	48	5	0	14,430-	48-
00-02	38,716	18,588	48	771	2	17,817-	46-
01-03	18,436	17,288	94	2,177	12	15,111-	82-
02-04	23,939	46,744	195	3,762	16	42,981-	180-

ACCOUNT 366 UNDERGROUND CONDUIT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	29,590	47,173	159	4,618	16	42,554-	144-
04-06	40,788	55,097	135	3,324	8	51,773-	127-
05-07	41,191	29,958	73	3,212	8	26,746-	65-
06-08	47,772	36,592	77	3,214	7	33,378-	70-
07-09	104,747	36,430	35	4,059	4	32,372-	31-
08-10	145,938	55,689	38	4,013	3	51,675-	35-
09-11	170,650	56,362	33	3,812	2	52,549-	31-
10-12	170,973	60,113	35	5,711	3	54,402-	32-
11-13	196,172	49,955	25	5,690	3	44,265-	23-
12-14	178,141	52,513	29	6,524	4	45,989-	26-
13-15	186,344	53,411	29	3,951	2	49,460-	27-
14-16	141,583	51,346	36	4,196	3	47,150-	33-
15-17	161,330	42,737	26	2,253	1	40,484-	25-
FIVE-YEA	R AVERAGE						
13-17	160,216	47,685	30	3,553	2	44,132-	28-



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	14,042-	29,185	208-	2,557	18-	26,628-	190
1993	119,388	31,453	26	3,790	3	27,663-	23-
1994	784,614	94,628	12	20,972	3	73,656-	9 –
1995	88,841	31,901	36	5,782	7	26,118-	29-
1996	15,032	25,857	172	8,503	57	17,354-	115-
1997	25,826	20,236	78	1,058	4	19,179-	74-
1998	33,182	18,892	57	3,980	12	14,912-	45-
1999		3,174		30		3,145-	
2000	195,279	7,138	4		0	7,138-	4 –
2001	27,294	5,399	20		0	5,399-	20-
2002	30,513	16,127	53	1,067	3	15,060-	49-
2003	29,424	22,967	78	1,955	7	21,012-	71-
2004	58,702	42,280	72	3,967	7	38,312-	65-
2005	50,146	33,928	68	6,012	12	27,916-	56-
2006	54,315	20,139	37	6,152	11	13,987-	26-
2007	48,658	27,469	56	8,398	17	19,072-	39-
2008	169,831	38,702	23	5,185	3	33,517-	20-
2009	66,109	22,978	35	641	1	22,338-	34-
2010	63,580	53,118	84	5,238	8	47,881-	75-
2011	61,692	48,719	79	6,006	10	42,713-	69-
2012	154,323	42,470	28	11,599	8	30,871-	20-
2013	85,495	43,259	51	49,432	58	6,173	7
2014	113,623	71,663	63	11,399	10	60,264-	53-
2015	62,539	26,389	42	2,199	4	24,190-	39-
2016	100,702	76,247	76	10,094	10	66,152-	66-
2017	112,201	22,095	20	6,093	5	16,002-	14-
TOTAL	2,537,267	876,413	35	182,108	7	694,305-	27-
THREE-YE	AR MOVING AVERAGE	ES					
92-94	296,653	51,755	17	9,106	3	42,649-	14-
93-95	330,948	52,661	16	10,181	3	42,479-	13-
94-96	296,162	50,795	17	11,753	4	39,043-	13-
95-97	43,233	25,998	60	5,114	12	20,884-	48-
96-98	24,680	21,662	88	4,514	18	17,148-	69-
97-99	19,669	14,101	72	1,689	9	12,412-	63-
98-00	76,154	9,735	13	1,337	2	8,398-	11-
99-01	74,191	5,237	7	10	0	5,227-	7 –
00-02	84,362	9,555	11	356	0	9,199-	11-
01-03	29,077	14,831	51	1,007	3	13,824-	48-
02-04	39,546	27,125	69	2,330	6	24,795-	63-

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
TATA D	REGULAR	REMOVAL	D.CIII	SALVAGE		SALVAGE	D.CIII
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	46,091	33,058	72	3,978	9	29,080-	63-
04-06	54,387	32,116	59	5,377	10	26,738-	49-
05-07	51,039	27,179	53	6,854	13	20,325-	40-
06-08	90,935	28,770	32	6,578	7	22,192-	24-
07-09	94,866	29,717	31	4,741	5	24,975-	26-
08-10	99,840	38,266	38	3,688	4	34,578-	35-
09-11	63,794	41,605	65	3,961	6	37,644-	59-
10-12	93,198	48,102	52	7,614	8	40,488-	43-
11-13	100,503	44,816	45	22,346	22	22,470-	22-
12-14	117,814	52,464	45	24,143	20	28,320-	24-
13-15	87,219	47,103	54	21,010	24	26,094-	30-
14-16	92,288	58,099	63	7,897	9	50,202-	54-
15-17	91,814	41,577	45	6,129	7	35,448-	39-
FIVE-YEA	R AVERAGE						
13-17	94,912	47,930	50	15,843	17	32,087-	34-



ACCOUNT 368 LINE TRANSFORMERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL	D 000	SALVAGE	D 000	SALVAGE	D. G.E.
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	257,249	108,632	42	22,705	9	85,926-	33-
1993	242,218	405,254	167	14,284	6	390,970-	161-
1994	187,552	128,886-	- 69-	104,659	56	233,545	125
1995	197,806	134,550	68	69,010	35	65,539-	33-
1996	81,475	130,425	160	54,730	67	75,695-	93-
1997	96,228	92,093	96	11,430	12	80,663-	84-
1998	67,676	60,343	89	26,754	40	33,589-	50-
1999		2,854		116,281		113,427	
2000	906,941	16,015	2	127,175	14	111,161	12
2001	554,756	20,414	4	37,700	7	17,286	3
2002	1,054,153	293,707	28	88,329	8	205,377-	19-
2003	579,196	297,039	51	179,723	31	117,316-	20-
2004	882,382	337,867	38	135,501	15	202,366-	23-
2005	795,285	239,462	30	86,978	11	152,484-	19-
2006	577,905	304,572	53	79,780	14	224,791-	39-
2007	728,326	481,004	66	112,829	15	368,176-	51-
2008	831,071	385,545	46	137,085	16	248,461-	30-
2009	889,218	425,025	48	112,120	13	312,905-	35-
2010	609,650	467,667	77	58,166	10	409,501-	67-
2011	1,150,663	692,211	60	135,736	12	556,475-	48-
2012	1,300,661	540,498	42	174,442	13	366,056-	28-
2013	914,160	471,149	52	185,569	20	285,580-	31-
2014	772,549	442,944	57	100,317	13	342,626-	44-
2015	1,158,187	438,038	38	126,684	11	311,355-	27-
2016	1,056,605	492,291	47	157,468	15	334,823-	32-
2017	989,160	366,454	37	47,168	5	319,286-	32-
TOTAL	16,881,071	7,517,166	45	2,502,623	15	5,014,543-	30-
THREE-YE	AR MOVING AVERAG	ES					
92-94	229,007	128,333	56	47,216	21	81,117-	35-
93-95	209,192	136,973	65	62,651	30	74,321-	36-
94-96	155,611	45,363	29	76,133	49	30,770	20
95-97	125,170	119,023	95	45,057	36	73,966-	59-
96-98	81,793	94,287	115	30,971	38	63,316-	77-
97-99	54,635	51,763	95	51,488	94	275-	1-
98-00	324,872	26,404	8	90,070	28	63,666	20
99-01	487,232	13,094	3	93,719	19	80,625	17
00-02	838,616	110,045	13	84,401	10	25,644-	3 –
01-03	729,368	203,720	28	101,917	14	101,802-	14-
02-04	838,577	309,538	37	134,518	16	175,020-	21-



ACCOUNT 368 LINE TRANSFORMERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	752,287	291,456	39	134,067	18	157,389-	21-
04-06	751,857	293,967	39	100,753	13	193,214-	26-
05-07	700,505	341,679	49	93,196	13	248,484-	35-
06-08	712,434	390,374	55	109,898	15	280,476-	39-
07-09	816,205	430,525	53	120,678	15	309,847-	38-
08-10	776,646	426,079	55	102,457	13	323,622-	42-
09-11	883,177	528,301	60	102,007	12	426,294-	48-
10-12	1,020,324	566,792	56	122,781	12	444,011-	44-
11-13	1,121,828	567,953	51	165,249	15	402,704-	36-
12-14	995,790	484,864	49	153,443	15	331,421-	33-
13-15	948,299	450,711	48	137,523	15	313,187-	33-
14-16	995,780	457,758	46	128,157	13	329,601-	33-
15-17	1,067,984	432,261	40	110,440	10	321,821-	30-
FIVE-YEA	R AVERAGE						
13-17	978,132	442,175	45	123,441	13	318,734-	33-



ACCOUNT 369.1 OVERHEAD SERVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2000	66,355	3,165	5	123	0	3,042-	5-
2001	1,605	3,473	216		0	3,473-	216-
2002	4,748-	65,669-		399	8 –	66,067	
2003	11,619	4,272	37	396	3	3,876-	33-
2004	24,165	3,954	16	1,825	8	2,130-	9 –
2005	30,649	6,449	21	1,919	6	4,530-	15-
2006	26,711	3,749	14	1,845	7	1,904-	7 –
2007	58,919	11,558	20	2,663	5	8,895-	15-
2008	43,078	36,634	85	5,555	13	31,079-	72-
2009	40,085	25,733	64	2,244	6	23,489-	59-
2010	38,081	38,074	100	1,483	4	36,591-	96-
2011	41,974	41,997	100	2,795	7	39,202-	93-
2012	46,165	31,594	68	7,873	17	23,721-	51-
2013	40,904	27,303	67	4,465	11	22,838-	56-
2014	36,300	27,510	76	2,113	6	25,397-	70-
2015	36,204	20,646	57	3,828	11	16,819-	46-
2016	44,970	16,910	38	5,779	13	11,130-	25-
2017	23,421	8,887	38	1,978	8	6,909-	30-
TOTAL	606,457	246,240	41	47,282	8	198,958-	33-
THREE-YEA	AR MOVING AVERAGE	IS					
00-02	21,071	19,677-		174	1	19,851	94
01-03	2,825	19,308-	683-	265	9	19,573	693
02-04	10,345	19,148-	185-	873	8	20,021	194
03-05	22,145	4,892	22	1,380	6	3,512-	16-
04-06	27,175	4,718	17	1,863	7	2,855-	11-
05-07	38,760	7,252	19	2,142	6	5,110-	13-
06-08	42,903	17,314	40	3,355	8	13,960-	33-
07-09	47,360	24,642	52	3,487	7	21,155-	45-
08-10	40,414	33,480	83	3,094	8	30,386-	75-
09-11	40,047	35,268	88	2,174	5	33,094-	83-
10-12	42,073	37,222	88	4,050	10	33,171-	79-
11-13	43,014	33,631	78	5,044	12	28,587-	66-
12-14	41,123	28,802	70	4,817	12	23,985-	58-
13-15	37,803	25,153	67	3,468	9	21,685-	57-



ACCOUNT 369.1 OVERHEAD SERVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	39,158	21,689	55	3,907	10	17,782-	45-
15-17	34,865	15,481	44	3,862	11	11,619-	33-
FIVE-YEA	R AVERAGE						
13-17	36,360	20,251	56	3,632	10	16,619-	46-



ACCOUNT 369.2 UNDERGROUND SERVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2000	37,112	2,414	7	1,042	3	1,373-	4 –
2000	3,975	2,414	0	1,042	0	1,3/3-	0
2001	6,422	9,120	142	2,879	45	6,240-	97-
2002	7,979	5,129	64	330	4	4,798-	60-
2003	8,218	5,129	65	1,565	19	3,791-	46-
2004	13,106	19,462	148	1,807	14	17,655-	
2005	8,720	8,540	98	1,171	13	7,369-	85-
2007	14,645	8,886	61	3,040	21	5,847-	40-
2007	58,643	22,137	38	1,292	2	20,845-	36-
	37,736	24,667	65	6,691	18	17,977-	
2009	22,539	28,583	127	· · · · · · · · · · · · · · · · · · ·	12	25,769-	48-
2010 2011	28,911	27,660	96	2,814 6,788	23	20,872-	72-
2011	61,693	44,880	73	18,969	31	25,911-	42-
2013	35,195	28,815	82	1,746	5	27,069-	77-
2014	41,589	33,487	81	4,388	11	29,098-	70-
2015	39,900	24,328	61	2,651	7	21,677-	54-
2016	39,154	24,264	62	6,241	16	18,022-	46-
2017	23,008	12,295	53	4,932	21	7,363-	32-
TOTAL	488,547	330,023	68	68,347	14	261,676-	54-
THREE-YE	AR MOVING AVERAGE	ES					
00-02	15,837	3,845	24	1,307	8	2,538-	16-
01-03	6,126	4,749	78	1,070	17	3,680-	60-
02-04	7,540	6,535	87	1,592	21	4,943-	66-
03-05	9,768	9,982	102	1,234	13	8,748-	90-
04-06	10,015	11,120	111	1,514	15	9,605-	96-
05-07	12,157	12,296	101	2,006	16	10,290-	85-
06-08	27,336	13,188	48	1,834	7	11,353-	42-
07-09	37,008	18,564	50	3,674	10	14,889-	40-
08-10	39,640	25,129	63	3,599	9	21,530-	54-
09-11	29,729	26,970	91	5,431	18	21,539-	72-
10-12	37,715	33,707	89	9,524	25	24,184-	64-
11-13	41,933	33,785	81	9,168	22	24,617-	59-
12-14	46,159	35,727	77	8,368	18	27,359-	59-
13-15	38,895	28,877	74	2,928	8	25,948-	67-



ACCOUNT 369.2 UNDERGROUND SERVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	40,214	27,359	68	4,427	11	22,933-	57-
15-17	34,021	20,295	60	4,608	14	15,687-	46-
FIVE-YEA	R AVERAGE						
13-17	35,769	24,638	69	3,992	11	20,646-	58-



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

1992	YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1994 13,846 13,908 100 7,169 52 6,740- 49- 1995 13,824 10,369 75 1,718- 12- 12,087- 87- 1996 609 1,652 271 121 20 1,531- 251- 1997 544 519 95 18 3 501- 92- 1998 740 932 126 47 6 85- 120- 1999 2000 34,856 464 1 0 0 464- 1- 2001 8,357 593 7 0 593- 7- 2002 9,316 10,046 108 49 1 9,996- 107- 2003 15,596 11,234 72 515 3 10,720- 69- 2004 12,718 16,716 131 513 4 16,203- 127- 2005 19,677 9,394 48 0 9,394- 48- 2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,178- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 163 1 16,596- 142- 2012 10,032 10,244 102 667 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 446- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	1992	42,706	19,790	46	3,695	9	16,095-	38-
1995 13,824 10,369 75 1,718- 12- 12,087- 87- 1996 609 1,652 271 121 20 1,531- 251- 1997 544 519 95 18 3 501- 92- 1998 740 932 126 47 6 885- 120- 1999 2000 34,856 464 1 0 0 464- 1- 2001 8,357 593 7 0 593- 7- 2002 9,316 10,046 108 49 1 9,96- 107- 2003 15,596 11,234 72 515 3 10,720- 69- 2004 12,718 16,716 131 513 4 16,203- 127- 2005 19,677 9,394 48 0 9,394- 48- 2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- **THREE-YEAR MOVING AVERAGES** 92-94 27,896 16,310 58 4,076 15 12,235- 44- 2017 2,785 2,134 77 364 13 1,770- 64- **TOTAL 306,570 237,482 77 16,102 5 221,380- 72- **THREE-YEAR MOVING AVERAGES** 92-94 27,896 16,310 58 4,076 15 12,235- 44- 2017 2,785 2,134 77 364 13 1,770- 64- **TOTAL 306,570 237,482 77 16,102 5 221,380- 72- **THREE-YEAR MOVING AVERAGES** 92-94 27,896 16,310 58 4,076 15 12,235- 44- 2017 2,785 2,134 77 364 13 1,770- 64- **TOTAL 306,570 237,482 77 16,102 5 221,380- 72- **THREE-YEAR MOVING AVERAGES** 92-94 27,896 16,310 58 4,076 15 12,235- 44- 29-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 48 48 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2 00-02 17,510 3,701 21 166 0 368- 2 01-03 11,090 7,291 66 188 2 7,103- 64-	1993	27,137	15,233	56	1,363	5	13,870-	51-
1996 609	1994	13,846		100		52	6,740-	49-
1997 544 519 95 18 3 501- 92- 1998 740 932 126 47 6 885- 120- 1999 2000 34,856 464 1 0 0 464- 1- 2001 8,357 593 7 0 593- 7- 2002 9,316 10,046 108 49 1 9,996- 107- 2003 15,596 11,234 72 515 3 10,720- 69- 2004 12,718 16,716 131 513 4 16,203- 127- 2005 19,677 9,394 48 0 9,394- 48- 2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72-	1995	13,824	10,369	75	1,718-	12-	12,087-	87-
1998	1996	609	1,652	271	121	20	1,531-	251-
1999 2000	1997	544	519	95	18	3	501-	92-
2000 34,856 464 1 0 464 1- 2001 8,357 593 7 0 0 593- 7- 2002 9,316 10,046 108 49 1 9,996- 107- 2003 15,596 11,234 72 515 3 10,720- 69- 2004 12,718 16,716 131 513 4 16,203- 127- 2005 19,677 9,394 48 0 9,394- 48- 2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 10- 97-99 428 484 113 22 5 462- 10- 97-99 428 484 113 22 5 462- 10- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	1998	740	932	126	47	6	885-	120-
2001 8,357 593 7 2002 9,316 10,046 108 49 1 9,996- 107- 2003 15,596 11,234 72 515 3 10,720- 69- 2004 12,718 16,716 131 513 4 16,203- 127- 2005 19,677 9,394 48 0 9,394- 48- 2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 6607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 3568- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	1999							
2002 9,316 10,046 108 49 1 9,996- 107- 2003 15,596 11,234 72 515 3 10,720- 69- 2004 12,718 16,716 131 513 4 16,203- 127- 2005 19,677 9,394 48 0 9,334- 48- 2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 667 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 466 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 201-93 11,865 465 4 166 0 449- 4- 99-96 428 484 113 22 5 462- 108- 98-00 11,865 465 4 166 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 166 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2000	34,856	464	1		0	464-	1-
2003 15,596 11,234 72 515 3 10,720- 69- 2004 12,718 16,716 131 513 4 16,203- 127- 2005 19,677 9,394 48 0 9,394- 48- 2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- **THREE-YEAR MOVING AVERAGES** 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 96-98 631 1,034 164 62 10 972- 154- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2001	8,357	593	7		0	593-	7 –
2004 12,718 16,716 131 513 4 16,203- 127- 2005 19,677 9,394 48 0 9,394- 48- 2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,884- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2002	9,316	10,046	108	49	1	9,996-	107-
2005 19,677 9,394 48 0 0 9,394- 48- 2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2003	15,596	11,234	72	515	3	10,720-	69-
2006 9,747 13,381 137 0 13,381- 137- 2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2004	12,718	16,716	131	513	4	16,203-	127-
2007 8,135 11,205 138 746 9 10,459- 129- 2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,274- 146- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2005	19,677	9,394	48		0	9,394-	48-
2008 8,329 10,227 123 49 1 10,178- 122- 2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 3,584- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2006	9,747	13,381	137		0	13,381-	137-
2009 9,174 11,307 123 35 0 11,273- 123- 2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2007	8,135	11,205	138	746	9	10,459-	129-
2010 8,747 12,862 147 121 1 12,741- 146- 2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2008	8,329	10,227	123	49	1	10,178-	122-
2011 11,728 16,759 143 163 1 16,596- 142- 2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2009	9,174	11,307	123	35	0	11,273-	123-
2012 10,032 10,244 102 607 6 9,637- 96- 2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2010	8,747	12,862	147	121	1	12,741-	146-
2013 8,919 11,233 126 1,327 15 9,906- 111- 2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2011	11,728	16,759	143	163	1	16,596-	142-
2014 8,432 8,750 104 62 1 8,687- 103- 2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2012	10,032	10,244	102	607	6	9,637-	96-
2015 9,442 12,559 133 46 0 12,513- 133- 2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2013	8,919	11,233	126	1,327	15	9,906-	111-
2016 11,176 5,972 53 810 7 5,162- 46- 2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2014	8,432	8,750	104	62	1	8,687-	103-
2017 2,785 2,134 77 364 13 1,770- 64- TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02	2015	9,442	12,559	133	46	0	12,513-	133-
TOTAL 306,570 237,482 77 16,102 5 221,380- 72- THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2016	11,176	5,972	53	810	7	5,162-	46-
THREE-YEAR MOVING AVERAGES 92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	2017	2,785	2,134	77	364	13	1,770-	64-
92-94 27,896 16,310 58 4,076 15 12,235- 44- 93-95 18,269 13,170 72 2,272 12 10,899- 60- 94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	TOTAL	306,570	237,482	77	16,102	5	221,380-	72-
93-95 18,269 13,170 72 2,272 12 10,899-60-90-60-90-90-90-90-90-90-90-90-90-90-90-90-90	THREE-YE	AR MOVING AVERAGI	ES					
93-95 18,269 13,170 72 2,272 12 10,899-60-90-60-90-90-90-90-90-90-90-90-90-90-90-90-90	92-94	27,896	16,310	58	4,076	15	12,235-	44-
94-96 9,426 8,643 92 1,857 20 6,786- 72- 95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-								
95-97 4,992 4,180 84 526- 11- 4,706- 94- 96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-								
96-98 631 1,034 164 62 10 972- 154- 97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-								
97-99 428 484 113 22 5 462- 108- 98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-	96-98							154-
98-00 11,865 465 4 16 0 449- 4- 99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-							462-	
99-01 14,404 352 2 0 352- 2- 00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-								
00-02 17,510 3,701 21 16 0 3,684- 21- 01-03 11,090 7,291 66 188 2 7,103- 64-								
01-03					16			
	02-04			101			12,306-	98-

ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
	AR MOVING AVERAGES		101	1210 0211	101	12100211	
03-05	15,997	12,448	78	342	2	12,106-	76-
04-06	14,047	13,163	94	171	1	12,993-	92-
05-07	12,520	11,327	90	249	2	11,078-	88-
06-08	8,737	11,604	133	265	3	11,339-	130-
07-09	8,546	10,913	128	277	3	10,636-	124-
08-10	8,750	11,465	131	68	1	11,397-	130-
09-11	9,883	13,643	138	106	1	13,537-	137-
10-12	10,169	13,288	131	297	3	12,991-	128-
11-13	10,226	12,745	125	699	7	12,046-	118-
12-14	9,128	10,076	110	665	7	9,410-	103-
13-15	8,931	10,847	121	479	5	10,369-	116-
14-16	9,684	9,094	94	306	3	8,787-	91-
15-17	7,801	6,888	88	407	5	6,482-	83-
FIVE-YEA	R AVERAGE						
13-17	8,151	8,130	100	522	6	7,608-	93-



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	17,544	19,271	110	3,862	22	15,409-	88-
1993	63,379	30,420	48	3,283	5	27,137-	43-
1994	55,562	48,804	88	14,503	26	34,301-	62-
1995	12,483	12,493	100	371	3	12,121-	97-
1996	43,072	24,326	56	2,564	6	21,762-	51-
1997	17,193	19,841	115	560	3	19,281-	112-
1998	23,145	21,377	92	3,111	13	18,266-	79-
1999							
2000	107,576	27,609	26	5,553	5	22,056-	21-
2001	36,921	5,591	15	408	1	5,183-	14-
2002	34,411	19,014	55	143	0	18,872-	55-
2003	44,011	23,599	54	2,834	6	20,765-	47-
2004	53,340	32,807	62	9,507	18	23,300-	44-
2005	57,721	17,156	30	6,351	11	10,805-	19-
2006	45,245	28,297	63	2,107	5	26,190-	58-
2007	36,636	41,529	113	1,815	5	39,714-	108-
2008	90,384	32,183	36	1,577	2	30,606-	34-
2009	48,177	34,317	71	2,762	6	31,555-	65-
2010	56,311	53,813	96	2,510	4	51,302-	91-
2011	61,051	23,820	39	897	1	22,923-	38-
2012	61,184	38,672	63	4,955	8	33,717-	55-
2013	50,449	30,001	59	3,393	7	26,607-	53-
2014	65,845	33,137	50	574	1	32,563-	49-
2015	53,894	21,983	41	581	1	21,402-	40-
2016	85,229	43,516	51	1,539	2	41,977-	49-
2017	62,371	27,483	44	1,763	3	25,721-	41-
TOTAL	1,283,134	711,059	55	77,526	6	633,533-	49-
THREE-YE	AR MOVING AVERAG	ES					
92-94	45,495	32,832	72	7,216	16	25,615-	56-
93-95	43,808	30,572	70	6,053	14	24,520-	56-
94-96	37,039	28,541	77	5,813	16	22,728-	61-
95-97	24,249	18,887	78	1,165	5	17,721-	73-
96-98	27,803	21,848	79	2,078	7	19,770-	71-
97-99	13,446	13,739	102	1,224	9	12,516-	93-
98-00	43,574	16,329	37	2,888	7	13,441-	31-
99-01	48,166	11,067	23	1,987	4	9,080-	19-
00-02	59,636	17,405	29	2,034	3	15,370-	26-
01-03	38,448	16,068	42	1,128	3	14,940-	39-
02-04	43,921	25,140	57	4,162	9	20,979-	48-

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	5					
03-05	51,690	24,521	47	6,231	12	18,290-	35-
04-06	52,102	26,087	50	5,988	11	20,098-	39-
05-07	46,534	28,994	62	3,424	7	25,569-	55-
06-08	57,422	34,003	59	1,833	3	32,170-	56-
07-09	58,399	36,010	62	2,051	4	33,958-	58-
08-10	64,958	40,104	62	2,283	4	37,821-	58-
09-11	55,180	37,316	68	2,057	4	35,260-	64-
10-12	59,516	38,768	65	2,788	5	35,981-	60-
11-13	57,562	30,831	54	3,082	5	27,749-	48-
12-14	59,160	33,937	57	2,974	5	30,962-	52-
13-15	56,730	28,374	50	1,516	3	26,857-	47-
14-16	68,323	32,879	48	898	1	31,981-	47-
15-17	67,165	30,994	46	1,294	2	29,700-	44-
FIVE-YEA	R AVERAGE						
13-17	63,558	31,224	49	1,570	2	29,654-	47-



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT	PCT
1993		1,546			1,546-	
1994						
1995		8,463			8,463-	
1996	1,024		0	0		0
1997	3,449		0	0		0
1998	7,001		0	0		0
1999						
2000						
2001						
2002	3,271		0	0		0
2003	9,707		0	0		0
2004	127,906	26,390	21	0	26,390-	21-
2005	65,384	50,450	77	0	50,450-	77-
2006	42,393	16,343	39	0	16,343-	39-
2007	12,827	1,447	11	0	1,447-	11-
2008	71,526	1,016	1	0	1,016-	1-
2009	19,839	1,363	7	0	1,363-	7 –
2010	7,599	794	10	0	794-	10-
2011	39,704	5,939	15	0	5,939-	15-
2012	36,168	9,183	25	0	9,183-	25-
2013	90,320	43,897	49	0	43,897-	49-
2014	88,045	47,647	54	0	47,647-	54-
2015	89,504	4,447	5	0	4,447-	5-
2016	313,479	116,575	37	0	116,575-	37-
2017	129,433	87,930	68	0	87,930-	68-
TOTAL	1,158,580	423,428	37	0	423,428-	37-
THREE-YE	AR MOVING AVERAG	ES				
93-95		3,336			3,336-	
94-96	341	2,821	826	0	2,821-	826-
95-97	1,491	2,821	189	0	2,821-	189-
96-98	3,825		0	0		0
97-99	3,483		0	0		0
98-00	2,334		0	0		0
99-01						
00-02	1,090		0	0		0
01-03	4,326		0	0		0
02-04	46,962	8,797	19	0	8,797-	19-
03-05	67,666	25,613	38	0	25,613-	38-
04-06	78,561	31,061	40	0	31,061-	40-

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS	NET	
	REGULAR	REMOVAL		SALVAGE	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT P	CT
THREE-YE	AR MOVING AVERAGES	3				
05-07	40,201	22,747	57	0	22,747-	57-
06-08	42,249	6,268	15	0	6,268-	15-
07-09	34,731	1,275	4	0	1,275-	4-
08-10	32,988	1,057	3	0	1,057-	3 –
09-11	22,381	2,699	12	0	2,699-	12-
10-12	27,824	5,305	19	0	5,305-	19-
11-13	55,397	19,673	36	0	19,673-	36-
12-14	71,511	33,576	47	0	33,576-	47-
13-15	89,290	31,997	36	0	31,997-	36-
14-16	163,676	56,223	34	0	56,223-	34-
15-17	177,472	69,651	39	0	69,651-	39-
FIVE-YEA	R AVERAGE					
13-17	142,156	60,099	42	0	60,099-	42-



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1993				4,262		4,262	
1994				1,779		1,779	
1995				_,		= 7	
1996				4,933		4,933	
1997				-,,,,		-,,,,,	
1998							
1999	74,853		0	4,686	6	4,686	6
2000	164,058		0	4 = 044	10	15,811	10
2001	178,333		0	7,921	4	7,921	4
2002	227,206		0	31,711	14	31,711	14
2003	214,989		0	115-		115-	0
2004	82,791		0	15,472	19	15,472	19
2005	414,089		0	42,938		42,938	10
2006	184,904		0	6,391		6,391	3
2007	133,337		0	35,667-	27-	35,667-	27-
2008	136,848		0	6,645	5	6,645	5
2009	378,412		0	9,532	3	9,532	3
2010	108,679		0	5,967	5	5,967	5
2011	105,948		0	14,236	13	14,236	13
2012	179,844		0	9,704	5	9,704	5
2013	195,649		0	6,380	3	6,380	3
2014	62,469		0	4,304	7	4,304	7
2015	162,406		0	5,312	3	5,312	3
2016	132,877		0	3,259	2	3,259	2
2017	80,186		0	22,950	29	22,950	29
TOTAL	3,217,877		0	188,413	6	188,413	6
THREE-YE	CAR MOVING AVERAG	ES					
93-95				2,014		2,014	
94-96				2,238		2,238	
95-97				1,644		1,644	
96-98				1,644		1,644	
97-99	24,951		0	1,562	6	1,562	6
98-00	79,637		0	6,832	9	6,832	9
99-01	139,081		0	9,473	7	9,473	7
00-02	189,866		0	18,481	10	18,481	10
01-03	206,843		0	13,172	6	13,172	6
02-04	174,996		0	15,690	9	15,690	9
03-05	237,290		0	19,432	8	19,432	8
04-06	227,261		0	21,600	10	21,600	10



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

	REGULAR	COST O		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
05-07	244,110		0	4,554	2	4,554	2
06-08	151,696		0	7,544-	5 –	7,544-	5 –
07-09	216,199		0	6,497-	3 –	6,497-	3 –
08-10	207,980		0	7,381	4	7,381	4
09-11	197,680		0	9,912	5	9,912	5
10-12	131,490		0	9,969	8	9,969	8
11-13	160,480		0	10,107	6	10,107	6
12-14	145,987		0	6,796	5	6,796	5
13-15	140,175		0	5,332	4	5,332	4
14-16	119,250		0	4,292	4	4,292	4
15-17	125,156		0	10,507	8	10,507	8
FIVE-YEA	R AVERAGE						
13-17	126,717		0	8,441	7	8,441	7



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	107,771		0		0		0
1993	•						
1994				1,000		1,000	
1995							
1996							
1997	9,248		0		0		0
1998							
1999	114,924		0	3,844	3	3,844	3
2000	276,600		0	5,145	2	5,145	2
2001	98,718		0	3,744	4	3,744	4
2002	291,002		0	23,981	8	23,981	8
2003	87,082		0	111-	0	111-	0
2004	147,678		0	46,352	31	46,352	31
2005	348,124		0	17,400	5	17,400	5
2006	228,390		0	14,106	6	14,106	6
2007	228,896		0	16,437	7	16,437	7
2008	160,190		0	2,627	2	2,627	2
2009	307,412		0	12,340	4	12,340	4
2010	46,328	1,442	3	1,241	3	201-	0
2011	75,890		0	4,185	6	4,185	6
2012	173,515		0	10,150	6	10,150	6
2013				1,228-		1,228-	
2014	54,789		0	2,378	4	2,378	4
2015	39,045		0	69-	0	69-	0
2016				550		550	
2017	116,978		0	6,500	6	6,500	6
TOTAL	2,912,579	1,442	0	170,572	6	169,130	6
THREE-YE	CAR MOVING AVERAG	ES					
92-94	35,924		0	333	1	333	1
93-95	,			333	_	333	_
94-96				333		333	
95-97	3,083		0		0		0
96-98	3,083		0		0		0
97-99	41,391		0	1,281	3	1,281	3
98-00	130,508		0	2,996	2	2,996	2
99-01	163,414		0	4,245	3	4,245	3
00-02	222,106		0	10,957	5	10,957	5
01-03	158,934		0	9,205	6	9,205	6
02-04	175,254		0	23,407	13	23,407	13



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	194,295		0	21,214	11	21,214	11
04-06	241,398		0	25,953	11	25,953	11
05-07	268,470		0	15,981	6	15,981	6
06-08	205,825		0	11,057	5	11,057	5
07-09	232,166		0	10,468	5	10,468	5
08-10	171,310	481	0	5,403	3	4,922	3
09-11	143,210	481	0	5,922	4	5,441	4
10-12	98,578	481	0	5,192	5	4,711	5
11-13	83,135		0	4,369	5	4,369	5
12-14	76,101		0	3,766	5	3,766	5
13-15	31,278		0	360	1	360	1
14-16	31,278		0	953	3	953	3
15-17	52,008		0	2,327	4	2,327	4
FIVE-YEAR	R AVERAGE						
13-17	42,162		0	1,626	4	1,626	4



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	2,097		0		0		0
1993	,						
1994							
1995							
1996							
1997	31,730		0		0		0
1998							
1999	6,970		0		0		0
2000	24,823		0		0		0
2001	17,772		0		0		0
2002	19,600		0	3,314	17	3,314	17
2003	20,701		0	820-	4 –	820-	4 –
2004	5,706		0	1,176	21	1,176	21
2005	4,421		0	334-	8 –	334-	8 –
2006	83,301		0	17,561	21	17,561	21
2007	71,055		0	342-	0	342-	0
2008	1,480	71	5	976-	66-	1,047-	71-
2009	1,028		0	1,044-	102-	1,044-	102-
2010				529-		529-	
2011	2,607		0	59-	2-	59-	2-
2012	41,269	295	1	100	0	195-	0
2013	7,528		0	6,400	85	6,400	85
2014							
2015							
2016							
2017				700		700	
TOTAL	342,089	366	0	25,146	7	24,780	7
THREE-YE	EAR MOVING AVERAGES						
92-94	699		0		0		0
93-95	0,00		O		O		O
94-96							
95-97	10,577		0		0		0
96-98	10,577		0		0		0
97-99	12,900		0		0		0
98-00	10,598		0		0		0
99-01	16,522		0		0		0
00-02	20,732		0	1,105	5	1,105	5
01-03	19,358		0	831	4	831	4
02-04	15,336		0	1,223	8	1,223	8
	•			•		*	

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	10,276		0	7	0	7	0
04-06	31,143		0	6,134	20	6,134	20
05-07	52,926		0	5,628	11	5,628	11
06-08	51,945	24	0	5,414	10	5,391	10
07-09	24,521	24	0	787-	3 –	811-	3 –
08-10	836	24	3	850-	102-	873-	104-
09-11	1,212		0	544-	45-	544-	45-
10-12	14,626	98	1	163-	1-	261-	2-
11-13	17,135	98	1	2,147	13	2,049	12
12-14	16,266	98	1	2,167	13	2,068	13
13-15	2,509		0	2,133	85	2,133	85
14-16							
15-17				233		233	
FIVE-YEA	R AVERAGE						
13-17	1,506		0	1,420	94	1,420	94



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
	124,338		0	20,815	17	20,815	
2000							17
2001	27,527		0	9,397	34	9,397	34
2002	317,433		0	45,029	14	45,029	14
2003	47,224		0	2,817-	6-	2,817-	6-
2004				8,946		8,946	
2005	01 062		0	4,171-	1	4,171-	1
2006	21,863		0	140-	1-	140-	1-
2007	163,120		0	17,619	11	17,619	11
2008	232,915		0	34,776	15	34,776	15
2009	245,596		0	27,258	11	27,258	11
2010	242,288		0	28,195	12	28,195	12
2011	150,118		0	24,201	16	24,201	16
2012	78,742		0	7,209	9	7,209	9
2013	78,626		0	11,262	14	11,262	14
2014	105,034		0	5,829	6	5,829	6
2015	58,129		0	1,284	2	1,284	2
2016							
2017	333,733		0	39,500	12	39,500	12
TOTAL	2,226,684		0	274,192	12	274,192	12
THREE-YEA	AR MOVING AVERAG	ES					
00-02	156,433		0	25,080	16	25,080	16
01-03	130,728		0	17,203	13	17,203	13
02-04	121,552		0	17,053	14	17,053	14
03-05	15,741		0	653	4	653	4
04-06	7,288		0	1,545	21	1,545	21
05-07	61,661		0	4,436	7	4,436	7
06-08	139,299		0	17,418	13	17,418	13
07-09	213,877		0	26,551	12	26,551	12
08-10	240,266		0	30,076	13	30,076	13
09-11	212,667		0	26,551	12	26,551	12
10-12	157,049		0	19,868	13	19,868	13
11-13	102,495		0	14,224	14	14,224	14
12-14	87,467		0	8,100	9	8,100	9
13-15	80,596		0	6,125	8	6,125	8



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	54,387		0	2,371	4	2,371	4
15-17	130,621		0	13,595	10	13,595	10
FIVE-YEA	R AVERAGE						
13-17	115,104		0	11,575	10	11,575	10



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	373,372		0	285,641	77	285,641	77
1993							
1994	664,418		0	324,449	49	324,449	49
1995	377,005		0	216,327	57	216,327	57
1996	1,511,878		0	798,716	53	798,716	53
1997	578,053		0	15,398-	3 –	15,398-	3 –
1998	107,567-		0	58,000	54-	58,000	54-
1999	545,666		0	164,278	30	164,278	30
2000	1,269,949		0	212,597	17	212,597	17
2001	727,727		0	248,424	34	248,424	34
2002	477,298		0	86,449	18	86,449	18
2003	2,263,746		0	586,891	26	586,891	26
2004	1,011,270		0	82,434	8	82,434	8
2005	700,980	6,705	1	238,029	34	231,324	33
2006	2,207,595	4,182	0	98,549	4	94,367	4
2007	3,276,691	20,544	1	491,626	15	471,082	14
2008	1,109,122	6,918	1	217,067	20	210,148	19
2009	989,141		0	45,699	5	45,699	5
2010	1,768,137	10,825	1	344,920	20	334,095	19
2011	1,563,332	71,167	5	237,611	15	166,444	11
2012	2,383,136	84,733	4	395,197	17	310,464	13
2013	1,354,855	26,270	2	968,636	71	942,366	70
2014	604,377	165,372	27	186,712	31	21,341	4
2015	1,554,666	81,227	5	167,425	11	86,197	6
2016	4,640,545	51,610	1	904,555	19	852,945	18
2017	3,006,517	41,934	1	459,253	15	417,319	14
TOTAL	34,851,907	571,488	2	7,804,086	22	7,232,598	21
THREE-YE	EAR MOVING AVERAG	ES					
92-94	345,930		0	203,363	59	203,363	59
93-95	347,141		0	180,259	52	180,259	52
94-96	851,100		0	446,497	52	446,497	52
95-97	822,312		0	333,215	41	333,215	41
96-98	660,788		0	280,439	42	280,439	42
97-99	338,717		0	68,960	20	68,960	20
98-00	569,349		0	144,959	25	144,959	25
99-01	847,781		0	208,433	25	208,433	25
00-02	824,991		0	182,490	22	182,490	22
01-03	1,156,257		0	307,255	27	307,255	27
02-04	1,250,771		0	251,925	20	251,925	20

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	1,325,332	2,235	0	302,451	23	300,216	23
04-06	1,306,615	3,629	0	139,670	11	136,041	10
05-07	2,061,755	10,477	1	276,068	13	265,591	13
06-08	2,197,803	10,548	0	269,080	12	258,532	12
07-09	1,791,651	9,154	1	251,464	14	242,310	14
08-10	1,288,800	5,914	0	202,562	16	196,647	15
09-11	1,440,203	27,331	2	209,410	15	182,079	13
10-12	1,904,868	55,575	3	325,910	17	270,334	14
11-13	1,767,108	60,723	3	533,815	30	473,091	27
12-14	1,447,456	92,125	6	516,849	36	424,724	29
13-15	1,171,299	90,956	8	440,924	38	349,968	30
14-16	2,266,529	99,403	4	419,564	19	320,161	14
15-17	3,067,242	58,257	2	510,411	17	452,154	15
FIVE-YEA	R AVERAGE						
13-17	2,232,192	73,283	3	537,316	24	464,034	21



CALIFORNIA PROPERTY



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT	PCT
1994	183		0	0		0
1995	525		0	0		0
1996						
1997	18,302	12,966	71	0	12,966-	71-
1998	15		0	0	•	0
1999						
2000						
2001						
2002	1,232		0	0		0
2003	•					
2004	2,096	438	21	0	438-	21-
2005	14,315		0	0		0
2006	491	20	4	0	20-	4-
2007		320			320-	
2008	121		0	0		0
2009	30,429	89	0	0	89-	0
2010	•					
2011	20,958	5,287	25	0	5,287-	25-
2012	•	•			,	
2013						
2014	12,755		0	0		0
2015	133	17,621		0	17,621-	
2016						
2017	2,258		0	0		0
TOTAL	103,814	36,740	35	0	36,740-	35-
THREE-YE	AR MOVING AVERAG	ES				
94-96	236		0	0		0
95-97	6,276	4,322	69	0	4,322-	69-
96-98	6,106	4,322	71	0	4,322-	71-
97-99	6,106	4,322	71	0	4,322-	71-
98-00	5		0	0		0
99-01						
00-02	411		0	0		0
01-03	411		0	0		0
02-04	1,109	146	13	0	146-	13-
03-05	5,470	146	3	0	146-	3 –
04-06	5,634	153	3	0	153-	3-
05-07	4,935	113	2	0	113-	2-
06-08	204	113	56	0	113-	56-

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE	NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES					
07-09	10,183	136	1	0	136-	1-
08-10	10,183	30	0	0	30-	0
09-11	17,129	1,792	10	0	1,792-	10-
10-12	6,986	1,762	25	0	1,762-	25-
11-13	6,986	1,762	25	0	1,762-	25-
12-14	4,252		0	0		0
13-15	4,296	5,874	137	0	5,874-	137-
14-16	4,296	5,874	137	0	5,874-	137-
15-17	797	5,874	737	0	5,874-	737-
FIVE-YEAR	R AVERAGE					
13-17	3,029	3,524	116	0	3,524-	116-



ACCOUNT 362 STATION EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	121,382	40,447	33	831	1	39,616-	33-
1993	14,743	461	3		0	461-	3 –
1994	35,766	24,381	68		0	24,381-	
1995	87,998	22,398	25	24,000	27	1,602	2
1996	7,481	12,200	163	93	1	12,106-	162-
1997	59,239		105		0	62,197-	105-
1998	20,547	21,270	104		0	21,270-	104-
1999		4,828				4,828-	
2000	13,666	2,172	16		0	2,172-	16-
2001	36,352	5,971	16		0	5,971-	16-
2002	59,993	6,568	11		0	6,568-	11-
2003	70,107	14,061	20		0	14,061-	20-
2004	259,666	44,662	17		0	44,662-	17-
2005	227,399	91,346	40		0	91,346-	40-
2006	90,347	53,190	59		0	53,190-	59-
2007	99,515	14,895	15		0	14,895-	15-
2008	102,352	277,636	271		0	277,636-	271-
2009	708,927	56,721	8		0	56,721-	8 –
2010	13,149	61,804	470		0	61,804-	470-
2011	230,915	18,585	8		0	18,585-	8 –
2012	66,611	48,189	72	5,100	8	43,089-	65-
2013	70,989	44,098	62		0	44,098-	62-
2014	763,085	35,048	5		0	35,048-	5 –
2015	372,061-	67,699	18-		0	67,699-	18
2016	55,604	73,486-	132-		0	73,486	132
2017	226,238	7,271	3		0	7,271-	3-
TOTAL	3,070,009	964,614	31	30,024	1	934,590-	30-
THREE-YE.	AR MOVING AVERAGE	IS					
92-94	57,297	21,763	38	277	0	21,486-	37-
93-95	46,169	15,747	34	8,000	17	7,747-	17-
94-96	43,748	19,660	45	8,031	18	11,629-	27-
95-97	51,572	32,265	63	8,031	16	24,234-	47-
96-98	29,089	31,889	110	31	0	31,858-	110-
97-99	26,595	29,432	111		0	29,432-	111-
98-00	11,404	9,424	83		0	9,424-	83-
99-01	16,673	4,324	26		0	4,324-	26-
00-02	36,670	4,904	13		0	4,904-	13-
01-03	55,484	8,867	16		0	8,867-	16-
02-04	129,922	21,764	17		0	21,764-	17-

ACCOUNT 362 STATION EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES						
03-05	185,724	50,023	27		0	50,023-	27-
04-06	192,471	63,066	33		0	63,066-	33-
05-07	139,087	53,144	38		0	53,144-	38-
06-08	97,405	115,241	118		0	115,241-	118-
07-09	303,598	116,418	38		0	116,418-	38-
08-10	274,809	132,054	48		0	132,054-	48-
09-11	317,664	45,703	14		0	45,703-	14-
10-12	103,558	42,859	41	1,700	2	41,159-	40-
11-13	122,838	36,957	30	1,700	1	35,257-	29-
12-14	300,228	42,445	14	1,700	1	40,745-	14-
13-15	154,004	48,948	32		0	48,948-	32-
14-16	148,876	9,754	7		0	9,754-	7 –
15-17	30,073-	495	2-		0	495-	2
FIVE-YEA	R AVERAGE						
13-17	148,771	16,126	11		0	16,126-	11-



ACCOUNT 364 POLES, TOWERS AND FIXTURES

REGULAR REMOVAL SALVAGE SALVAGE YEAR RETIREMENTS AMOUNT PCT AMOUNT PCT AMOUNT 1992 243,794 257,767 106 20,156 8 237,611-1993 1993 253,848 261,808 103 7,957 3 253,851-1994 1994 388,010 279,379 72 4,390 1 274,989-1995 1995 167,365 234,268 140 2,313 1 231,955-1996 1996 105,149 118,446 113 5,989 6 112,457-1997 1997 217,342 278,378 128 27,502 13 250,876-1997 1998 167,579 270,970 162 7,884 5 263,085-1999 2000 1,101,151 519,697 47 0 519,697-200 2001 352,474 409,589 116 6,207 2 403,382-200 2002 137,038 241,724 176	
1992 243,794 257,767 106 20,156 8 237,611- 1993 253,848 261,808 103 7,957 3 253,851- 1994 388,010 279,379 72 4,390 1 274,989- 1995 167,365 234,268 140 2,313 1 231,955- 1996 105,149 118,446 113 5,989 6 112,457- 1997 217,342 278,378 128 27,502 13 250,876- 1998 167,579 270,970 162 7,884 5 263,085- 1999 212,675 2,887 209,788- 2000 1,101,151 519,697 47 0 519,697- 2001 352,474 409,589 116 6,207 2 403,382- 2002 137,038 241,724 176 2,301 2 239,423- 2003 176,782 187,425 106 6,520 4 180,905-	
1993 253,848 261,808 103 7,957 3 253,851- 1994 388,010 279,379 72 4,390 1 274,989- 1995 167,365 234,268 140 2,313 1 231,955- 1996 105,149 118,446 113 5,989 6 112,457- 1997 217,342 278,378 128 27,502 13 250,876- 1998 167,579 270,970 162 7,884 5 263,085- 1999 212,675 2,887 209,788- 2000 1,101,151 519,697 47 0 519,697- 2001 352,474 409,589 116 6,207 2 403,382- 2002 137,038 241,724 176 2,301 2 239,423- 2003 176,782 187,425 106 6,520 4 180,905-	PCT
1994 388,010 279,379 72 4,390 1 274,989-1995 1995 167,365 234,268 140 2,313 1 231,955-1996 1996 105,149 118,446 113 5,989 6 112,457-1997 1997 217,342 278,378 128 27,502 13 250,876-1998 1998 167,579 270,970 162 7,884 5 263,085-1999 2000 1,101,151 519,697 47 0 519,697-1997 2001 352,474 409,589 116 6,207 2 403,382-1997 2002 137,038 241,724 176 2,301 2 239,423-1997 2003 176,782 187,425 106 6,520 4 180,905-1995	97-
1995 167,365 234,268 140 2,313 1 231,955- 1996 105,149 118,446 113 5,989 6 112,457- 1997 217,342 278,378 128 27,502 13 250,876- 1998 167,579 270,970 162 7,884 5 263,085- 1999 212,675 2,887 209,788- 2000 1,101,151 519,697 47 0 519,697- 2001 352,474 409,589 116 6,207 2 403,382- 2002 137,038 241,724 176 2,301 2 239,423- 2003 176,782 187,425 106 6,520 4 180,905-	100-
1996 105,149 118,446 113 5,989 6 112,457-197-198-198-198-198-198-198-199-198-198-198	71-
1997 217,342 278,378 128 27,502 13 250,876-1998 1998 167,579 270,970 162 7,884 5 263,085-1999 2000 1,101,151 519,697 47 0 519,697-2001 2001 352,474 409,589 116 6,207 2 403,382-2002 2002 137,038 241,724 176 2,301 2 239,423-2003 2003 176,782 187,425 106 6,520 4 180,905-200-200	139-
1998 167,579 270,970 162 7,884 5 263,085- 1999 212,675 2,887 209,788- 2000 1,101,151 519,697 47 0 519,697- 2001 352,474 409,589 116 6,207 2 403,382- 2002 137,038 241,724 176 2,301 2 239,423- 2003 176,782 187,425 106 6,520 4 180,905-	107-
1999 212,675 2,887 209,788- 2000 1,101,151 519,697 47 0 519,697- 2001 352,474 409,589 116 6,207 2 403,382- 2002 137,038 241,724 176 2,301 2 239,423- 2003 176,782 187,425 106 6,520 4 180,905-	115-
2000 1,101,151 519,697 47 0 519,697- 2001 352,474 409,589 116 6,207 2 403,382- 2002 137,038 241,724 176 2,301 2 239,423- 2003 176,782 187,425 106 6,520 4 180,905-	157-
2001 352,474 409,589 116 6,207 2 403,382- 2002 137,038 241,724 176 2,301 2 239,423- 2003 176,782 187,425 106 6,520 4 180,905-	
2002 137,038 241,724 176 2,301 2 239,423- 2003 176,782 187,425 106 6,520 4 180,905-	47-
2003 176,782 187,425 106 6,520 4 180,905-	114-
	175-
2004 174,787 268,446 154 2,179 1 266,267-	102-
	152-
2005 201,077 456,271 227 16,515 8 439,756-	219-
2006 193,911 431,025 222 1,701 1 429,323-	221-
2007 188,818 283,148 150 11,958 6 271,190-	144-
2008 151,874 265,982 175 3,268 2 262,714-	173-
2009 97,860 263,149 269 9,962 10 253,187-	259-
2010 104,621 174,071 166 2,709 3 171,362-	164-
2011 151,585 337,638 223 5,508 4 332,130-	219-
2012 113,530 238,642 210 5,014 4 233,628-	206-
2013 152,215 1,157,386 760 14,995 10 1,142,391-	751-
2014 204,121 328,138 161 10,608 5 317,529-	156-
2015 17,950 230,676 21,856 122 208,820-	
2016 119,885 334,453 279 9,078 8 325,375-	271-
2017 56,845 129,865 228 9,361 16 120,504-	212-
TOTAL 5,239,612 8,171,015 156 218,819 4 7,952,196-	152-
THREE-YEAR MOVING AVERAGES	
92-94 295,218 266,318 90 10,834 4 255,484-	87-
93-95 269,741 258,485 96 4,887 2 253,598-	94-
94-96 220,175 210,698 96 4,231 2 206,467-	94-
95-97 163,285 210,364 129 11,935 7 198,429-	122-
96-98 163,357 222,598 136 13,792 8 208,806-	128-
97-99 128,307 254,008 198 12,758 10 241,250-	188-
98-00 422,910 334,447 79 3,590 1 330,857-	78-
99-01 484,542 380,653 79 3,031 1 377,622-	78-
00-02 530,221 390,336 74 2,836 1 387,500-	73-
01-03 222,098 279,579 126 5,010 2 274,570-	124_
02-04 162,869 232,531 143 3,667 2 228,865-	124-

ACCOUNT 364 POLES, TOWERS AND FIXTURES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES						
03-05	184,215	304,047	165	8,405	5	295,643-	160-
04-06	189,925	385,247	203	6,798	4	378,449-	199-
05-07	194,602	390,148	200	10,058	5	380,090-	195-
06-08	178,201	326,718	183	5,642	3	321,076-	180-
07-09	146,184	270,759	185	8,396	6	262,364-	179-
08-10	118,118	234,401	198	5,313	4	229,088-	194-
09-11	118,022	258,286	219	6,060	5	252,227-	214-
10-12	123,245	250,117	203	4,411	4	245,707-	199-
11-13	139,110	577,889	415	8,506	6	569,383-	409-
12-14	156,622	574,722	367	10,206	7	564,516-	360-
13-15	124,762	572,067	459	15,820	13	556,247-	446-
14-16	113,985	297,756	261	13,847	12	283,908-	249-
15-17	64,893	231,665	357	13,432	21	218,233-	336-
FIVE-YEA	R AVERAGE						
13-17	110,203	436,104	396	13,180	12	422,924-	384-



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	174,492	146,550	84	19,234	11	127,315-	73-
1993	240,697	175,525	73	5,918	2	169,607-	70-
1994	316,972	230,424	73	4,880	2	225,544-	71-
1995	134,129	162,291	121	1,970	1	160,321-	120-
1996	89,614	93,210	104	4,390	5	88,820-	99-
1997	135,565	158,058	117	18,522	14	139,536-	103-
1998	105,888	111,358	105	6,225	6	105,133-	99-
1999		70,892		4,948		65,944-	
2000	356,855	81,980	23		0	81,980-	23-
2001	98,619	50,623	51	12,603	13	38,020-	39-
2002	53,678	36,907	69	3,186	6	33,721-	63-
2003	56,804	66,617	117	3,533	6	63,084-	111-
2004	87,670	39,168	45	350	0	38,818-	44-
2005	104,151	131,489	126	8,863	9	122,626-	
2006	26,448	76,133	288	1,388	5	74,745-	283-
2007	56,554	40,574	72	2,493	4	38,081-	67-
2008	51,095	33,187	65	1,709	3	31,478-	62-
2009	32,317	43,541	135	6,339	20	37,203-	115-
2010	31,067	37,585	121	3,650	12	33,934-	109-
2011	95,687	55,945	58	7,431	8	48,514-	51-
2012	27,674	29,838	108	2,518	9	27,320-	99-
2013	145,580	135,068	93	16,763	12	118,305-	81-
2014	253,664	20,337	8	2,913	1	17,424-	7 –
2015	17,789	33,725	190	419	2	33,306-	
2016	17,866	13,048	73	3,096	17	9,953-	56-
2017	53,227	29,447	55	8,306	16	21,141-	40-
TOTAL	2,764,103	2,103,520	76	151,645	5	1,951,874-	71-
THREE-YE	AR MOVING AVERAG	ES					
92-94	244,054	184,166	75	10,010	4	174,156-	71-
93-95	230,599	189,413	82	4,256	2	185,157-	80-
94-96	180,238	161,975	90	3,747	2	158,228-	88-
95-97	119,769	137,853	115	8,294	7	129,559-	108-
96-98	110,356	120,875	110	9,712	9	111,163-	101-
97-99	80,484	113,436	141	9,898	12	103,538-	129-
98-00	154,248	88,076	57	3,724	2	84,352-	55-
99-01	151,825	67,832	45	5,850	4	61,981-	41-
00-02	169,718	56,504	33	5,263	3	51,241-	30-
01-03	69,701	51,382	74	6,441	9	44,942-	64-
02-04	66,051	47,564	72	2,356	4	45,208-	68-

ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	3					
03-05	82,875	79,091	95	4,248	5	74,843-	90-
04-06	72,756	82,263	113	3,534	5	78,730-	108-
05-07	62,384	82,732	133	4,248	7	78,484-	126-
06-08	44,699	49,965	112	1,863	4	48,101-	108-
07-09	46,655	39,101	84	3,514	8	35,587-	76-
08-10	38,160	38,104	100	3,899	10	34,205-	90-
09-11	53,024	45,690	86	5,807	11	39,884-	75-
10-12	51,476	41,123	80	4,533	9	36,590-	71-
11-13	89,647	73,617	82	8,904	10	64,713-	72-
12-14	142,306	61,748	43	7,398	5	54,350-	38-
13-15	139,011	63,043	45	6,698	5	56,345-	41-
14-16	96,440	22,370	23	2,142	2	20,228-	21-
15-17	29,627	25,407	86	3,940	13	21,467-	72-
FIVE-YEA	R AVERAGE						
13-17	97,625	46,325	47	6,299	6	40,026-	41-



ACCOUNT 366 UNDERGROUND CONDUIT

YEAR RETIREMENTS AMOUNT PCT AMOUNT PCT AMOUNT PCT 1992 27,089 7,108 26 1,240 5 5,868- 22- 1993 23,207 16,911 73 572 2 16,339- 70- 1994 152,417 24,769 16 739 0 24,030- 16- 1995 10,314 9,717 94 625 6 9,091- 88- 1996 6,840 3,238 47 175 3 3,063- 45- 1997 6,024 4,318 72 114 2 4,204- 70- 1998 44,751 18,661 42 2,538 6 16,123- 36- 1999 1,066 0 1,211- 9- 0 1,211- 9- 2001 6,746 4,516- 67 0 4,516- 67- 2002 4,968 6,516 131 0
1993 23,207 16,911 73 572 2 16,339-70-10-10-10-10-10-10-10-10-10-10-10-10-10
1994 152,417 24,769 16 739 0 24,030- 16- 1995 10,314 9,717 94 625 6 9,091- 88- 1996 6,840 3,238 47 175 3 3,063- 45- 1997 6,024 4,318 72 114 2 4,204- 70- 1998 44,751 18,661 42 2,538 6 16,123- 36- 1999 1,066 1,066- 1,066- 1,066- 1,066- 1,211- 9- 2001 6,746 4,516- 67 0 4,516- 67- 2002 4,968 6,516- 131 0 6,516- 131- 2003 4,267 6,750 158 529 12 6,221- 146-
1995 10,314 9,717 94 625 6 9,091- 88- 1996 6,840 3,238 47 175 3 3,063- 45- 1997 6,024 4,318 72 114 2 4,204- 70- 1998 44,751 18,661 42 2,538 6 16,123- 36- 1999 1,066 1,066- 1,066- 2000 13,419 1,211 9 0 1,211- 9- 2001 6,746 4,516 67 0 4,516- 67- 2002 4,968 6,516 131 0 6,516- 131- 2003 4,267 6,750 158 529 12 6,221- 146-
1996 6,840 3,238 47 175 3 3,063- 45- 1997 6,024 4,318 72 114 2 4,204- 70- 1998 44,751 18,661 42 2,538 6 16,123- 36- 1999 1,066 1,066- 1,066- 2000 13,419 1,211 9 0 1,211- 9- 2001 6,746 4,516 67 0 4,516- 67- 2002 4,968 6,516 131 0 6,516- 131- 2003 4,267 6,750 158 529 12 6,221- 146-
1997 6,024 4,318 72 114 2 4,204-70-198 1998 44,751 18,661 42 2,538 6 16,123-36-199 1999 1,066 1,066-198-199 1,211-9-199 0 1,211-9-199 2001 6,746 4,516-67 0 4,516-67-199 2002 4,968 6,516-131 0 6,516-131-199 2003 4,267 6,750-158 529-12 6,221-146-199
1998 44,751 18,661 42 2,538 6 16,123-36-199 1999 1,066 1,066-199 2000 13,419 1,211 9 0 1,211-9-199 2001 6,746 4,516-67 0 4,516-67-199 2002 4,968 6,516-131 0 6,516-131-199 2003 4,267 6,750-158 529-12 6,221-146-199
1999 1,066 1,066- 2000 13,419 1,211 9 0 1,211- 9- 2001 6,746 4,516 67 0 4,516- 67- 2002 4,968 6,516 131 0 6,516- 131- 2003 4,267 6,750 158 529 12 6,221- 146-
2000 13,419 1,211 9 0 1,211- 9- 2001 6,746 4,516- 67- 0 4,516- 67- 2002 4,968 6,516- 131- 0 6,516- 131- 2003 4,267 6,750- 158- 529- 12 6,221- 146-
2001 6,746 4,516 67 0 4,516- 67- 2002 4,968 6,516 131 0 6,516- 131- 2003 4,267 6,750 158 529 12 6,221- 146-
2002 4,968 6,516 131 0 6,516- 131- 2003 4,267 6,750 158 529 12 6,221- 146-
2003 4,267 6,750 158 529 12 6,221- 146-
0004 2 102
2004 3,183 5,582 175 430 14 5,152- 162-
2005 16,800 4,901 29 12 0 4,889- 29-
2006 14,101 8,186 58 0 8,186- 58-
2007 19,423 13,155 68 693 4 12,462- 64-
2008
2009 9,948 7,700 77 529 5 7,171- 72-
2010 7,098 13,363 188 0 13,363- 188-
2011 4,396 5,291 120 116 3 5,175- 118-
2012 16,955 6,269 37 89 1 6,180- 36-
2013 9,256 16,546 179 803 9 15,743- 170-
2014 15,787 7,645 48 45 0 7,600- 48-
2015 58,290 9,233 16 3,220 6 6,013- 10-
2016 1,861- 8,365 450- 429 23- 7,935- 426
2017 9,657 8,697 90 0 8,697- 90-
TOTAL 503,060 235,068 47 13,807 3 221,261- 44-
THREE-YEAR MOVING AVERAGES
92-94 67,571 16,262 24 850 1 15,412- 23-
93-95 61,979 17,132 28 645 1 16,486- 27-
94-96 56,524 12,575 22 513 1 12,061- 21-
95-97 7,726 5,758 75 305 4 5,453- 71-
96-98 19,205 8,739 46 942 5 7,797- 41-
97-99 16,925 8,015 47 884 5 7,131- 42-
98-00 19,390 6,979 36 846 4 6,133- 32-
99-01 6,722 2,264 34 0 2,264- 34-
00-02 8,378 4,081 49 0 4,081- 49-
01-03 5,327 5,927 111 176 3 5,751- 108-
02-04 4,140 6,283 152 320 8 5,963- 144-

ACCOUNT 366 UNDERGROUND CONDUIT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	}					
03-05	8,083	5,744	71	324	4	5,421-	67-
04-06	11,361	6,223	55	147	1	6,075-	53-
05-07	16,775	8,747	52	235	1	8,512-	51-
06-08	17,836	12,232	69	534	3	11,698-	66-
07-09	16,452	12,070	73	710	4	11,360-	69-
08-10	12,343	12,140	98	479	4	11,661-	94-
09-11	7,147	8,785	123	215	3	8,570-	120-
10-12	9,483	8,308	88	68	1	8,239-	87-
11-13	10,202	9,369	92	336	3	9,033-	89-
12-14	13,999	10,153	73	312	2	9,841-	70-
13-15	27,778	11,141	40	1,356	5	9,785-	35-
14-16	24,072	8,414	35	1,231	5	7,183-	30-
15-17	22,029	8,765	40	1,216	6	7,548-	34-
FIVE-YEA	R AVERAGE						
13-17	18,226	10,097	55	899	5	9,198-	50-



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	129,006	9,404	7	1,463	1	7,941-	6-
1993	37,951	14,491	38	545	1	13,946-	37-
1994	302,380	16,067	5	320	0	15,746-	5 –
1995	9,377	10,728	114	205	2	10,523-	112-
1996	17,507	16,446	94	1,216	7	15,230-	87-
1997	5,933	6,956	117	303	5	6,653-	112-
1998	19,016	13,071	69	1,025	5	12,046-	63-
1999		355				355-	
2000	25,785	301	1		0	301-	1-
2001	12,675	675	5		0	675-	5 –
2002	5,988	11,365	190		0	11,365-	190-
2003	2,307	3,398	147		0	3,398-	147-
2004	15,598	19,570	125	1,568	10	18,002-	115-
2005	34,179	55,777	163	2,112	6	53,665-	157-
2006	9,679	11,672	121		0	11,672-	121-
2007	32,903	18,375	56	754	2	17,621-	54-
2008	34,754	14,907	43	1,645	5	13,261-	38-
2009	15,329	13,144	86	436	3	12,708-	83-
2010	14,402	8,083	56		0	8,083-	56-
2011	22,925	11,323	49		0	11,323-	49-
2012	51,054	16,821	33	187	0	16,633-	33-
2013	13,110	32,411	247	507	4	31,905-	243-
2014	130,903	30,643	23	1,325	1	29,318-	22-
2015	32,407-	2,525	8 –		0	2,525-	8
2016	27,767	41,465	149	4,584	17	36,881-	
2017	22,640	18,500	82		0	18,500-	82-
TOTAL	960,761	398,472	41	18,195	2	380,277-	40-
THREE-YE	AR MOVING AVERAG	ES					
92-94	156,446	13,320	9	776	0	12,544-	8 –
93-95	116,570	13,762	12	357	0	13,405-	11-
94-96	109,755	14,413	13	580	1	13,833-	13-
95-97	10,939	11,376	104	575	5	10,802-	99-
96-98	14,152	12,158	86	848	6	11,310-	80-
97-99	8,316	6,794	82	443	5	6,351-	76-
98-00	14,934	4,576	31	342	2	4,234-	28-
99-01	12,820	444	3		0	444-	3 –
00-02	14,816	4,114	28		0	4,114-	28-
01-03	6,990	5,146	74		0	5,146-	74-
02-04	7,964	11,444	144	523	7	10,922-	137-

ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL	D 0.00	SALVAGE		SALVAGE	D. G.E.
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	17,361	26,248	151	1,227	7	25,022-	144-
04-06	19,819	29,006	146	1,227	6	27,779-	140-
05-07	25,587	28,608	112	955	4	27,653-	108-
06-08	25,779	14,985	58	800	3	14,185-	55-
07-09	27,662	15,475	56	945	3	14,530-	53-
08-10	21,495	12,044	56	694	3	11,351-	53-
09-11	17,552	10,850	62	145	1	10,705-	61-
10-12	29,460	12,076	41	62	0	12,013-	41-
11-13	29,030	20,185	70	231	1	19,954-	69-
12-14	65,022	26,625	41	673	1	25,952-	40-
13-15	37,202	21,860	59	611	2	21,249-	57-
14-16	42,087	24,878	59	1,970	5	22,908-	54-
15-17	6,000	20,830	347	1,528	25	19,302-	322-
FIVE-YEA	R AVERAGE						
13-17	32,402	25,109	77	1,283	4	23,826-	74-



ACCOUNT 368 LINE TRANSFORMERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL	D OFF	SALVAGE	D 07	SALVAGE	D CIT
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	185,393	88,465	48	46,579	25	41,886-	23-
1993	57,688	336,932	584	8,398	15	328,534-	570-
1994	204,145	83,949-	- 41-	2,367	1	86,316	42
1995	88,277	88,552	100	1,163	1	87,388-	99-
1996	64,656	43,515	67	1,888	3	41,627-	64-
1997	46,746	49,662	106	1,163	2	48,498-	104-
1998	46,217	50,104	108	2,740	6	47,363-	102-
1999		5,358		1,501-		6,859-	
2000	339,459	4,198	1	19,490-	6-	23,689-	7 –
2001	277,044	4,188	2	2,651-	1-	6,839-	2-
2002	137,552	92,568	67	8,336	6	84,231-	61-
2003	231,199	105,958	46	19,347	8	86,611-	37-
2004	140,495	156,110	111	88,197	63	67,913-	48-
2005	289,508	152,723	53	50,528	17	102,195-	35-
2006	195,321	178,162	91	56,556	29	121,606-	62-
2007	242,812	149,286	61	26,445	11	122,842-	51-
2008	313,313	197,323	63	40,276	13	157,047-	50-
2009	245,309	144,060	59	28,647	12	115,413-	47-
2010	187,307	113,173	60	7,707	4	105,466-	56-
2011	222,552	164,095	74	1,610	1	162,485-	73-
2012	215,331	115,068	53	25,393	12	89,675-	42-
2013	270,212	208,174	77	58,825	22	149,349-	55-
2014	311,573	146,438	47	42,277	14	104,161-	33-
2015	249,399	121,623	49	5,489	2	116,135-	47-
2016	255,764	110,041	43	15,846	6	94,196-	37-
2017	236,728	99,956	42	7,355	3	92,601-	39-
TOTAL	5,054,003	2,841,785	56	523,493	10	2,318,292-	46-
THREE-YE	AR MOVING AVERAG	ES					
92-94	149,075	113,816	76	19,115	13	94,701-	64-
93-95	116,703	113,845	98	3,976	3	109,869-	94-
94-96	119,026	16,039	13	1,806	2	14,233-	12-
95-97	66,560	60,576	91	1,405	2	59,171-	89-
96-98	52,540	47,760	91	1,931	4	45,830-	87-
97-99	30,988	35,041	113	801	3	34,240-	110-
98-00	128,559	19,887	15	6,084-	5 –	25,970-	20-
99-01	205,501	4,581	2	7,881-	4-	12,462-	6 –
00-02	251,352	33,651	13	4,602-	2-	38,253-	15-
01-03	215,265	67,571	31	8,344	4	59,227-	28-
02-04	169,749	118,212	70	38,627	23	79,585-	47-



ACCOUNT 368 LINE TRANSFORMERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	220,401	138,264	63	52,691	24	85,573-	39-
04-06	208,442	162,332	78	65,094	31	97,238-	47-
05-07	242,547	160,057	66	44,510	18	115,548-	48-
06-08	250,482	174,924	70	41,092	16	133,832-	53-
07-09	267,145	163,557	61	31,789	12	131,767-	49-
08-10	248,643	151,519	61	25,544	10	125,975-	51-
09-11	218,390	140,443	64	12,655	6	127,788-	59-
10-12	208,397	130,779	63	11,570	6	119,209-	57-
11-13	236,032	162,445	69	28,609	12	133,836-	57-
12-14	265,705	156,560	59	42,165	16	114,395-	43-
13-15	277,061	158,745	57	35,530	13	123,215-	44-
14-16	272,246	126,034	46	21,204	8	104,831-	39-
15-17	247,297	110,540	45	9,563	4	100,977-	41-
FIVE-YEA	R AVERAGE						
13-17	264,735	137,247	52	25,958	10	111,288-	42-



ACCOUNT 369.1 OVERHEAD SERVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2000	50,543	618	1		0	618-	1-
2001	3,000		0		0		0
2002	117	1,792		14	12	1,778-	
2003	1,443	3,745	260	4	0	3,741-	259-
2004	1,907	1,815	95	529	28	1,285-	67-
2005	123	1,031	838	2	1	1,029-	837-
2006	11,354	4,264	38	3	0	4,261-	38-
2007	2,219	6,581	297	1,298	58	5,283-	238-
2008	25,681	11,210	44	575	2	10,635-	41-
2009	14,554	15,319	105	1,803	12	13,516-	93-
2010	21,708	8,174	38	1,142	5	7,032-	32-
2011	19,187	11,878	62	541	3	11,337-	59-
2012	16,369	11,419	70	704	4	10,716-	65-
2013	11,997	8,565	71	946	8	7,619-	64-
2014	13,713	12,701	93	1,075	8	11,626-	85-
2015	13,620	9,099	67	2,169	16	6,930-	51-
2016	10,419	11,531	111	2,466	24	9,065-	87-
2017	11,236	5,916	53	1,053	9	4,863-	43-
TOTAL	229,188	125,657	55	14,323	6	111,334-	49-
THREE-YEA	AR MOVING AVERAG	ES					
00-02	17,887	803	4	5	0	798-	4 –
01-03	1,520	1,846	121	6	0	1,840-	121-
02-04	1,156	2,450	212	182	16	2,268-	196-
03-05	1,158	2,197	190	178	15	2,019-	174-
04-06	4,461	2,370	53	178	4	2,192-	49-
05-07	4,565	3,959	87	434	10	3,524-	77-
06-08	13,084	7,352	56	625	5	6,726-	51-
07-09	14,151	11,037	78	1,225	9	9,811-	69-
08-10	20,647	11,568	56	1,173	6	10,394-	50-
09-11	18,483	11,790	64	1,162	6	10,628-	58-
10-12	19,088	10,490	55	796	4	9,695-	51-
11-13	15,851	10,621	67	730	5	9,891-	62-
12-14	14,026	10,895	78	908	6	9,987-	71-
13-15	13,110	10,121	77	1,396	11	8,725-	67-



ACCOUNT 369.1 OVERHEAD SERVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
			101	11100111	101	11100111	101
IHKEE-1E	AR MOVING AVERAGES						
14-16	12,584	11,110	88	1,903	15	9,207-	73-
15-17	11,758	8,849	75	1,896	16	6,953-	59-
F.TAF-AFY	R AVERAGE						
13-17	12,197	9,562	78	1,542	13	8,021-	66-



ACCOUNT 369.2 UNDERGROUND SERVICES

REGULAR	COST OF REMOVAL				NET SALVAGE	
RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
24,310	327	1		0	327-	1-
1,784		0		0		0
1,830	2,073	113		0	2,073-	113-
6,525	3,830	59	738	11	3,092-	47-
2,797	7,320	262	86	3	7,234-	259-
3,989	4,361	109	24	1	4,337-	109-
7,066	5,546	78		0	5,546-	78-
4,339	3,676	85	178	4	3,498-	81-
17,780	6,105	34		0	6,105-	34-
16,083	14,656	91	705	4	13,952-	87-
8,215	8,197	100	59	1	8,138-	99-
6,905	9,215	133		0	9,215-	133-
19,065	10,746	56	7,933	42	2,812-	15-
7,756	5,535	71		0	5,535-	71-
8,092	5,875	73	2,894	36	2,981-	37-
8,715	4,613	53		0	4,613-	53-
12,378	7,859	63	660	5	7,199-	58-
10,816	3,447	32	42	0	3,405-	31-
168,444	103,381	61	13,319	8	90,062-	53-
AR MOVING AVERAG	ES					
9,308	800	9		0	800-	9 –
3,380	1,967	58	246	7	1,722-	51-
3,717	4,408	119	275	7	4,133-	111-
4,437	5,170	117	283	6	4,888-	110-
4,617	5,743	124	37	1	5,706-	124-
5,131	4,528	88	67	1	4,460-	87-
9,728	5,109	53	59	1	5,050-	52-
12,734	8,146	64	294	2	7,852-	62-
14,026	9,653	69	255	2	9,398-	67-
10,401	10,690	103	255	2	10,435-	100-
11,395	9,386	82	2,664	23	6,722-	59-
11,242	8,498	76	2,644	24	5,854-	52-
11,638	7,385	63	3,609	31	3,776-	32-
8,188	5,341	65	965	12	4,376-	53-
	RETIREMENTS 24,310 1,784 1,830 6,525 2,797 3,989 7,066 4,339 17,780 16,083 8,215 6,905 19,065 7,756 8,092 8,715 12,378 10,816 168,444 AR MOVING AVERAGE 9,308 3,380 3,717 4,437 4,617 5,131 9,728 12,734 14,026 10,401 11,395 11,242 11,638	REGULAR REMOVAL AMOUNT 24,310 327 1,784 1,830 2,073 6,525 3,830 2,797 7,320 3,989 4,361 7,066 5,546 4,339 3,676 17,780 6,105 16,083 14,656 8,215 8,197 6,905 9,215 19,065 10,746 7,756 5,535 8,092 5,875 8,715 4,613 12,378 7,859 10,816 3,447 168,444 103,381 AR MOVING AVERAGES 9,308 800 3,380 1,967 3,717 4,408 4,437 5,170 4,617 5,743 5,131 4,528 9,728 5,109 12,734 8,146 14,026 9,653 10,401 10,690 11,395 9,386 11,242 8,498 11,638 7,385	REGULAR REMOVAL RETIREMENTS AMOUNT PCT 24,310 327 1 1,784 0 1,830 2,073 113 6,525 3,830 59 2,797 7,320 262 3,989 4,361 109 7,066 5,546 78 4,339 3,676 85 17,780 6,105 34 16,083 14,656 91 8,215 8,197 100 6,905 9,215 133 19,065 10,746 56 7,756 5,535 71 8,092 5,875 73 8,715 4,613 53 12,378 7,859 63 10,816 3,447 32 168,444 103,381 61 ARR MOVING AVERAGES 9,308 800 9 3,380 1,967 58 3,717 4,408 119 4,437 5,170 117 4,617 5,743 124 5,131 4,528 88 9,728 5,109 53 12,734 8,146 64 14,026 9,653 69 10,401 10,690 103 11,395 9,386 82 11,242 8,498 76 11,638 7,385 63	REGULAR REMOVAL AMOUNT PCT AMOUNT 24,310 327 1 1,784 0 1,830 2,073 113 6,525 3,830 59 738 2,797 7,320 262 86 3,989 4,361 109 24 7,066 5,546 78 4,339 3,676 85 178 17,780 6,105 34 16,083 14,656 91 705 8,215 8,197 100 59 6,905 9,215 133 19,065 10,746 56 7,933 7,756 5,535 71 8,092 5,875 73 2,894 8,715 4,613 53 12,378 7,859 63 660 10,816 3,447 32 42 168,444 103,381 61 13,319 AR MOVING AVERAGES 9,308 800 9 3,380 1,967 58 246 3,717 4,408 119 275 4,437 5,170 117 283 4,617 5,743 124 37 5,131 4,528 88 67 9,728 5,109 53 59 12,734 8,146 64 294 14,026 9,653 69 255 10,401 10,690 103 255 11,395 9,386 82 2,664 11,242 8,498 76 2,644 11,038 7,385 63 3,609	REGULAR REMOVAL AMOUNT PCT AMOUNT PCT 24,310 327 1 0 0 1,784 0 0 0 1,830 2,073 113 0 6,525 3,830 59 738 11 2,797 7,320 262 866 3 3,989 4,361 109 24 1 7,066 5,546 78 0 4,339 3,676 85 178 4 17,780 6,105 34 0 16,083 14,656 91 705 4 8,215 8,197 100 59 1 6,905 9,215 133 0 19,065 10,746 56 7,933 42 7,756 5,535 71 0 8,092 5,875 73 2,894 36 8,715 4,613 53 0 12,378 7,859 63 660 5 10,816 3,447 32 42 0 ARR MOVING AVERAGES 9,308 800 9 0 3,380 1,967 58 246 7 3,717 4,408 119 275 7 4,437 5,170 117 283 6 4,617 5,743 124 37 1 5,131 4,528 88 67 1 9,728 5,109 53 59 1 12,734 8,146 64 294 2 14,026 9,653 69 255 2 10,401 10,690 103 255 2 11,395 9,386 82 2,664 23 11,242 8,498 76 2,644 24 11,638 7,385 63 3,609 31	REGULAR RETIREMENTS AMOUNT PCT AMOUNT PCT AMOUNT 24,310 327 1 0 0 327- 1,784 0 0 0 0 1,830 2,073 113 0 0 2,073- 6,525 3,830 59 738 11 3,092- 2,797 7,320 262 86 3 7,234- 3,989 4,361 109 244 1 4,337- 7,066 5,546 78 0 5,546- 4,339 3,676 85 178 4 3,498- 17,780 6,105 34 0 6,105- 16,083 14,656 91 705 4 13,952- 8,215 8,197 100 59 1 8,138- 6,905 9,215 133 0 9,215- 19,065 10,746 56 7,933 42 2,812- 19,065 10,746 56 7,933 42 2,812- 19,065 10,746 56 7,933 42 2,812- 19,065 10,746 56 7,933 42 2,812- 19,065 10,746 56 67,933 42 2,812- 19,065 10,746 56 7,933 42 3,891- 11,378 7,859 63 660 5 7,199- 10,816 3,447 32 42 0 3,405- AR MOVING AVERAGES AR MOVING



ACCOUNT 369.2 UNDERGROUND SERVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	9,728	6,116	63	1,185	12	4,931-	51-
15-17	10,637	5,306	50	234	2	5,072-	48-
FIVE-YEA	R AVERAGE						
13-17	9,551	5,466	57	719	8	4,747-	50-



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	13,699	10,963	80	1,787	13	9,176-	67-
1993	12,656	20,514	162	608	5	19,906-	
1994	5,345	3,276	61	94	2	3,182-	60-
1995	2,535	3,834	151	39	2	3,795-	150-
1996	344	432	126	24	7	408-	119-
1997	320	175	55	4	1	171-	54-
1998	214	102	48	6	3	96-	45-
1999							
2000	7,646	2,845	37		0	2,845-	37-
2001	3,240	581	18		0	581-	18-
2002	1,383	503	36		0	503-	36-
2003	1,962	405	21		0	405-	21-
2004	671	2,048	305		0	2,048-	305-
2005	1,258	2,396	190		0	2,396-	190-
2006	964	859	89		0	859-	89-
2007	1,826	1,271	70		0	1,271-	70-
2008	1,089	972	89		0	972-	89-
2009	399	854	214	254	64	600-	150-
2010	579	1,625	280		0	1,625-	280-
2011	1,034	2,094	203		0	2,094-	
2012	576	986	171		0	986-	171-
2013	294	790	269		0	790-	269-
2014	316	316	100		0	316-	100-
2015	799	295	37		0	295-	37-
2016	1,952	1,590	81		0	1,590-	81-
2017	3,044	3,444	113		0	3,444-	113-
TOTAL	64,145	63,168	98	2,815	4	60,353-	94-
THREE-YE.	AR MOVING AVERAG	ES					
92-94	10,567	11,584	110	830	8	10,755-	102-
93-95	6,845	9,208	135	247	4	8,961-	
94-96	2,741	2,514	92	52	2	2,462-	90-
95-97	1,066	1,480	139	22	2	1,458-	
96-98	292	236	81	11	4	225-	77-
97-99	178	92	52	3	2	89-	50-
98-00	2,620	982	37	2	0	980-	37-
99-01	3,629	1,142	31		0	1,142-	31-
00-02	4,090	1,310	32		0	1,310-	32-
01-03	2,195	497	23		0	497-	23-
02-04	1,338	985	74		0	985-	74-

ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE]	NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES						
03-05	1,297	1,616	125		0	1,616-	125-
04-06	964	1,768	183		0	1,768-	183-
05-07	1,349	1,509	112		0	1,509-	112-
06-08	1,293	1,034	80		0	1,034-	80-
07-09	1,105	1,032	93	85	8	948-	86-
08-10	689	1,150	167	85	12	1,065-	155-
09-11	671	1,524	227	85	13	1,440-	215-
10-12	730	1,568	215		0	1,568-	215-
11-13	635	1,290	203		0	1,290-	203-
12-14	395	697	176		0	697-	176-
13-15	470	467	99		0	467-	99-
14-16	1,022	734	72		0	734-	72-
15-17	1,932	1,776	92		0	1,776-	92-
FIVE-YEA	R AVERAGE						
13-17	1,281	1,287	100		0	1,287-	100-



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	88-	1,820		674	767-	1,146-	
1993	14,079	1,301	9	38	0	1,263-	9 –
1994	147	41	28	9	6	32-	
1995	1,681	3,045	181	42	2	3,004-	
1996	938	1,005	107	42	4		103-
1997	3,791	4,024	106	68	2	3,956-	
1998	2,198	3,540		73	3	3,467-	
1999							
2000	9,378	4,260	45		0	4,260-	45-
2001	1,699	275	16		0	275-	16-
2002	3,136	1,259	40		0	1,259-	40-
2003	2,280	3,539	155		0	3,539-	155-
2004	4,824	3,989	83		0	3,989-	83-
2005	921	56	6		0	56-	6 –
2006	1,723	11,043	641	1,833	106	9,210-	535-
2007	24,004	1,891	8	59	0	1,832-	8 –
2008	4,941	1,837	37		0	1,837-	37-
2009	1,162	1,557	134	99	8	1,458-	125-
2010	364	914	251		0	914-	251-
2011	599	1,142	191		0	1,142-	191-
2012	4,983	1,028	21		0	1,028-	21-
2013	8,389	3,995	48		0	3,995-	48-
2014	7,728	3,013	39		0	3,013-	39-
2015	5,623	1,682	30		0	1,682-	30-
2016	7,316	4,913	67		0	4,913-	67-
2017	3,974	2,036	51		0	2,036-	51-
TOTAL	115,791	63,203	55	2,936	3	60,268-	52-
THREE-YE	AR MOVING AVERAGE	ls					
92-94	4,713	1,054	22	240	5	813-	17-
93-95	5,303	1,462	28	30	1	1,433-	
94-96	922	1,364	148	31	3	1,333-	
95-97	2,137		126	50	2	2,641-	
96-98	2,309	2,856	124	61	3	2,795-	
97-99	1,996	2,521	126	47	2	2,474-	
98-00	3,859	2,600	67	24	1	2,576-	67-
99-01	3,692	1,512	41		0	1,512-	41-
00-02	4,738	1,931	41		0	1,931-	41-
01-03	2,372	1,691	71		0	1,691-	71-
02-04	3,413	2,929	86		0	2,929-	86-

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	2,675	2,528	94		0	2,528-	94-
04-06	2,489	5,029	202	611	25	4,418-	177-
05-07	8,883	4,330	49	631	7	3,700-	42-
06-08	10,222	4,924	48	631	6	4,293-	42-
07-09	10,036	1,762	18	52	1	1,709-	17-
08-10	2,156	1,436	67	33	2	1,403-	65-
09-11	709	1,204	170	33	5	1,171-	165-
10-12	1,982	1,028	52		0	1,028-	52-
11-13	4,657	2,055	44		0	2,055-	44-
12-14	7,033	2,678	38		0	2,678-	38-
13-15	7,247	2,896	40		0	2,896-	40-
14-16	6,889	3,202	46		0	3,202-	46-
15-17	5,638	2,877	51		0	2,877-	51-
FIVE-YEA	R AVERAGE						
13-17	6,606	3,128	47		0	3,128-	47-



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1997	6,110	491	8		0	491-	8-
1998							
1999							
2000							
2001							
2002							
2003	18,136		0		0		0
2004	15,998	3,831	24		0	3,831-	24-
2005		51,923				51,923-	
2006	12,614	1,512	12		0	1,512-	12-
2007							
2008	7,058	8,000	113	4,850	69	3,150-	45-
2009	19,253	380	2		0	380-	2-
2010	4,187	3,077	73		0	3,077-	73-
2011	1,041	110	11		0	110-	11-
2012	22,376	621	3		0	621-	3 –
2013	83,396	26,844	32		0	26,844-	32-
2014	7,882	7,191	91		0	7,191-	91-
2015	11,640	728	6		0	728-	6-
2016	2,067	323	16		0	323-	16-
2017	9,189	2,618	28		0	2,618-	28-
TOTAL	220,947	107,649	49	4,850	2	102,799-	47-
THREE-YE	AR MOVING AVERAG	ES					
97-99	2,037	164	8		0	164-	8 –
98-00							
99-01							
00-02							
01-03	6,045		0		0		0
02-04	11,378	1,277	11		0	1,277-	11-
03-05	11,378	18,585	163		0	18,585-	163-
04-06	9,538	19,089	200		0	19,089-	200-
05-07	4,205	17,812	424		0	17,812-	424-
06-08	6,557	3,171	48	1,617	25	1,554-	24-
07-09	8,770	2,793	32	1,617	18	1,177-	13-
08-10	10,166	3,819	38	1,617	16	2,202-	22-
09-11	8,160	1,189	15		0	1,189-	15-
10-12	9,201	1,269	14		0	1,269-	14-
11-13	35,604	9,191	26		0	9,191-	26-
12-14	37,884	11,552	30		0	11,552-	30-

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS	NET	
	REGULAR	REMOVAL		SALVAGE	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES					
13-15	34,306	11,588	34	0	11,588-	34-
14-16	7,196	2,748	38	0	2,748-	38-
15-17	7,632	1,223	16	0	1,223-	16-
FIVE-YEA	R AVERAGE					
13-17	22,835	7,541	33	0	7,541-	33-



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1999	588		0	63	11	63	11
2000				3,100		3,100	
2001	33,933		0	3,859	11	3,859	11
2002	21,790		0	10,668	49	10,668	49
2003	18,560		0		0		0
2004	65,094		0	8,856	14	8,856	14
2005	24,170		0	8,042	33	8,042	33
2006	12,990		0	482	4	482	4
2007	19,035		0	3,871	20	3,871	20
2008				40		40	
2009	70,598		0	4,213	6	4,213	6
2010	14,230		0	1,150	8	1,150	8
2011				663-		663-	
2012	30,411		0	230-	1-	230-	1-
2013	112,622		0	9,333	8	9,333	8
2014							
2015	25,863		0	1,392	5	1,392	5
2016							
2017							
TOTAL	449,884		0	54,174	12	54,174	12
THREE-YEA	R MOVING AVERAGE	S					
99-01	11,507		0	2,341	20	2,341	20
00-02	18,574		0	5,876	32	5,876	32
01-03	24,761		0	4,842	20	4,842	20
02-04	35,148		0	6,508	19	6,508	19
03-05	35,941		0	5,633	16	5,633	16
04-06	34,084		0	5,793	17	5,793	17
05-07	18,732		0	4,131	22	4,131	22
06-08	10,675		0	1,464	14	1,464	14
07-09	29,878		0	2,708	9	2,708	9
08-10	28,276		0	1,801	6	1,801	6
09-11	28,276		0	1,567	6	1,567	6
10-12	14,881		0	85	1	85	1
11-13	47,678		0	2,813	6	2,813	6
12-14	47,678		0	3,034	6	3,034	6
13-15	46,162		0	3,575	8	3,575	8



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

		COST O	F	GROSS		NET	
	REGULAR	REMOVA:	L	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	CAR MOVING AVERAGES						
14-16	8,621		0	464	5	464	5
15-17	8,621		0	464	5	464	5
FIVE-YEA	AR AVERAGE						
13-17	27,697		0	2,145	8	2,145	8



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT I	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
		AMOUNT					
1999	16,832		0	1,804	11	1,804	11
2000							
2001	30,181		0	3,432	11	3,432	11
2002	24,347		0	4,717	19	4,717	19
2003	64 404		0	378	0	378	
2004	64,494		0	5,937	9	5,937	9
2005				3,147		3,147	
2006	26 750		0	2 170	10	2 170	10
2007	26,759		0	3,178	12	3,178	12
2008 2009							
				45-		45-	
2010 2011				169-		169-	
2011				274-		274-	
2012	51,502		0	1,150	2	1,150	2
2013	31,302		O	256-	2	256-	۷
2011				250		250	
2015							
2017							
201,							
TOTAL	214,114		0	22,999	11	22,999	11
THREE-YE	AR MOVING AVERAG	SES					
99-01	15,671		0	1,745	11	1,745	11
00-02	18,176		0	2,716	15	2,716	15
01-03	18,176		0	2,842	16	2,842	16
02-04	29,614		0	3,677	12	3,677	12
03-05	21,498		0	3,154	15	3,154	15
04-06	21,498		0	3,028	14	3,028	14
05-07	8,920		0	2,108	24	2,108	24
06-08	8,920		0	1,059	12	1,059	12
07-09	8,920		0	1,059	12	1,059	12
08-10				15-		15-	
09-11				71-		71-	
10-12				163-		163-	
11-13	17,167		0	236	1	236	1
12-14	17,167		0	207	1	207	1
13-15	17,167		0	298	2	298	2



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

		COST OF	₹	GROSS		NET	
	REGULAR	REMOVAI	Ĺ	SALVAGE]	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	EAR MOVING AVERAGE	S					
14-16 15-17				85-	-	85-	
13 17							
FIVE-YEA	AR AVERAGE						
13-17	10,300		0	179	2	179	2



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1999	7,408	0		0		0
2000	7,400	O		U		O
2001	2,634	0		0		0
2002	2,001	· ·	954	Ü	954	· ·
2003	18,988	0		0		0
2004	- ,					
2005						
2006	818	0	530	65	530	65
2007						
2008	2,840	0	1,938	68	1,938	68
2009						
2010	14,402	0	3,015	21	3,015	21
2011						
2012			3,372-		3,372-	
2013	20,701	0	1,775	9	1,775	9
2014	723	0	225	31	225	31
2015						
2016						
2017						
TOTAL	68,514	0	5,064	7	5,064	7
THREE-YE	AR MOVING AVERAG	ES				
99-01	3,347	0		0		0
00-02	878	0	318	36	318	36
01-03	7,207	0	318	4	318	4
02-04	6,329	0	318	5	318	5
03-05	6,329	0		0		0
04-06	273	0	177	65	177	65
05-07	273	0	177	65	177	65
06-08	1,219	0	822	67	822	67
07-09	947	0	646	68	646	68
08-10	5,747	0	1,651	29	1,651	29
09-11	4,801	0	1,005	21	1,005	21
10-12	4,801	0	119-	2-	119-	2-
11-13	6,900	0	532-	8 –	532-	8-
12-14	7,141	0	457-	6-	457-	6-
13-15	7,141	0	667	9	667	9



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	241		0	75	31	75	31
15-17							
FIVE-YEA	R AVERAGE						
13-17	4,285		0	400	9	400	9



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS		PCT	AMOUNT	PCT	AMOUNT	PCT
2000	50,143		0	11,019	22	11,019	22
2001	100,745		0	34,370	34	34,370	34
2002	98,967		0	15,431	16	15,431	16
2003	181,192		0	9,150	5	9,150	5
2004				4,764		4,764	
2005							
2006							
2007							
2008	169,722		0	21,834	13	21,834	13
2009	268,233		0	27,516	10	27,516	10
2010				299-		299-	
2011	81,169		0	6,571	8	6,571	8
2012	79,032		0	7,878	10	7,878	10
2013							
2014							
2015				60-		60-	
2016							
2017							
TOTAL	1,029,205		0	138,173	13	138,173	13
THREE-YE	CAR MOVING AVERAG	GES					
00-02	83,285		0	20,273	24	20,273	24
01-03	126,968		0	19,650	15	19,650	15
02-04	93,387		0	9,782	10	9,782	10
03-05	60,397		0	4,638	8	4,638	8
04-06				1,588		1,588	
05-07							
06-08	56,574		0	7,278	13	7,278	13
07-09	145,985		0	16,450	11	16,450	11
08-10	145,985		0	16,350	11	16,350	11
09-11	116,467		0	11,263	10	11,263	10
10-12	53,401		0	4,717	9	4,717	9
11-13	53,401		0	4,816	9	4,816	9
12-14	26,344		0	2,626	10	2,626	10
13-15				20-		20-	



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16				20-		20-	
15-17				20-		20-	
FIVE-YEA	R AVERAGE						
13-17				12-		12-	



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1997	64,600	0	9,691	15	9,691	15
1998						
1999	132,631	0	42,635	32	42,635	32
2000	69,603	0	15,295	22	15,295	22
2001	0.64		0.5.4.0.0		0.5.4.00	
2002	261,707	0	26,120	10	26,120	10
2003	1,167	0	10.000	0	10 000	0
2004	143,252	0	18,978	13	18,978	13
2005			00.00		00.00	
2006	209,187	0	29,684	14	29,684	14
2007	498,220	0	45,468	9	45,468	9
2008	326,219	0	21,676	7	21,676	7
2009	79,508	0	27,828	35	27,828	35
2010	135,143	0	19,275	14	19,275	14
2011	000 757	•	18,751	0.0	18,751	0.0
2012	239,757	0	52,604	22	52,604	22
2013			3,548-		3,548-	
2014						
2015						
2016						
2017						
TOTAL	2,160,994	0	324,456	15	324,456	15
THREE-YE	AR MOVING AVERAGE	ES				
97-99	65,744	0	17,442	27	17,442	27
98-00	67,411	0	19,310	29	19,310	29
99-01	67,411	0	19,310	29	19,310	29
00-02	110,436	0	13,805	13	13,805	13
01-03	87,625	0	8,707	10	8,707	10
02-04	135,375	0	15,033	11	15,033	11
03-05	48,140	0	6,326	13	6,326	13
04-06	117,479	0	16,221	14	16,221	14
05-07	235,802	0	25,051	11	25,051	11
06-08	344,542	0	32,276	9	32,276	9
07-09	301,316	0	31,657	11	31,657	11
08-10	180,290	0	22,926	13	22,926	13
09-11	71,550	0	21,951	31	21,951	31
10-12	124,967	0	30,210	24	30,210	24
11-13	79,919	0	22,602	28	22,602	28
12-14	79,919	0	16,352	20	16,352	20



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

		COST O	F	GROSS		NET	
	REGULAR	REMOVA	L	SALVAG	E	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	EAR MOVING AVERAGE	ES					
13-15				1,183	_	1,183-	
14-16							
15-17							
FIVE-YE	AR AVERAGE						
13-17				710	_	710-	



UTAH PROPERTY



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	11,070	537	5	734-	7-	1,272-	11-
1993	8,482		0		0		0
1994	6,832		0		0		0
1995	4,472	942	21		0	942-	21-
1996							
1997	12,923	1,301	10		0	1,301-	10-
1998	14		0		0		0
1999							
2000	11,559		0		0		0
2001	45,060		0		0		0
2002	78,769	143	0		0	143-	0
2003	14,608		0		0		0
2004	23,954		0		0		0
2005	121,282		0		0		0
2006	21,495	2,389	11		0	2,389-	11-
2007	23,576	1,126	5		0	1,126-	5 –
2008	24,665	4,478	18		0	4,478-	18-
2009	32,987	1,570	5		0	1,570-	5 –
2010	553,664	2,198	0		0	2,198-	0
2011	79,024	6,676	8		0	6,676-	8 –
2012	59,008	62,427	106		0	62,427-	106-
2013	115,094	61,968	54		0	61,968-	54-
2014	241,892	14,520	6		0	14,520-	6 –
2015	5,243		0		0		0
2016	73,210	879	1	794	1	85-	0
2017	55,725	1,182	2		0	1,182-	2-
TOTAL	1,624,610	162,338	10	59	0	162,279-	10-
THREE-YE	AR MOVING AVERAG	ES					
92-94	8,795	179	2	245-	3 –	424-	5-
93-95	6,595	314	5		0	314-	5-
94-96	3,768	314	8		0	314-	8-
95-97	5,798	748	13		0	748-	13-
96-98	4,312	434	10		0	434-	10-
97-99	4,312	434	10		0	434-	10-
98-00	3,858		0		0		0
99-01	18,873		0		0		0
00-02	45,129	48	0		0	48-	0
01-03	46,146	48	0		0	48-	0
02-04	39,111	48	0		0	48-	0

ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

	D. T. G. T. T. D.	COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	53,282		0		0		0
04-06	55,577	796	1		0	796-	1-
05-07	55,451	1,172	2		0	1,172-	2-
06-08	23,245	2,665	11		0	2,665-	11-
07-09	27,076	2,392	9		0	2,392-	9 –
08-10	203,772	2,749	1		0	2,749-	1-
09-11	221,892	3,482	2		0	3,482-	2-
10-12	230,566	23,767	10		0	23,767-	10-
11-13	84,375	43,691	52		0	43,691-	52-
12-14	138,665	46,305	33		0	46,305-	33-
13-15	120,743	25,496	21		0	25,496-	21-
14-16	106,782	5,133	5	265	0	4,868-	5 –
15-17	44,726	687	2	265	1	422-	1-
FIVE-YEA	R AVERAGE						
13-17	98,233	15,710	16	159	0	15,551-	16-



ACCOUNT 362 STATION EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	597,182	85,106	14	6,880	1	78,227-	13-
1993	315,755	39,031	12	123-	0	39,153-	12-
1994	728,680	147,847	20	2,058	0	145,789-	20-
1995	997,397	128,918	13	9,078	1	119,839-	12-
1996	1,471,518	111,810	8	11,784	1	100,026-	7-
1997	744,750	100,409	13	84,109	11	16,300-	2-
1998	862,725	122,161	14	45,393	5	76,767-	9 –
1999	174,393	64,395	37	149,642	86	85,247	49
2000	1,826,194	112,232	6	241,784	13	129,552	7
2001	3,319,194	244,650	7	135,233	4	109,417-	3-
2002	3,330,348	504,557	15	154,112	5	350,445-	11-
2003	1,260,550	158,885	13		0	158,885-	13-
2004	4,025,497	549,525	14		0	549,525-	14-
2005	4,822,794	671,015	14		0	671,015-	14-
2006	1,709,907	445,948	26	20,800	1	425,148-	25-
2007	1,432,758	270,791	19		0	270,791-	19-
2008	1,320,331	516,389	39	54,040	4	462,349-	35-
2009	1,559,887	712,452	46		0	712,452-	46-
2010	2,260,836	941,708	42	4,726	0	936,982-	41-
2011	8,367,000	210,751	3	7,147	0	203,604-	2-
2012	1,777,664	523,559	29	507,271	29	16,288-	1-
2013	2,183,960	383,660	18	3,617	0	380,043-	17-
2014	3,478,569	693,635	20		0	693,635-	20-
2015	1,541,890	259,987	17	85	0	259,902-	17-
2016	1,486,108	271,873	18	53,687	4	218,186-	15-
2017	1,057,045	289,208	27	75,236	7	213,972-	20-
TOTAL	52,652,934	8,560,502	16	1,566,559	3	6,993,943-	13-
THREE-YE	AR MOVING AVERAG	ES					
92-94	547,206	90,661	17	2,938	1	87,723-	16-
93-95	680,611	105,265	15	3,671	1	101,594-	15-
94-96	1,065,865	129,525	12	7,640	1	121,885-	11-
95-97	1,071,222	113,712	11	34,990	3	78,722-	7-
96-98	1,026,331	111,460	11	47,095	5	64,365-	6-
97-99	593,956	95,655	16	93,048	16	2,607-	0
98-00	954,437	99,596	10	145,607	15	46,011	5
99-01	1,773,261	140,426	8	175,553	10	35,127	2
00-02	2,825,246	287,146	10	177,043	6	110,103-	4-
01-03	2,636,698	302,697	11	96,448	4	206,249-	8 –
02-04	2,872,132	404,322	14	51,371	2	352,951-	12-



ACCOUNT 362 STATION EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	S					
03-05	3,369,614	459,808	14		0	459,808-	14-
04-06	3,519,399	555,496	16	6,933	0	548,563-	16-
05-07	2,655,153	462,585	17	6,933	0	455,651-	17-
06-08	1,487,665	411,043	28	24,947	2	386,096-	26-
07-09	1,437,659	499,877	35	18,013	1	481,864-	34-
08-10	1,713,684	723,516	42	19,589	1	703,928-	41-
09-11	4,062,574	621,637	15	3,958	0	617,679-	15-
10-12	4,135,167	558,673	14	173,048	4	385,625-	9 –
11-13	4,109,541	372,657	9	172,678	4	199,978-	5-
12-14	2,480,064	533,618	22	170,296	7	363,322-	15-
13-15	2,401,473	445,761	19	1,234	0	444,527-	19-
14-16	2,168,856	408,498	19	17,924	1	390,574-	18-
15-17	1,361,681	273,689	20	43,003	3	230,687-	17-
FIVE-YEA	R AVERAGE						
13-17	1,949,514	379,673	19	26,525	1	353,148-	18-



ACCOUNT 364 POLES, TOWERS AND FIXTURES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	885,960	2,766,490	312	73,610	8	2,692,881-	304-
1993	788,218	2,747,202	349	83,878	11	2,663,324-	338-
1994	561,146	5,086,170	906	67,882	12	5,018,288-	894-
1995	1,498,330	3,824,345	255	67,798	5	3,756,546-	251-
1996	1,849,468	3,176,913	172	101,178	5	3,075,735-	166-
1997	1,667,623	2,133,298	128	122,347	7	2,010,951-	121-
1998	2,634,092	1,929,197	73	97,990	4	1,831,207-	70-
1999		1,724,912		40,383		1,684,529-	
2000	3,821,821	2,935,151	77	78,896	2	2,856,255-	75-
2001	2,876,988	3,107,386	108	91,080	3	3,016,306-	105-
2002	2,208,602	2,382,926	108	64,407	3	2,318,519-	105-
2003	2,763,199	3,672,433	133	722,114	26	2,950,320-	107-
2004	2,795,102	2,048,139	73	588,867	21	1,459,272-	52-
2005	2,571,361	3,524,072	137	647,648	25	2,876,424-	112-
2006	2,287,800	2,882,292	126	411,257	18	2,471,035-	108-
2007	2,781,029	5,406,257	194	837,245	30	4,569,012-	164-
2008	2,926,191	4,631,127	158	699,876	24	3,931,251-	134-
2009	2,620,732	3,511,211	134	714,257	27	2,796,954-	107-
2010	2,263,911	2,560,832	113	1,285,648	57	1,275,184-	56-
2011	2,428,345	3,465,366	143	875,710	36	2,589,655-	107-
2012	1,809,221	2,216,093	122	489,443	27	1,726,650-	95-
2013	1,410,879	1,975,286	140	408,905	29	1,566,381-	111-
2014	2,038,260	2,097,036	103	523,558	26	1,573,478-	77-
2015	2,152,478	2,911,825	135	531,997	25	2,379,828-	111-
2016	2,651,187	2,369,085	89	584,490	22	1,784,595-	67-
2017	2,495,583	2,547,504	102	825,316	33	1,722,187-	69-
TOTAL	54,787,525	77,632,549	142	11,035,781	20	66,596,768-	122-
THREE-YE	AR MOVING AVERA	GES					
92-94	745,108	3,533,288	474	75,123	10	3,458,164-	464-
93-95	949,231	3,885,906	409	73,186	8	3,812,720-	402-
94-96	1,302,981	4,029,143	309	78,953	6	3,950,190-	
95-97	1,671,807	3,044,852	182	97,108	6	2,947,744-	176-
96-98	2,050,394	2,413,136	118	107,172	5	2,305,964-	
97-99	1,433,905	1,929,136	135	86,907	6	1,842,229-	
98-00	2,151,971	2,196,420	102	72,423	3	2,123,997-	99-
99-01	2,232,936	2,589,150	116	70,120	3	2,519,030-	
00-02	2,969,137	2,808,488	95	78,128	3	2,730,360-	92-
01-03	2,616,263	3,054,249	117	292,534	11	2,761,715-	
02-04	2,588,968	2,701,166	104	458,463	18	2,242,704-	87-



ACCOUNT 364 POLES, TOWERS AND FIXTURES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	5					
03-05	2,709,888	3,081,548	114	652,876	24	2,428,672-	90-
04-06	2,551,421	2,818,168	110	549,257	22	2,268,910-	89-
05-07	2,546,730	3,937,541	155	632,050	25	3,305,490-	130-
06-08	2,665,007	4,306,559	162	649,460	24	3,657,099-	137-
07-09	2,775,984	4,516,198	163	750,460	27	3,765,739-	136-
08-10	2,603,611	3,567,723	137	899,927	35	2,667,796-	102-
09-11	2,437,663	3,179,136	130	958,539	39	2,220,598-	91-
10-12	2,167,159	2,747,430	127	883,601	41	1,863,830-	86-
11-13	1,882,815	2,552,248	136	591,353	31	1,960,895-	104-
12-14	1,752,786	2,096,138	120	473,969	27	1,622,170-	93-
13-15	1,867,206	2,328,049	125	488,153	26	1,839,896-	99-
14-16	2,280,642	2,459,315	108	546,682	24	1,912,634-	84-
15-17	2,433,083	2,609,471	107	647,268	27	1,962,203-	81-
FIVE-YEA	R AVERAGE						
13-17	2,149,677	2,380,147	111	574,853	27	1,805,294-	84-



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	466,407	1,015,340	218	142,278	31	873,062-	187-
1993	545,115	950,991	174	210,797	39	740,194-	136-
1994	310,799	1,560,460	502	75,905	24	1,484,555-	478-
1995	563,646	1,238,448	220	42,961	8	1,195,487-	212-
1996	1,508,147	1,546,612	103	87,934	6	1,458,678-	97-
1997	1,084,478	1,146,625	106	73,341	7	1,073,284-	99-
1998	1,852,357	1,135,322	61	64,426	3	1,070,896-	58-
1999		574,971		81,990		492,980-	
2000	7,666,983	428,447	6	164,987	2	263,460-	3 –
2001	1,116,756	384,318	34	153,044	14	231,274-	21-
2002							
2003							
2004							
2005	430,985	408,800	95	370,329	86	38,471-	9 –
2006	906,255	1,141,451	126	244,959	27	896,492-	99-
2007	1,669,092	2,074,272	124	457,530	27	1,616,742-	97-
2008	2,128,452	1,633,784	77	149,934	7	1,483,850-	70-
2009							
2010							
2011							
2012	1,198,677	990,647	83	236,530	20	754,117-	63-
2013	753,863	627,363	83	232,859	31	394,504-	52-
2014	1,260,347	516,287	41	354,071	28	162,216-	13-
2015	415,835	433,045	104	22,044	5	411,001-	99-
2016							
2017							
TOTAL	23,878,194	17,807,181	75	3,165,918	13	14,641,263-	61-
THREE-YE	AR MOVING AVERAG	GES					
92-94	440,774	1,175,597	267	142,993	32	1,032,604-	234_
93-95	473,187	1,249,966	264	109,888	23	1,140,079-	
94-96	794,197	1,448,507	182	68,933	9	1,379,573-	
95-97	1,052,090	1,310,562	125	68,079	6	1,242,483-	
96-98	1,481,661	1,276,186	86	75,234	5	1,200,952-	81-
97-99	978,945	952,306	97	73,252	7	879,053-	90-
98-00	3,173,113	712,913	22	103,801	3	609,112-	19-
99-01	2,927,913	462,579	16	133,341	5	329,238-	11-
00-02	2,927,913	270,922	9	106,010	4	164,911-	6-
01-03	372,252	128,106	34	51,015	14	77,091-	21-
02-04	,		J =	3=,3=3		, 5 2 1	



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	S					
03-05	143,662	136,267	95	123,443	86	12,824-	9 –
04-06	445,747	516,750	116	205,096	46	311,654-	70-
05-07	1,002,111	1,208,174	121	357,606	36	850,569-	85-
06-08	1,567,933	1,616,502	103	284,141	18	1,332,361-	85-
07-09	1,265,848	1,236,019	98	202,488	16	1,033,531-	82-
08-10	709,484	544,594	77	49,978	7	494,617-	70-
09-11							
10-12	399,559	330,216	83	78,843	20	251,372-	63-
11-13	650,847	539,337	83	156,463	24	382,874-	59-
12-14	1,070,962	711,432	66	274,487	26	436,946-	41-
13-15	810,015	525,565	65	202,992	25	322,574-	40-
14-16	558,727	316,444	57	125,372	22	191,072-	34-
15-17	138,612	144,348	104	7,348	5	137,000-	99-
FIVE-YEA	R AVERAGE						
13-17	486,009	315,339	65	121,795	25	193,544-	40-



ACCOUNT 366 UNDERGROUND CONDUIT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1993	117	628	538	10	8	618-	530-
1994	38,517	99,325	258	5,464	14	93,861-	244-
1995	254,561	158,772	62	5,613	2	153,159-	60-
1996	356,568	142,590	40	27,466	8	115,124-	32-
1997	203,185	245,640	121	12,447	6	233,193-	115-
1998	371,677	176,366	47	7,145	2	169,221-	46-
1999		20,886				20,886-	
2000	48,043	111,816	233	2,065	4	109,751-	228-
2001	160,108	148,729	93	2,546	2	146,183-	91-
2002	296,994	112,200	38	13,127	4	99,074-	33-
2003	268,936	256,012	95	56,787	21	199,225-	74-
2004	326,187	341,508	105	51,217	16	290,291-	89-
2005	363,273	175,350	48	43,991	12	131,358-	36-
2006	367,571	252,312	69	48,777	13	203,535-	55-
2007	363,435	298,077	82	83,037	23	215,040-	59-
2008	615,420	373,573	61	64,784	11	308,789-	50-
2009	552,401	360,513	65	83,956	15	276,557-	50-
2010	763,612	422,312	55	68,745	9	353,567-	46-
2011	943,495	464,020	49	72,805	8	391,215-	41-
2012	937,803	476,584	51	100,497	11	376,087-	40-
2013	650,707	304,205	47	44,297	7	259,908-	40-
2014	722,861	303,765	42	72,460	10	231,305-	32-
2015	1,050,027	455,158	43	48,848	5	406,310-	39-
2016	988,529	495,834	50	56,598	6	439,236-	44-
2017	955,272	340,864	36	63,263	7	277,601-	29-
TOTAL	11,599,295	6,537,039	56	1,035,943	9	5,501,096-	47-
THREE-YE.	AR MOVING AVERAG	ES					
93-95	97,731	86,242	88	3,696	4	82,546-	84-
94-96	216,549	133,562	62	12,848	6	120,715-	56-
95-97	271,438	182,334	67	15,175	6	167,159-	62-
96-98	310,477	188,199	61	15,686	5	172,513-	56-
97-99	191,620	147,631	77	6,531	3	141,100-	74-
98-00	139,906	103,023	74	3,070	2	99,953-	71-
99-01	69,384	93,810	135	1,537	2	92,274-	133-
00-02	168,382	124,248	74	5,912	4	118,336-	70-
01-03	242,013	172,314	71	24,153	10	148,161-	61-
02-04	297,372	236,573	80	40,377	14	196,197-	66-
02-04	319,465	257,623	81	50,665	16	206,958-	65-
03-05	352,344	256,390	73	47,995	14	208,395-	59-
0 1 00	334,311	230,390	13	±1,000	エユ	200,373-	55

ACCOUNT 366 UNDERGROUND CONDUIT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
05-07	364,760	241,913	66	58,602	16	183,311-	50-
06-08	448,808	307,988	69	65,533	15	242,455-	54-
07-09	510,418	344,055	67	77,259	15	266,796-	52-
08-10	643,811	385,466	60	72,495	11	312,971-	49-
09-11	753,169	415,615	55	75,169	10	340,447-	45-
10-12	881,637	454,305	52	80,682	9	373,623-	42-
11-13	844,002	414,936	49	72,533	9	342,403-	41-
12-14	770,457	361,518	47	72,418	9	289,100-	38-
13-15	807,865	354,376	44	55,202	7	299,174-	37-
14-16	920,472	418,252	45	59,302	6	358,950-	39-
15-17	997,942	430,619	43	56,236	6	374,382-	38-
FIVE-YEA	R AVERAGE						
13-17	873,479	379,965	44	57,093	7	322,872-	37-



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

YEAR RETURENTS REMOUNT PCT AMOUNT PCT AMOUNT PCT AMOUNT PCT AMOUNT PCT 1992 172,558 75,621 44 78,321 45 2,700 2 1994 287,987 29,941 10 5,061 2 24,880 9-1995 1995 669,381 163,501 24 9,267 1 154,234-23-23-23-1996 637,158 231,248 36 32,724 5 198,523-31-1997 579,935 180,406 31 32,537 6 147,869-2-51-1998 507,933 168,479 33 8,607 2 159,872-3-31-1999 6,962-6-692-692-7-11-13,833-2-2001 6,962-7-2000 6,962-7-2000 6,962-7-2000 6,962-7-2000 6,962-7-2000 6,962-7-2000 159,331 18,025-3 4,192-1 1 13,833-2-2001 220,241,484 178,481 42 20,770-5 5 157,711-37-37-3 37-400 304-41-19-2 1 13,833-2-2 2001 229,95,294-11-40-3 30-44-31-30-19-19-19-19-2 304-41-1			COST OF		GROSS		NET	
1992		REGULAR	REMOVAL		SALVAGE		SALVAGE	
1993 584,050 19,135 3 21,805 4 2,671 0 1994 287,987 29,941 10 5,061 2 24,880 9 1995 669,381 163,501 24 9,267 1 154,234 23 1996 637,158 231,248 36 32,724 5 198,523 31 1997 579,935 180,406 31 32,537 6 147,869 25 1998 507,933 168,479 33 8,607 2 159,872 31 1999 6,962 6,962 6,962 2000 590,331 18,025 3 4,192 1 13,833 2 2001 239,571 30,463 13 5,168 2 25,294 11 2002 421,484 178,481 42 20,770 5 157,711 37 2003 441,088 475,918 108 75,615 17 400,304 91 2004 664,506 370,825 56 46,538 7 324,286 49 2005 857,489 228,416 27 102,206 12 126,211 15 2006 439,385 312,450 71 50,342 11 262,109 60 2007 707,487 375,718 53 120,462 17 255,257 36 2008 1,197,987 699,953 58 177,043 15 522,911 44 2009 837,530 357,421 43 156,269 19 201,152 24 2010 1,124,021 390,643 35 211,584 19 179,060 16 2011 1,478,696 396,698 27 167,985 11 228,713 15 2012 1,485,503 388,599 26 163,753 11 224,846 15 2013 744,671 325,906 44 134,077 18 191,828 26 2014 1,075,648 457,188 43 219,077 20 238,111 22 2015 2,080,714 373,960 18 144,047 7 229,913 11 2016 2,147,865 449,061 21 214,293 10 234,768 11 2017 1,264,529 382,411 30 188,720 15 193,691 15 TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967 22 THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503 2 93-95 513,806 70,859 14 12,045 2 58,814 11 94-96 531,509 141,563 27 15,684 3 125,879 24 95-97 628,825 191,718 30 24,843 4 166,876 27 96-98 575,009 193,378 34 24,623 4 169,755 29 97-99 362,623 118,616 33 13,715 4 104,091 29 98-00 366,088 64,489	YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1994	1992	172,558	75,621	44	78,321	45	2,700	2
1995 669,381 163,501 24 9,267 1 154,234- 23- 1996 637,158 231,248 36 32,724 5 198,523- 31- 1997 579,935 180,406 31 32,537 6 147,869- 25- 1998 507,933 168,479 33 8,607 2 159,872- 31- 1999 6,962 2000 590,331 18,025 3 4,192 1 13,833- 2- 2001 239,571 30,463 13 5,168 2 25,294- 11- 2002 421,484 178,481 42 20,770 5 157,711- 37- 2003 441,088 475,918 108 75,615 17 400,304- 91- 2004 664,506 370,825 56 46,538 7 324,286- 49- 2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 24,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22-	1993	584,050	19,135	3	21,805	4	2,671	0
1996 637,158 231,248 36 32,724 5 198,523- 31- 1997 579,935 180,406 31 32,537 6 147,869- 25- 1998 507,933 168,479 33 8,607 2 159,872- 31- 1999 6,962 6,962 2000 590,331 18,025 3 4,192 1 13,833- 2- 2001 239,571 30,463 13 5,168 2 25,294- 11- 2002 421,484 178,481 42 20,770 5 157,711- 37- 2003 441,088 475,918 108 75,615 17 400,304- 91- 2004 664,506 370,825 56 46,538 7 324,286- 49- 2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 24,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22-	1994	287,987	29,941	10	5,061	2	24,880-	9-
1997 579,935 180,406 31 32,537 6 147,869- 25- 1998 507,933 168,479 33 8,607 2 159,872- 31- 1999 6,962 2000 590,331 18,025 3 4,192 1 13,833- 2- 2001 239,571 30,463 13 5,168 2 25,294- 11- 2002 421,484 178,481 42 20,770 5 157,711- 37- 2003 441,088 475,918 108 75,615 17 400,304- 91- 2004 664,506 370,825 56 46,538 7 324,286- 49- 2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22-	1995	669,381	163,501	24	9,267	1	154,234-	23-
1998 507,933 168,479 33 8,607 2 159,872- 31- 1999 6,962 2000 590,331 18,025 3 4,192 1 13,833- 2- 2001 239,571 30,463 13 5,168 2 25,294- 11- 2002 421,484 178,481 42 20,770 5 157,711- 37- 2003 441,088 475,918 108 75,615 17 400,304- 91- 2004 664,506 370,825 56 46,538 7 324,286- 49- 2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 2017 1,564,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,606 70,859 14 15,666 12 60,002 2 65,613- 16- 99-01 26,634 18,833 7 3,120 1 15,	1996	637,158	231,248	36	32,724	5	198,523-	31-
1999 6,962 6,962 6,962 13,833 2.2 2000 590,331 18,025 3 4,192 1 13,833 2.2 2001 239,571 30,463 13 5,168 2 25,294 11- 2002 421,484 178,481 42 20,770 5 157,711- 37- 2003 441,088 475,918 108 75,615 17 400,304- 91- 2004 664,506 370,825 56 46,538 7 324,286- 49- 2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22-	1997	579,935	180,406	31	32,537	6	147,869-	25-
2000 590,331 18,025 3 4,192 1 13,833- 2- 2001 239,571 30,463 13 5,168 2 25,294- 11- 2002 421,484 178,481 42 20,770 5 157,711- 37- 2003 441,088 475,918 108 75,615 17 400,304- 91- 2004 664,506 370,825 56 46,538 7 324,286- 49- 2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 00-02 417,128 75,656 18 10,043 2 65,613- 16-	1998	507,933	168,479	33	8,607	2	159,872-	31-
2001 239,571 30,463 13 5,168 2 25,294- 11- 2002 421,484 178,481 42 20,770 5 157,711- 37- 2003 441,088 475,918 108 75,615 17 400,304- 91- 2004 664,506 370,825 56 46,538 7 324,286- 49- 2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 336,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 3373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	1999		6,962				6,962-	
2002 421,484 178,481 42 20,770 5 157,711- 37- 2003 441,088 475,918 108 75,615 17 400,304- 91- 2004 664,506 370,825 56 46,538 7 324,286- 49- 2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES P2-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2000	590,331	18,025	3	4,192	1	13,833-	2-
2003	2001	239,571	30,463	13	5,168	2	25,294-	11-
2004 664,506 370,825 56 46,538 7 324,286- 49- 2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,755- 29- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2002	421,484	178,481	42	20,770	5	157,711-	37-
2005 857,489 228,416 27 102,206 12 126,211- 15- 2006 439,285 312,450 71 50,342 11 262,109- 60- 2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2003	441,088	475,918	108	75,615	17	400,304-	91-
2006	2004	664,506	370,825	56	46,538	7	324,286-	49-
2007 707,487 375,718 53 120,462 17 255,257- 36- 2008 1,197,987 699,953 58 177,043 15 522,911- 44- 2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2005	857,489	228,416	27	102,206	12	126,211-	15-
2008	2006	439,285	312,450	71	50,342	11	262,109-	60-
2009 837,530 357,421 43 156,269 19 201,152- 24- 2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2007	707,487	375,718	53	120,462	17	255,257-	36-
2010 1,124,021 390,643 35 211,584 19 179,060- 16- 2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2008	1,197,987	699,953	58	177,043	15	522,911-	44-
2011 1,478,696 396,698 27 167,985 11 228,713- 15- 2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2009	837,530	357,421	43	156,269	19	201,152-	24-
2012 1,485,503 388,599 26 163,753 11 224,846- 15- 2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 166,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2010	1,124,021	390,643	35	211,584	19	179,060-	16-
2013 744,671 325,906 44 134,077 18 191,828- 26- 2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2011	1,478,696	396,698	27	167,985	11	228,713-	15-
2014 1,075,648 457,188 43 219,077 20 238,111- 22- 2015 2,080,714 373,960 18 144,047 7 229,913- 11- 2016 2,147,865 449,061 21 214,293 10 234,768- 11- 2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2012	1,485,503	388,599	26	163,753	11	224,846-	15-
2015	2013	744,671	325,906	44	134,077	18	191,828-	26-
2016	2014	1,075,648	457,188	43	219,077	20	238,111-	22-
2017 1,264,529 382,411 30 188,720 15 193,691- 15- TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 <	2015	2,080,714	373,960	18	144,047	7	229,913-	11-
TOTAL 21,237,406 7,087,429 33 2,390,463 11 4,696,967- 22- THREE-YEAR MOVING AVERAGES 92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	2016	2,147,865	449,061	21	214,293	10	234,768-	11-
THREE-YEAR MOVING AVERAGES 92-94	2017	1,264,529	382,411	30	188,720	15	193,691-	15-
92-94 348,199 41,566 12 35,063 10 6,503- 2- 93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	TOTAL	21,237,406	7,087,429	33	2,390,463	11	4,696,967-	22-
93-95 513,806 70,859 14 12,045 2 58,814- 11- 94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	THREE-YEA	AR MOVING AVERAG	ES					
94-96 531,509 141,563 27 15,684 3 125,879- 24- 95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	92-94	348,199	41,566	12	35,063	10	6,503-	2-
95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	93-95	513,806	70,859	14	12,045	2	58,814-	11-
95-97 628,825 191,718 30 24,843 4 166,876- 27- 96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	94-96	531,509	141,563	27	15,684	3	125,879-	24-
96-98 575,009 193,378 34 24,623 4 168,755- 29- 97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	95-97			30	24,843	4		27-
97-99 362,623 118,616 33 13,715 4 104,901- 29- 98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	96-98	575,009					168,755-	29-
98-00 366,088 64,489 18 4,266 1 60,223- 16- 99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	97-99							
99-01 276,634 18,483 7 3,120 1 15,363- 6- 00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-	98-00							
00-02 417,128 75,656 18 10,043 2 65,613- 16- 01-03 367,381 228,287 62 33,851 9 194,436- 53-					3,120			
01-03 367,381 228,287 62 33,851 9 194,436- 53-								



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	5					
03-05	654,361	358,387	55	74,786	11	283,600-	43-
04-06	653,760	303,897	46	66,362	10	237,535-	36-
05-07	668,087	305,528	46	91,003	14	214,525-	32-
06-08	781,586	462,707	59	115,949	15	346,759-	44-
07-09	914,335	477,698	52	151,258	17	326,440-	36-
08-10	1,053,179	482,673	46	181,632	17	301,041-	29-
09-11	1,146,749	381,587	33	178,612	16	202,975-	18-
10-12	1,362,740	391,980	29	181,107	13	210,873-	15-
11-13	1,236,290	370,401	30	155,272	13	215,129-	17-
12-14	1,101,941	390,564	35	172,303	16	218,262-	20-
13-15	1,300,344	385,684	30	165,734	13	219,951-	17-
14-16	1,768,076	426,736	24	192,472	11	234,264-	13-
15-17	1,831,036	401,810	22	182,353	10	219,457-	12-
FIVE-YEA	R AVERAGE						
13-17	1,462,685	397,705	27	180,043	12	217,662-	15-



ACCOUNT 368 LINE TRANSFORMERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	1,061,734	292,493	28	172,028	16	120,465-	11-
1993	831,543	716,167	86	132,112	16	584,054-	70-
1994	592,262	217,619	37	125,857	21	91,762-	15-
1995	111,663-	290,132	260-	95,624	86-	194,509-	174
1996	195,491	37,199	19	365,093	187	327,894	168
1997	209,194	434,064	207	150,317	72	283,747-	136-
1998	3,243,888	1,621,644	50	63,245	2	1,558,399-	48-
1999	578	97,153		467,302		370,149	
2000	2,552,937	495,281	19	1,757,820	69	1,262,540	49
2001	1,963,944	438,274	22	870,620	44	432,345	22
2002	1,779,065	1,318,837	74	847,234	48	471,603-	27-
2003	2,758,591	1,925,465	70	1,442,653	52	482,812-	18-
2004	2,185,682	1,551,461	71	1,293,069	59	258,392-	12-
2005	2,627,416	1,649,250	63	1,475,759	56	173,491-	7 –
2006	2,192,218	1,863,358	85	1,654,537	75	208,821-	10-
2007	2,727,521	2,540,113	93	2,893,582	106	353,469	13
2008	3,208,580	2,503,872	78	2,425,324	76	78,548-	2 -
2009	2,588,916	2,359,194	91	2,099,790	81	259,404-	10-
2010	2,600,847	2,182,914	84	2,146,932	83	35,982-	1-
2011	3,167,281	2,316,492	73	1,834,148	58	482,344-	15-
2012	2,955,709	2,047,578	69	1,711,639	58	335,939-	11-
2013	2,431,612	1,894,763	78	1,475,364	61	419,399-	17-
2014	3,427,517	1,976,775	58	1,595,094	47	381,681-	11-
2015	3,456,807	1,991,846	58	1,306,072	38	685,774-	20-
2016	3,060,855	2,117,029	69	1,131,826	37	985,204-	32-
2017	3,522,194	1,857,260	53	874,772	25	982,488-	28-
TOTAL	55,230,722	36,736,233	67	30,407,815	55	6,328,418-	11-
THREE-YE	AR MOVING AVERAG	ES					
92-94	828,513	408,760	49	143,332	17	265,427-	32-
93-95	437,381	407,973	93	117,864	27	290,108-	66-
94-96	225,363	181,650	81	195,525	87	13,875	6
95-97	97,674	253,798	260	203,678	209	50,120-	51-
96-98	1,216,191	697,636	57	192,885	16	504,750-	42-
97-99	1,151,220	717,620	62	226,955	20	490,665-	43-
98-00	1,932,468	738,026	38	762,789	39	24,763	1
99-01	1,505,819	343,569	23	1,031,914	69	688,345	46
00-02	2,098,648	750,797	36	1,158,558	55	407,760	19
01-03	2,167,200	1,227,525	57	1,053,502	49	174,023-	8-
02-04	2,241,113	1,598,587	71	1,194,318	53	404,269-	18-



ACCOUNT 368 LINE TRANSFORMERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	5					
03-05	2,523,897	1,708,725	68	1,403,827	56	304,898-	12-
04-06	2,335,106	1,688,023	72	1,474,455	63	213,568-	9 –
05-07	2,515,719	2,017,574	80	2,007,960	80	9,614-	0
06-08	2,709,440	2,302,448	85	2,324,481	86	22,034	1
07-09	2,841,673	2,467,726	87	2,472,899	87	5,173	0
08-10	2,799,448	2,348,660	84	2,224,016	79	124,645-	4 –
09-11	2,785,682	2,286,200	82	2,026,957	73	259,243-	9 –
10-12	2,907,946	2,182,328	75	1,897,573	65	284,755-	10-
11-13	2,851,534	2,086,278	73	1,673,717	59	412,560-	14-
12-14	2,938,279	1,973,039	67	1,594,032	54	379,006-	13-
13-15	3,105,312	1,954,461	63	1,458,844	47	495,618-	16-
14-16	3,315,060	2,028,550	61	1,344,331	41	684,219-	21-
15-17	3,346,619	1,988,712	59	1,104,223	33	884,488-	26-
FIVE-YEA	R AVERAGE						
13-17	3,179,797	1,967,535	62	1,276,626	40	690,909-	22-



ACCOUNT 369 SERVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	190,820	19,711	10	46,541	24	26,831	14
1993	199,571	164,154	82	28,479	14	135,675-	68-
1994	88,861	5,426	6	8,757	10	3,331	4
1995	119,901	112,407	94	4,666	4	107,740-	90-
1996	45,464	197,350	434	5,379	12	191,972-	
1997	41,853	121,832	291	11,603	28	110,229-	
1998	77,233	221,429	287	4,597	6	216,831-	
1999							
2000	64,769-	31,787	49-	3,061	5-	28,726-	44
2001	403,109	174,867	43	33,913	8	140,954-	35-
2002	1,115,490	1,178,577	106	53,885	5	1,124,692-	101-
2003	1,632,282	1,995,386	122	411,005	25	1,584,381-	97-
2004	1,957,474	1,008,403	52	316,101	16	692,303-	35-
2005	1,154,670	582,999	50	109,228	9	473,770-	41-
2006	582,045	52,400	9	12,615	2	39,786-	7 –
2007	387,681	77,313	20	39,464	10	37,849-	10-
2008	1,107,799	695,929	63	494,112	45	201,817-	18-
2009	2,101,658	1,895,580	90	439,101	21	1,456,479-	69-
2010	1,951,930	1,433,778	73	1,360,525	70	73,253-	4 –
2011	1,753,244	1,208,138	69	914,377	52	293,761-	17-
2012	324,026	177,254	55	60,153	19	117,101-	36-
2013	262,384	145,436	55	67,298	26	78,138-	30-
2014	303,133	144,378	48	48,892	16	95,485-	31-
2015	420,795	332,729	79	187,915	45	144,814-	34-
2016	1,485,336	717,142	48	294,590	20	422,552-	28-
2017	1,493,087	890,662	60	473,646	32	417,017-	28-
TOTAL	19,135,079	13,585,068	71	5,429,902	28	8,155,166-	43-
THREE-YE	AR MOVING AVERAG	GES					
92-94	159,751	63,097	39	27,926	17	35,171-	22-
93-95	136,111	93,996	69	13,968	10	80,028-	59-
94-96	84,742	105,061	124	6,267	7	98,794-	117-
95-97	69,073	143,863	208	7,216	10	136,647-	198-
96-98	54,850	180,204	329	7,193	13	173,011-	315-
97-99	39,695	114,420	288	5,400	14	109,020-	275-
98-00	4,155	84,405		2,553	61	81,852-	
99-01	112,780	68,885	61	12,325	11	56,560-	50-
00-02	484,610	461,744	95	30,287	6	431,457-	89-
01-03	1,050,294	1,116,277	106	166,268	16	950,009-	90-
02-04	1,568,416	1,394,122	89	260,330	17	1,133,792-	72-



ACCOUNT 369 SERVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	S					
03-05	1,581,476	1,195,596	76	278,778	18	916,818-	58-
04-06	1,231,397	547,934	44	145,981	12	401,953-	33-
05-07	708,132	237,571	34	53,769	8	183,802-	26-
06-08	692,508	275,214	40	182,063	26	93,151-	13-
07-09	1,199,046	889,607	74	324,225	27	565,382-	47-
08-10	1,720,463	1,341,762	78	764,579	44	577,183-	34-
09-11	1,935,611	1,512,499	78	904,668	47	607,831-	31-
10-12	1,343,067	939,723	70	778,352	58	161,372-	12-
11-13	779,885	510,276	65	347,276	45	163,000-	21-
12-14	296,514	155,689	53	58,781	20	96,908-	33-
13-15	328,771	207,514	63	101,368	31	106,146-	32-
14-16	736,421	398,083	54	177,132	24	220,951-	30-
15-17	1,133,073	646,845	57	318,717	28	328,128-	29-
FIVE-YEA	R AVERAGE						
13-17	792,947	446,069	56	214,468	27	231,601-	29-



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	11,245	45,230	402	1,551	14	43,679-	388-
1993	33,423	72,704	218	1,236	4	71,468-	214-
1994	26,444	66,750	252	2,830	11	63,920-	242-
1995	43,655	56,763	130	1,857	4	54,907-	126-
1996	111,922	52,462	47	3,907	3	48,555-	43-
1997	48,830	24,289	50	2,699	6	21,591-	44-
1998	73,682	45,794	62	1,367	2	44,427-	60-
1999							
2000	136,218	5,476	4		0	5,476-	4 –
2001	75,443	15,463	20	1,026	1	14,438-	19-
2002	65,936	28,176	43	781	1	27,396-	42-
2003	54,480	59,870	110	6,746	12	53,124-	98-
2004	43,853	34,695	79	6,931	16	27,764-	63-
2005	46,485	23,366	50	13,883	30	9,483-	20-
2006	45,624	23,288	51	3,327	7	19,960-	44-
2007	30,192	36,621	121	8,276	27	28,345-	94-
2008	57,815	44,027	76	5,658	10	38,369-	66-
2009	34,374	40,098	117	3,574	10	36,524-	106-
2010	53,359	45,746	86	9,274	17	36,472-	68-
2011	45,341	45,374	100	3,595	8	41,779-	92-
2012	39,546	39,730	100	5,609	14	34,120-	86-
2013	40,182	38,136	95	2,900	7	35,236-	88-
2014	41,290	29,963	73	2,929	7	27,034-	65-
2015	33,248	27,882	84	5,816	17	22,066-	66-
2016	36,355	31,031	85	6,084	17	24,947-	69-
2017	54,207	41,961	77	5,609	10	36,352-	67-
TOTAL	1,283,151	974,895	76	107,464	8	867,431-	68-
THREE-YE	AR MOVING AVERAG	ES					
92-94	23,704	61,561	260	1,872	8	59,689-	252-
93-95	34,508	65,406		1,974	6	63,432-	
94-96	60,674	58,658		2,865	5	55,794-	
95-97	68,136	44,505	65	2,821	4	41,684-	61-
96-98	78,145	40,848	52	2,658	3	38,191-	49-
97-99	40,838	23,361	57	1,355	3	22,006-	54-
98-00	69,967	17,090	24	456	1	16,634-	24-
99-01	70,554	6,980	10	342	0	6,638-	9-
00-02	92,533	16,372	18	602	1	15,770-	17-
01-03	65,286	34,503	53	2,851	4	31,652-	48-
02-04	54,756	40,914	75	4,819	9	36,094-	66-



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	REGULAR RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	48,273	39,310	81	9,187	19	30,123-	62-
04-06	45,321	27,116	60	8,047	18	19,069-	42-
05-07	40,767	27,758	68	8,495	21	19,263-	47-
06-08	44,544	34,645	78	5,754	13	28,891-	65-
07-09	40,794	40,249	99	5,836	14	34,413-	84-
08-10	48,516	43,290	89	6,168	13	37,122-	77-
09-11	44,358	43,739	99	5,481	12	38,258-	86-
10-12	46,082	43,616	95	6,159	13	37,457-	81-
11-13	41,690	41,080	99	4,035	10	37,045-	89-
12-14	40,339	35,943	89	3,813	9	32,130-	80-
13-15	38,240	31,994	84	3,882	10	28,112-	74-
14-16	36,964	29,625	80	4,943	13	24,683-	67-
15-17	41,270	33,625	81	5,836	14	27,788-	67-
FIVE-YEA	R AVERAGE						
13-17	41,056	33,795	82	4,668	11	29,127-	71-



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	171,480	104,744	61	32,141	19	72,603-	42-
1993	111,966	61,679	55	3,430	3	58,248-	52-
1994	69,390	304,605	439	6,100	9	298,504-	430-
1995	65,618	42,789	65	139	0	42,650-	65-
1996	78,891	22,734	29	1,393	2	21,341-	27-
1997	485,753	211,612	44	12,249	3	199,363-	41-
1998	352,135	158,344	45	5,666	2	152,678-	43-
1999							
2000	250,146	73,414	29	683	0	72,731-	29-
2001	413,030	48,828	12	231	0	48,597-	12-
2002	379,215	96,227	25	4,316	1	91,911-	24-
2003	203,685	92,305	45	16,364	8	75,941-	37-
2004	439,284	44,899	10	20,957	5	23,942-	5 –
2005	300,418	59,212	20	20,416	7	38,796-	13-
2006	265,992	67,563	25	8,348	3	59,215-	22-
2007	226,095	256,330	113	24,400	11	231,930-	103-
2008	327,420	218,047	67	2,811	1	215,236-	66-
2009	208,508	223,080	107	25,531	12	197,549-	95-
2010	204,931	153,896	75	35,396	17	118,500-	58-
2011	207,190	131,187	63	16,096	8	115,091-	56-
2012	155,575	110,445	71	12,544	8	97,901-	63-
2013	129,999	87,732	67	26,640	20	61,092-	47-
2014	94,888	38,415	40	15,565	16	22,850-	24-
2015	135,967	68,993	51	14,215	10	54,777-	40-
2016	238,862	68,022	28	11,788	5	56,234-	24-
2017	251,198	85,751	34	18,878	8	66,873-	27-
TOTAL	5,767,636	2,830,851	49	336,296	6	2,494,555-	43-
THREE-YE.	AR MOVING AVERAG	ES					
92-94	117,612	157,009	133	13,890	12	143,119-	122-
93-95	82,325	136,357	166	3,223	4	133,134-	162-
94-96	71,299	123,376	173	2,544	4	120,832-	169-
95-97	210,087	92,378	44	4,594	2	87,785-	42-
96-98	305,593	130,897	43	6,436	2	124,461-	41-
97-99	279,296	123,319	44	5,972	2	117,347-	42-
98-00	200,760	77,253	38	2,116	1	75,136-	37-
99-01	221,059	40,747	18	305	0	40,443-	18-
00-02	347,463	72,823	21	1,743	1	71,080-	20-
01-03	331,977	79,120	24	6,970	2	72,150-	22-
02-04	340,728	77,810	23	13,879	4	63,931-	19-



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	S					
03-05	314,462	65,472	21	19,246	6	46,226-	15-
04-06	335,231	57,225	17	16,574	5	40,651-	12-
05-07	264,168	127,702	48	17,721	7	109,981-	42-
06-08	273,169	180,646	66	11,853	4	168,794-	62-
07-09	254,008	232,485	92	17,581	7	214,905-	85-
08-10	246,953	198,341	80	21,246	9	177,095-	72-
09-11	206,876	169,388	82	25,674	12	143,713-	69-
10-12	189,232	131,843	70	21,345	11	110,497-	58-
11-13	164,255	109,788	67	18,427	11	91,361-	56-
12-14	126,821	78,864	62	18,249	14	60,614-	48-
13-15	120,285	65,046	54	18,807	16	46,240-	38-
14-16	156,572	58,477	37	13,856	9	44,621-	28-
15-17	208,676	74,255	36	14,960	7	59,295-	28-
FIVE-YEA	R AVERAGE						
13-17	170,183	69,782	41	17,417	10	52,365-	31-



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL	- ~-	SALVAGE	_ ~ _	SALVAGE	- ~-
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	3,023,320	34,481	1	19,141	1	15,340-	1-
1993	56,398	66,840	119	154,369	274	87,529	155
1994	157,882	6,852	4	1,057	1	5,795-	4 –
1995	160,790	436,417	271		0	436,417-	271-
1996	48,754	209,753	430	3,000	6	206,753-	424-
1997	545,835	2,414	0	90,879-	17-	93,293-	17-
1998	634,897	15,539	2		0	15,539-	2-
1999							
2000	1,685		0		0		0
2001	486,383		0		0		0
2002	1,548		0		0		0
2003	1,636,156	244,493	15		0	244,493-	15-
2004	389,425	209,882	54		0	209,882-	54-
2005	708,381	114,396	16		0	114,396-	16-
2006	241,308	117,837	49		0	117,837-	49-
2007	566,833	133,813	24		0	133,813-	24-
2008	1,477,746	135,551	9		0	135,551-	9 –
2009	559,823	51,117	9		0	51,117-	9 –
2010	229,016	36,087	16		0	36,087-	16-
2011	80,946	18,136	22		0	18,136-	22-
2012	900,984	262,177	29		0	262,177-	29-
2013	1,215,238	375,907	31		0	375,907-	31-
2014	331,870	182,356	55		0	182,356-	55-
2015	246,112	20,622	8		0	20,622-	8 –
2016	2,501,054	317,861	13		0	317,861-	13-
2017	682,062	320,060	47		0	320,060-	47-
TOTAL	16,884,449	3,312,592	20	86,688	1	3,225,904-	19-
THREE-YE	AR MOVING AVERAGE	ES					
92-94	1,079,200	36,058	3	58,189	5	22,131	2
93-95	125,023	170,036	136	51,808	41	118,228-	95-
94-96	122,475	217,674	178	1,352	1		177-
95-97	251,793	216,195	86	29,293-	12-	245,488-	97-
96-98	409,829	75,902	19	29,293-	7-	105,195-	26-
97-99	393,578	5,984	2	30,293-	8-	36,277-	9 –
98-00	212,194	5,180	2		0	5,180-	2-
99-01	162,689	-	0		0	·	0
00-02	163,205		0		0		0
01-03	708,029	81,498	12		0	81,498-	12-
02-04	675,710	151,458	22		0	151,458-	22-

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS	NET	
	REGULAR	REMOVAL		SALVAGE	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES	S				
03-05	911,321	189,590	21	0	189,590-	21-
04-06	446,372	147,372	33	0	147,372-	33-
05-07	505,508	122,016	24	0	122,016-	24-
06-08	761,963	129,067	17	0	129,067-	17-
07-09	868,134	106,827	12	0	106,827-	12-
08-10	755,528	74,251	10	0	74,251-	10-
09-11	289,928	35,113	12	0	35,113-	12-
10-12	403,649	105,467	26	0	105,467-	26-
11-13	732,390	218,740	30	0	218,740-	30-
12-14	816,031	273,480	34	0	273,480-	34-
13-15	597,740	192,962	32	0	192,962-	32-
14-16	1,026,346	173,613	17	0	173,613-	17-
15-17	1,143,076	219,514	19	0	219,514-	19-
FIVE-YEA	R AVERAGE					
13-17	995,267	243,361	24	0	243,361-	24-



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	934,281		0	135,216	14	135,216	14
1993	824,582		0	129,506	16	129,506	16
1994	1,531,631	21,880	1	210,236	14	188,356	12
1995	1,008,511	13,882	1	18,575	2	4,693	0
1996	1,704,962	16,736	1	341,981	20	325,245	19
1997	922,954		0	140,005	15	140,005	15
1998	318,568	893	0	7,039	2	6,146	2
1999	1,048,977		0	153,972	15	153,972	15
2000	1,131,823		0	104,132	9	104,132	9
2001	739,759		0	115,051	16	115,051	16
2002	820,879		0	102,861	13	102,861	13
2003	843,460		0	7,506	1	7,506	1
2004	628,984		0	43,970	7	43,970	7
2005	2,355,584		0	187,469	8	187,469	8
2006	1,206,346		0	108,707	9	108,707	9
2007	803,148		0	60,759	8	60,759	8
2008	1,156,417		0	82,841	7	82,841	7
2009	2,019,150		0	148,772	7	148,772	7
2010	1,245,279		0	65,124	5	65,124	5
2011	294,585		0	16,546	6	16,546	6
2012	725,884		0	38,764	5	38,764	5
2013	485,163		0	39,041	8	39,041	8
2014	612,184		0	37,312	6	37,312	6
2015	1,115,981		0	79,846	7	79,846	7
2016	1,384,319		0	83,664	6	83,664	6
2017	844,861		0	47,250	6	47,250	6
TOTAL	26,708,271	53,391	0	2,506,145	9	2,452,754	9
THREE-YE	AR MOVING AVERAG	ES					
92-94	1,096,831	7,293	1	158,320	14	151,026	14
93-95	1,121,575	11,921	1	119,439	11	107,519	10
94-96	1,415,035	17,499	1	190,264	13	172,765	12
95-97	1,212,142	10,206	1	166,854	14	156,648	13
96-98	982,161	5,876	1	163,008	17	157,132	16
97-99	763,499	298	0	100,338	13	100,041	13
98-00	833,122	298	0	88,381	11	88,083	11
99-01	973,519		0	124,385	13	124,385	13
00-02	897,487		0	107,348	12	107,348	12
01-03	801,366		0	75,139	9	75,139	9
02-04	764,441		0	51,445	7	51,445	7



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

	REGULAR	COST OF		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	1,276,009		0	79,648	6	79,648	6
04-06	1,396,971		0	113,382	8	113,382	8
05-07	1,455,026		0	118,978	8	118,978	8
06-08	1,055,304		0	84,102	8	84,102	8
07-09	1,326,238		0	97,458	7	97,458	7
08-10	1,473,616		0	98,913	7	98,913	7
09-11	1,186,338		0	76,814	6	76,814	6
10-12	755,249		0	40,145	5	40,145	5
11-13	501,877		0	31,450	6	31,450	6
12-14	607,744		0	38,372	6	38,372	6
13-15	737,776		0	52,066	7	52,066	7
14-16	1,037,495		0	66,941	6	66,941	6
15-17	1,115,054		0	70,253	6	70,253	6
FIVE-YEA	R AVERAGE						
13-17	888,502		0	57,423	6	57,423	6



ACCOUNT 392.3 TRANSPORTATION EQUIPMENT - AIRCRAFT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2011 2012	1,596,176		0	380,000	24	380,000	24
2013 2014							
2015 2016							
2017	1,028,973	10,191	1	200,000	19	189,809	18
TOTAL	2,625,149	10,191	0	580,000	22	569,809	22
THREE-YE	AR MOVING AVERAGE	:S					
11-13	532,059		0	126,667	24	126,667	24
12-14							
13-15 14-16							
15-17	342,991	3,397	1	66,667	19	63,270	18
FIVE-YEA	R AVERAGE						
13-17	205,795	2,038	1	40,000	19	37,962	18



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

	REGULAR	COST OF		GROSS SALVAGE		NET	
YEAR	RETIREMENTS	REMOVAL AMOUNT	PCT	AMOUNT	PCT	SALVAGE AMOUNT	PCT
1992	859,593		0	105,537	12	105,537	12
1993	540,969		0	67,540	12	67,540	12
1994	834,099	8,622	1	92,133	11	83,511	10
1995	821,141	12,124	1	38,219	5	26,095	3
1996	1,671,766	18,956	1	268,271	16	249,314	15
1997	780,345		0	128,179	16	128,179	16
1998	448,816	1,257	0	33,267	7	32,009	7
1999	689,800		0	101,251	15	101,251	15
2000	1,502,553		0	138,543	9	138,543	9
2001	670,955		0	104,351	16	104,351	16
2002	1,259,671		0	86,929	7	86,929	7
2003	1,061,163		0	20,416	2	20,416	2
2004	722,676		0	88,471	12	88,471	12
2005	1,967,714		0	127,141	6	127,141	6
2006	1,183,164		0	113,311	10	113,311	10
2007	1,305,644		0	77,987	6	77,987	6
2008	558,410		0	21,393	4	21,393	4
2009	757,964		0	32,789	4	32,789	4
2010	451,286		0	14,129	3	14,129	3
2011	218,798		0	9,831	4	9,831	4
2012	537,575		0	32,293	6	32,293	6
2013	324,486		0	8,454	3	8,454	3
2014	539,687		0	37,072	7	37,072	7
2015	864,077		0	37,508	4	37,508	4
2016	1,735,326		0	71,010	4	71,010	4
2017	1,206,724		0	67,350	6	67,350	6
TOTAL	23,514,402	40,960	0	1,923,375	8	1,882,415	8
THREE-YE	AR MOVING AVERAGE	ES					
92-94	744,887	2,874	0	88,403	12	85,529	11
93-95	732,070	6,915	1	65,964	9	59,049	8
94-96	1,109,002	13,234	1	132,874	12	119,640	11
95-97	1,091,084	10,360	1	144,890	13	134,530	12
96-98	966,976	6,738	1	143,239	15	136,501	14
97-99	639,653	419	0	87,566	14	87,146	14
98-00	880,390	419	0	91,020	10	90,601	10
99-01	954,436		0	114,715	12	114,715	12
00-02	1,144,393		0	109,941	10	109,941	10
01-03	997,263		0	70,565	7	70,565	7
02-04	1,014,503		0	65,272	6	65,272	6



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

		COST O	F	GROSS		NET	
	REGULAR	REMOVA:	L	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	1,250,517		0	78,676	6	78,676	6
04-06	1,291,184		0	109,641	8	109,641	8
05-07	1,485,507		0	106,147	7	106,147	7
06-08	1,015,739		0	70,897	7	70,897	7
07-09	874,006		0	44,057	5	44,057	5
08-10	589,220		0	22,771	4	22,771	4
09-11	476,016		0	18,917	4	18,917	4
10-12	402,553		0	18,751	5	18,751	5
11-13	360,286		0	16,859	5	16,859	5
12-14	467,249		0	25,940	6	25,940	6
13-15	576,083		0	27,678	5	27,678	5
14-16	1,046,363		0	48,530	5	48,530	5
15-17	1,268,709		0	58,623	5	58,623	5
FIVE-YEA	R AVERAGE						
13-17	934,060		0	44,279	5	44,279	5



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	160,556		0	78,360	49	78,360	49
1993	43,817		0	18,736	43	18,736	43
1994	29,894	134	0	23,541	79	23,407	78
1995	42,276	1,106	3	341	1	765-	2-
1996	242,206	2,616	1	29,889	12	27,273	11
1997	42,252		0	21,033	50	21,033	50
1998	38,553	108	0		0	108-	0
1999	34,353		0	10,085	29	10,085	29
2000	398,585		0	75,099	19	75,099	19
2001	254,796		0	79,255	31	79,255	31
2002	120,885		0	19,390	16	19,390	16
2003	272,036		0	38,455	14	38,455	14
2004	137,465		0	14,686	11	14,686	11
2005	841,231		0	272,198	32	272,198	32
2006	262,240		0	47,345	18	47,345	18
2007	152,313		0	10,226	7	10,226	7
2008	137,617		0	6,887	5	6,887	5
2009	34,886		0	898	3	898	3
2010	70,000		0	1,864	3	1,864	3
2011	31,006		0	2,776	9	2,776	9
2012	100,514		0	2,888	3	2,888	3
2013	62,723		0	1,495	2	1,495	2
2014				1,842		1,842	
2015	123,109	446	0	13,493	11	13,047	11
2016	190,655		0	9,881	5	9,881	5
2017	197,485		0	17,750	9	17,750	9
TOTAL	4,021,453	4,410	0	798,412	20	794,002	20
THREE-YE	AR MOVING AVERAG	ES					
92-94	78,089	45	0	40,212	51	40,168	51
93-95	38,662	413	1	14,206	37	13,793	36
94-96	104,792	1,285	1	17,924	17	16,638	16
95-97	108,912	1,241	1	17,088	16	15,847	15
96-98	107,671	908	1	16,974	16	16,066	15
97-99	38,386	36	0	10,373	27	10,337	27
98-00	157,164	36	0	28,394	18	28,358	18
99-01	229,245		0	54,813	24	54,813	24
00-02	258,089		0	57,914	22	57,914	22
01-03	215,906		0	45,700	21	45,700	21
02-04	176,796		0	24,177	14	24,177	14
	•			-		-	



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

		COST O		GROSS		NET	
	REGULAR	REMOVA:	L	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES						
03-05	416,911		0	108,446	26	108,446	26
04-06	413,646		0	111,410	27	111,410	27
05-07	418,595		0	109,923	26	109,923	26
06-08	184,057		0	21,486	12	21,486	12
07-09	108,272		0	6,004	6	6,004	6
08-10	80,834		0	3,216	4	3,216	4
09-11	45,297		0	1,846	4	1,846	4
10-12	67,173		0	2,509	4	2,509	4
11-13	64,748		0	2,386	4	2,386	4
12-14	54,412		0	2,075	4	2,075	4
13-15	61,944	149	9 0	5,610	9	5,461	9
14-16	104,588	149	9 0	8,405	8	8,257	8
15-17	170,416	149	9 0	13,708	8	13,559	8
FIVE-YEA	R AVERAGE						
13-17	114,794	89	9 0	8,892	8	8,803	8



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1993				3,062		3,062	
1994				28		28	
1995	20,708	704	3		0	704-	3 –
1996	·	77		5,607		5,531	
1997	50,562		0	6,960-	14-	6,960-	14-
1998							
1999							
2000							
2001							
2002	286,737		0	29,767	10	29,767	10
2003	287,479		0		0		0
2004	442,761		0	33,018	7	33,018	7
2005	364,749		0	81,223	22	81,223	22
2006	294,375		0	60,791	21	60,791	21
2007	518,951		0	107,149	21	107,149	21
2008	398,622		0	49,385	12	49,385	12
2009	360,073		0	42,868	12	42,868	12
2010	603,054		0	44,427	7	44,427	7
2011	312,212		0	28,763	9	28,763	9
2012	168,522		0	12,316	7	12,316	7
2013	100,343		0	15,140	15	15,140	15
2014				2,639-		2,639-	
2015	402,106		0	27,361	7	27,361	7
2016	950,800		0	50,400	5	50,400	5
2017	836,721		0	60,500	7	60,500	7
TOTAL	6,398,775	780	0	642,207	10	641,426	10
THREE-YE	AR MOVING AVERAGE	IS					
93-95	6,903	235	3	1,030	15	796	12
94-96	6,903	260	4	1,879	27	1,618	23
95-97	23,757	260	1	451-	2-	711-	3 –
96-98	16,854	26	0	451-	3 –	476-	3 –
97-99	16,854		0	2,320-	14-	2,320-	14-
98-00							
99-01							
00-02	95,579		0	9,922	10	9,922	10
01-03	191,405		0	9,922	5	9,922	5
02-04	338,992		0	20,928	6	20,928	6
03-05	364,996		0	38,081	10	38,081	10
04-06	367,295		0	58,344	16	58,344	16

ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES						
05-07	392,692		0	83,054	21	83,054	21
06-08	403,983		0	72,441	18	72,441	18
07-09	425,882		0	66,467	16	66,467	16
08-10	453,916		0	45,560	10	45,560	10
09-11	425,113		0	38,686	9	38,686	9
10-12	361,263		0	28,502	8	28,502	8
11-13	193,692		0	18,740	10	18,740	10
12-14	89,622		0	8,272	9	8,272	9
13-15	167,483		0	13,287	8	13,287	8
14-16	450,969		0	25,041	6	25,041	6
15-17	729,876		0	46,087	6	46,087	6
FIVE-YEA	R AVERAGE						
13-17	457,994		0	30,152	7	30,152	7



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1992	2,368,190		0	446,644	19	446,644	19
1993	801,314		0	105,108	13	105,108	13
1994	2,492,914	3,961	0	738,792	30	734,831	29
1995	2,209,952	14,241	1	499,840	23	485,600	22
1996	2,055,931	20,483	1	522,543	25	502,060	24
1997	4,033,931	5,779-	- 0	714,040	18	719,819	18
1998	2,378,347	6,470	0	569,592	24	563,122	24
1999	2,364,188		0	462,696	20	462,696	20
2000	6,481,459		0	798,646	12	798,646	12
2001	2,378,397		0	493,201	21	493,201	21
2002	1,874,680		0	122,669	7	122,669	7
2003	3,871,820		0	1,031,288	27	1,031,288	27
2004	5,370,915		0	539,742	10	539,742	10
2005	5,805,482		0	658,300	11	658,300	11
2006	2,984,682		0	560,610	19	560,610	19
2007	6,785,870	37,353	1	971,006	14	933,653	14
2008	1,914,870		0	127,999	7	127,999	7
2009	1,365,313	15,810	1	209,297	15	193,487	14
2010	2,667,148		0	784,769	29	784,769	29
2011	3,398,189		0	767,366	23	767,366	23
2012	3,427,175	88,685	3	540,687	16	452,002	13
2013	1,189,206		0	327,427	28	327,427	28
2014	2,715,484		0	376,104	14	376,104	14
2015	4,486,605	34,411	1	1,676,123	37	1,641,712	37
2016	2,242,886		0	285,899	13	285,899	13
2017	2,378,885		0	187,800	8	187,800	8
TOTAL	80,043,833	215,635	0	14,518,189	18	14,302,554	18
THREE-YE	AR MOVING AVERAG	ES					
92-94	1,887,473	1,320	0	430,181	23	428,861	23
93-95	1,834,727	6,067	0	447,913	24	441,846	24
94-96	2,252,932	12,895	1	587,058	26	574,163	25
95-97	2,766,604	9,648	0	578,808	21	569,159	21
96-98	2,822,736	7,058	0	602,058	21	595,000	21
97-99	2,925,489	231	0	582,110	20	581,879	20
98-00	3,741,332	2,157	0	610,311	16	608,155	16
99-01	3,741,348		0	584,848	16	584,848	16
00-02	3,578,179		0	471,506	13	471,506	13
01-03	2,708,299		0	549,053	20	549,053	20
02-04	3,705,805		0	564,566	15	564,566	15



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
03-05	5,016,072		0	743,110	15	743,110	15
04-06	4,720,360		0	586,217	12	586,217	12
05-07	5,192,011	12,451	0	729,972	14	717,521	14
06-08	3,895,141	12,451	0	553,205	14	540,754	14
07-09	3,355,351	17,721	1	436,101	13	418,380	12
08-10	1,982,444	5,270	0	374,022	19	368,752	19
09-11	2,476,883	5,270	0	587,144	24	581,874	23
10-12	3,164,170	29,562	1	697,607	22	668,046	21
11-13	2,671,523	29,562	1	545,160	20	515,599	19
12-14	2,443,955	29,562	1	414,739	17	385,178	16
13-15	2,797,098	11,470	0	793,218	28	781,748	28
14-16	3,148,325	11,470	0	779,375	25	767,905	24
15-17	3,036,125	11,470	0	716,607	24	705,137	23
FIVE-YEA	R AVERAGE						
13-17	2,602,613	6,882	0	570,671	22	563,788	22



IDAHO PROPERTY



ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT	PCT
2002	2,345		0	0		0
2003	2,313		Ü	v		Ü
2004						
2005			0	0		0
2006						
2007	474	141	30	0	141-	30-
2008						
2009						
2010						
2011						
2012		2,455			2,455-	
2013	7,286		0	0		0
2014						
2015	2,877		0	0		0
2016	13,025	3,165	24	0	3,165-	24-
2017						
TOTAL	26,007	5,761	22	0	5,761-	22-
THREE-YE	AR MOVING AVERAG	ES				
02-04	782		0	0		0
03-05			0	0		0
04-06			0	0		0
05-07	158	47	30	0	47-	30-
06-08	158	47	30	0	47-	30-
07-09	158	47	30	0	47-	30-
08-10						
09-11						
10-12		818			818-	
11-13	2,429	818	34	0	818-	34-
12-14	2,429	818	34	0	818-	34-
13-15	3,388		0	0		0
14-16	5,300	1,055	20	0	1,055-	
15-17	5,300	1,055	20	0	1,055-	20-
FIVE-YEA	R AVERAGE					
13-17	4,638	633	14	0	633-	14-
T 2 - T 1	7,030	033	7.4	0	033-	T.4-



ACCOUNT 362 STATION EQUIPMENT

VEND	REGULAR	COST OF REMOVAL	DOM	GROSS SALVAGE	DOM	NET SALVAGE	раш
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2000	29,982		0		0		0
2001	298,715	23,333	8		0	23,333-	8 –
2002	393,076	22,816	6		0	22,816-	6-
2003	113,217	9,711	9		0	9,711-	9 –
2004	333,335	11,484	3	24,293	7	12,809	4
2005	280,068	53,753	19		0	53,753-	19-
2006	155,863	19,519	13		0	19,519-	13-
2007	40,336	6,642	16		0	6,642-	16-
2008	193,996	39,784	21		0	39,784-	21-
2009	261,616	67,567	26		0	67,567-	26-
2010	112,811	17,749	16		0	17,749-	16-
2011	286,806	76,176	27		0	76,176-	27-
2012	60,569	87,510	144		0	87,510-	144-
2013	69,290	7,420	11		0	7,420-	11-
2014	980,498	180,333	18	16,147	2	164,186-	17-
2015	227,170	11,693	5		0	11,693-	5 –
2016	108,084	45,768	42	3,397	3	42,371-	39-
2017	109,868	64,832	59	2,147	2	62,684-	57-
TOTAL	4,055,302	746,088	18	45,984	1	700,104-	17-
THREE-YE	AR MOVING AVERAGI	ES					
00-02	240,591	15,383	6		0	15,383-	6-
01-03	268,336	18,620	7		0	18,620-	7 –
02-04	279,876	14,670	5	8,098	3	6,573-	2-
03-05	242,207	24,983	10	8,098	3	16,885-	7 –
04-06	256,422	28,252	11	8,098	3	20,154-	8 –
05-07	158,756	26,638	17		0	26,638-	17-
06-08	130,065	21,982	17		0	21,982-	17-
07-09	165,316	37,998	23		0	37,998-	23-
08-10	189,475	41,700	22		0	41,700-	22-
09-11	220,411	53,830	24		0	53,830-	24-
10-12	153,396	60,478	39		0	60,478-	39-
11-13	138,889	57,035	41		0	57,035-	41-
12-14	370,119	91,754	25	5,382	1	86,372-	23-
13-15	425,653	66,482	16	5,382	1	61,100-	14-



ACCOUNT 362 STATION EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	438,584	79,265	18	6,515	1	72,750-	17-
15-17	148,374	40,764	27	1,848	1	38,916-	26-
FIVE-YEA	R AVERAGE						
13-17	298,982	62,009	21	4,338	1	57,671-	19-



ACCOUNT 364 POLES, TOWERS, AND FIXTURES

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1999		288,981		8,361		280,621-	
2000	1,142,620	494,279	43	13,381	1	480,898-	42-
2001	516,874	258,800	50	12,725	2	246,075-	48-
2002	401,697	379,842	95	7,376	2	372,465-	93-
2003	523,375	449,419	86	56,844	11	392,575-	75-
2004	493,986	467,837	95	55,372	11	412,465-	83-
2005	547,490	561,223	103	40,397	7	520,826-	95-
2006	561,614	369,626	66	19,005	3	350,621-	62-
2007	357,366	382,648	107	23,295	7	359,353-	101-
2008	559,324	568,547	102	84,346	15	484,201-	87-
2009	378,721	452,507	119	39,615	10	412,892-	109-
2010	246,950	441,179	179	21,522	9	419,658-	170-
2011	420,913	641,380	152	10,232	2	631,148-	150-
2012	262,896	278,457	106	48,187	18	230,271-	88-
2013	238,470	352,463	148	20,852	9	331,612-	139-
2014	377,624	599,490	159	18,810	5	580,680-	154-
2015	369,190	564,702	153	26,430	7	538,272-	146-
2016	326,815	426,986	131	54,580	17	372,406-	114-
2017	333,937	419,798	126	76,996	23	342,803-	103-
TOTAL	8,059,858	8,398,164	104	638,324	8	7,759,840-	96-
THREE-YEA	R MOVING AVERAG	ES					
99-01	553,165	347,353	63	11,489	2	335,864-	61-
00-02	687,063	377,640	55	11,161	2	366,479-	53-
01-03	480,648	362,687	75	25,648	5	337,038-	70-
02-04	473,019	432,366	91	39,864	8	392,502-	83-
03-05	521,617	492,826	94	50,871	10	441,955-	85-
04-06	534,363	466,228	87	38,258	7	427,971-	80-
05-07	488,823	437,832	90	27,566	6	410,267-	84-
06-08	492,768	440,274	89	42,215	9	398,058-	81-
07-09	431,803	467,901	108	49,085	11	418,815-	97-
08-10	394,998	487,411	123	48,494	12	438,917-	111-
09-11	348,861	511,689	147	23,790	7	487,899-	140-
10-12	310,253	453,672	146	26,647	9	427,025-	138-
11-13	307,426	424,100	138	26,424	9	397,677-	129-
12-14	292,997	410,137	140	29,283	10	380,854-	130-
13-15	328,428	505,552	154	22,030	7	483,521-	147-



ACCOUNT 364 POLES, TOWERS, AND FIXTURES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	357,876	530,393	148	33,273	9	497,119-	139-
15-17	343,314	470,495	137	52,669	15	417,827-	122-
FIVE-YEAD	R AVERAGE						
13-17	329,207	472,688	144	39,533	12	433,154-	132-



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

		COST OF		GROSS		NET	
XE V D	REGULAR	REMOVAL	DOM	SALVAGE	Dam	SALVAGE	Dam
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1999		96,327		13,669		82,658-	
2000	413,150	32,463	8	22,222	5	10,241-	2-
2001	239,825	25,596	11	25,836	11	241	0
2002	181,216	102,384	56	3,572	2	98,812-	55-
2003	232,506	80,015	34	20,910	9	59,105-	25-
2004	230,789	73,722	32	25,110	11	48,611-	21-
2005	229,044	158,976	69	21,653	9	137,322-	60-
2006	251,800	77,107	31	7,720	3	69,387-	28-
2007	147,161	78,996	54	12,696	9	66,300-	45-
2008	570,275	153,732	27	31,819	6	121,913-	21-
2009	153,913	80,933	53	26,826	17	54,107-	35-
2010	117,092	164,082	140	7,835	7	156,246-	133-
2011	562,814	85,921	15	2,774	0	83,147-	15-
2012	132,385	101,962	77	19,083	14	82,879-	63-
2013	82,115	81,239	99	12,867	16	68,372-	83-
2014	81,733	53,659	66	7,470	9	46,190-	57-
2015	111,678	82,479	74	11,056	10	71,423-	64-
2016	146,077	73,440	50	25,331	17	48,109-	33-
2017	39,453	99,451	252	8,818	22	90,632-	230-
TOTAL	3,923,028	1,702,483	43	307,269	8	1,395,214-	36-
THREE-YEA	R MOVING AVERAG	ES					
			0.4	00 556	•	20.006	7.4
99-01	217,659	51,462	24	20,576	9	30,886-	14-
00-02	278,064	53,481	19	17,210	6	36,271-	13-
01-03	217,849	69,332	32	16,773	8	52,559-	24-
02-04	214,837	85,374	40	16,531	8	68,843-	32-
03-05	230,780	104,237	45	22,558	10	81,680-	35-
04-06	237,211	103,268	44	18,161	8	85,107-	36-
05-07	209,335	105,026	50	14,023	7	91,003-	43-
06-08	323,079	103,278	32	17,412	5	85,867-	27-
07-09	290,450	104,554	36	23,780	8	80,774-	28-
08-10	280,427	132,916	47	22,160	8	110,756-	39-
09-11	277,940	110,312	40	12,479	4	97,833-	35-
10-12	270,764	117,322	43	9,898	4	107,424-	40-
11-13	259,105	89,707	35	11,575	4	78,133-	30-
12-14	98,744	78,954	80	13,140	13	65,814-	67-
13-15	91,842	72,459	79	10,464	11	61,995-	68-



ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	113,163	69,860	62	14,619	13	55,240-	49-
15-17	99,070	85,123	86	15,069	15	70,055-	71-
FIVE-YEA	R AVERAGE						
13-17	92,211	78,054	85	13,108	14	64,945-	70-



ACCOUNT 366 UNDERGROUND CONDUIT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1999		948				948-	
2000	8,930	9,517	107	60	1	9,457-	106-
2001	1,147	1,583	138		0	1,583-	138-
2002	6,429	2,201	34	14	0	2,187-	34-
2003	5,761	4,032	70	778	14	3,254-	56-
2004	11,761	6,754	57	2,110	18	4,643-	39-
2005	15,899	10,218	64	1,659	10	8,559-	54-
2006	27,677	3,967	14	328	1	3,639-	13-
2007	968-	9,606	992-	1,636	169-	7,970-	823
2008	33,019	6,097	18	3,254	10	2,843-	9 –
2009	15,122	9,251	61	4,985	33	4,266-	28-
2010	3,998	1,290	32	824	21	467-	12-
2011	5,197	5,565	107	217	4	5,348-	103-
2012	11,453	4,693	41	605	5	4,088-	36-
2013	18,908	5,852	31	5,201	28	651-	3 –
2014	8,862	6,983	79	4,125	47	2,858-	32-
2015	12,465	10,813	87	236	2	10,577-	85-
2016	24,742	16,171	65	2,602	11	13,569-	55-
2017	15,064	8,197	54	229	2	7,969-	53-
TOTAL	225,465	123,738	55	28,863	13	94,875-	42-
THREE-YEA	AR MOVING AVERAGE	ls					
99-01	3,359	4,016	120	20	1	3,996-	119-
00-02	5,502	4,434	81	24	0	4,409-	80-
01-03	4,446	2,605	59	264	6	2,341-	53-
02-04	7,984	4,329	54	967	12	3,361-	42-
03-05	11,140	7,001	63	1,516	14	5,485-	49-
04-06	18,446	6,979	38	1,366	7	5,614-	30-
05-07	14,202	7,930	56	1,208	9	6,722-	47-
06-08	19,909	6,557	33	1,739	9	4,817-	24-
07-09	15,724	8,318	53	3,292	21	5,026-	32-
08-10	17,380	5,546	32	3,021	17	2,525-	15-
09-11	8,106	5,369	66	2,009	25	3,360-	41-
10-12	6,883	3,849	56	548	8	3,301-	48-
11-13	11,853	5,370	45	2,008	17	3,362-	28-
12-14	13,074	5,843	45	3,310	25	2,532-	19-
13-15	13,412	7,883	59	3,187	24	4,695-	35-



ACCOUNT 366 UNDERGROUND CONDUIT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	15,356	11,322	74	2,321	15	9,001-	59-
15-17	17,423	11,727	67	1,022	6	10,705-	61-
FIVE-YEA	R AVERAGE						
13-17	16,008	9,603	60	2,479	15	7,125-	45-



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1999		316				316-	
2000	16,469	508	3	121	1	387-	2-
2001	455-	32	7 –		0	32-	7
2002	38,871	4,556	12		0	4,556-	12-
2003	9,060	4,003	44	515	6	3,489-	39-
2004	44,686	6,758	15	5,798	13	960-	2-
2005	44,313	11,502	26	80	0	11,422-	26-
2006	24,596	5,748	23	2,416-	10-	8,164-	33-
2007	49,889	17,203	34	10,469	21	6,734-	13-
2008	45,818	8,500	19	87	0	8,413-	18-
2009	38,721	12,123	31	7,646	20	4,477-	12-
2010	4,876	6,583	135		0	6,583-	135-
2011	82,988	15,186	18	356	0	14,829-	18-
2012	58,020	2,101	4	244	0	1,857-	3 –
2013	24,367	7,955	33	915	4	7,040-	29-
2014	18,501	8,489	46	2,493	13	5,996-	32-
2015	25,074	7,836	31	277	1	7,559-	30-
2016	7,747	1,475	19		0	1,475-	19-
2017	78,826	9,837	12		0	9,837-	12-
TOTAL	612,369	130,710	21	26,584	4	104,126-	17-
THREE-YE	AR MOVING AVERAGE	IS					
99-01	5,338	285	5	40	1	245-	5-
00-02	18,295	1,699	9	40	0	1,658-	9-
01-03	15,825	2,864	18	172	1	2,692-	17-
02-04	30,872	5,106	17	2,104	7	3,001-	10-
03-05	32,686	7,421	23	2,131	7	5,290-	16-
04-06	37,865	8,003	21	1,154	3	6,849-	18-
05-07	39,599	11,484	29	2,711	7	8,773-	22-
06-08	40,101	10,484	26	2,713	7	7,770-	19-
07-09	44,810	12,609	28	6,067	14	6,541-	15-
08-10	29,805	9,069	30	2,578	9	6,491-	22-
09-11	42,195	11,297	27	2,667	6	8,630-	20-
10-12	48,628	7,957	16	200	0	7,757-	16-
11-13	55,125	8,414	15	505	1	7,909-	14-
12-14	33,629	6,182	18	1,217	4	4,964-	15-
13-15	22,647	8,093	36	1,228	5	6,865-	30-



ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE.	AR MOVING AVERAGES						
14-16	17,107	5,933	35	923	5	5,010-	29-
15-17	37,216	6,382	17	92	0	6,290-	17-
FIVE-YEA	R AVERAGE						
13-17	30,903	7,118	23	737	2	6,381-	21-



ACCOUNT 368 LINE TRANSFORMERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1999		1,281		68,177		66,896	
2000	418,219	2,643	1	190,560	46	187,916	45
2001	192,307	1,441	1	8,667	5	7,226	4
2002	243,329	89,439	37	19,082	8	70,357-	29-
2003	303,146	130,142	43	72,715	24	57,427-	19-
2004	301,897	118,291	39	100,848	33	17,443-	6-
2005	303,327	94,341	31	110,800	37	16,459	5
2006	269,108	102,465	38	97,846	36	4,619-	2-
2007	363,583	106,219	29	81,770	22	24,449-	7 –
2008	469,355	119,188	25	172,730	37	53,542	11
2009	307,688	104,380	34	48,358	16	56,022-	18-
2010	248,355	78,266	32	40,144	16	38,121-	15-
2011	222,317	119,352	54	80,917	36	38,435-	17-
2012	731,741	143,846	20	57,092	8	86,755-	12-
2013	336,117	114,745	34	95,101	28	19,644-	6-
2014	296,979	101,342	34	79,973	27	21,369-	7 –
2015	459,624	168,023	37	25,637	6	142,386-	31-
2016	386,268	141,643	37	79,391	21	62,252-	16-
2017	388,616	70,277	18	14,514	4	55,762-	14-
TOTAL	6,241,974	1,807,324	29	1,444,321	23	363,002-	6-
THREE-YEA	R MOVING AVERAG	ES					
99-01	203,509	1,788	1	89,135	44	87,346	43
00-02	284,618	31,175	11	72,770	26	41,595	15
01-03	246,261	73,674	30	33,488	14	40,186-	16-
02-04	282,791	112,624	40	64,215	23	48,409-	17-
03-05	302,790	114,258	38	94,788	31	19,470-	6-
04-06	291,444	105,032	36	103,165	35	1,868-	1-
05-07	312,006	101,008	32	96,805	31	4,203-	1-
06-08	367,348	109,291	30	117,449	32	8,158	2
07-09	380,208	109,929	29	100,953	27	8,976-	2-
08-10	341,799	100,611	29	87,077	25	13,534-	4 –
09-11	259,453	100,666	39	56,473	22	44,193-	17-
10-12	400,804	113,821	28	59,384	15	54,437-	14-
11-13	430,058	125,981	29	77,703	18	48,278-	11-
12-14	454,945	119,978	26	77,389	17	42,589-	9 –
13-15	364,240	128,037	35	66,904	18	61,133-	17-



ACCOUNT 368 LINE TRANSFORMERS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES	}					
14-16	380,957	137,003	36	61,667	16	75,335-	20-
15-17	411,503	126,647	31	39,848	10	86,800-	21-
FIVE-YEA	R AVERAGE						
13-17	373,521	119,206	32	58,923	16	60,283-	16-



ACCOUNT 369 SERVICES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2000	4,714	473	10		0	473-	10-
2001	3,072	298	10		0	298-	10-
2002	1,177	2,689	228	19	2	2,670-	227-
2003	16,552	5,010	30	1,059	6	3,950-	24-
2004	54,658	3,994	7	2,754	5	1,240-	2-
2005	27,111	5,533	20	1,898	7	3,635-	13-
2006	19,052	4,581	24	1,019	5	3,563-	19-
2007	24,308	9,359	39	3,772	16	5,588-	23-
2008	46,278	16,982	37	4,095	9	12,887-	28-
2009	29,612	19,708	67	4,279	14	15,429-	52-
2010	25,376	14,353	57	4,898	19	9,454-	37-
2011	19,708	12,436	63	1,416	7	11,020-	56-
2012	22,993	16,990	74	4,594	20	12,396-	54-
2013	26,110	16,358	63	8,032	31	8,325-	32-
2014	24,194	15,026	62	1,294	5	13,732-	57-
2015	24,772	21,442	87	1,384	6	20,058-	81-
2016	41,031	17,939	44	16,334	40	1,606-	4 –
2017	24,790	12,782	52	2,284	9	10,498-	42-
TOTAL	435,507	195,951	45	59,130	14	136,821-	31-
THREE-YEA	AR MOVING AVERAGE	ES					
00-02	2,988	1,153	39	6	0	1,147-	38-
01-03	6,934	2,665	38	359	5	2,306-	33-
02-04	24,129	3,898	16	1,277	5	2,620-	11-
03-05	32,774	4,846	15	1,904	6	2,942-	9 –
04-06	33,607	4,703	14	1,890	6	2,813-	8 –
05-07	23,490	6,491	28	2,229	9	4,262-	18-
06-08	29,879	10,308	34	2,962	10	7,346-	25-
07-09	33,399	15,350	46	4,049	12	11,301-	34-
08-10	33,755	17,014	50	4,424	13	12,590-	37-
09-11	24,899	15,499	62	3,531	14	11,968-	48-
10-12	22,692	14,593	64	3,636	16	10,957-	48-
11-13	22,937	15,261	67	4,681	20	10,580-	46-
12-14	24,432	16,124	66	4,640	19	11,484-	47-
13-15	25,025	17,608	70	3,570	14	14,038-	56-



ACCOUNT 369 SERVICES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	29,999	18,136	60	6,337	21	11,798-	39-
15-17	30,198	17,388	58	6,667	22	10,720-	36-
FIVE-YEA	R AVERAGE						
13-17	28,179	16,709	59	5,866	21	10,844-	38-



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2000	4,229	57	1		0	57-	1-
2001	1,119	435	39		0	435-	39-
2002		113				113-	
2003	777		0		0		0
2004	772	527	68		0	527-	68-
2005	646	447	69		0	447-	69-
2006	306		0		0		0
2007	1,347-	57	4 –		0	57-	4
2008	3,688-		0		0		0
2009	415	559	135		0	559-	135-
2010	223	103	46		0	103-	46-
2011	223	309	138		0	309-	138-
2012	1,035	1,153	111	358	35	794-	77-
2013	403	359	89		0	359-	89-
2014							
2015	175	170	97		0	170-	97-
2016							
2017	1,257	84	7		0	84-	7 –
TOTAL	6,547	4,373	67	358	5	4,015-	61-
THREE-YEA	AR MOVING AVERAGE	S					
00-02	1,783	202	11		0	202-	11-
01-03	632	183	29		0	183-	29-
02-04	516	213	41		0	213-	41-
03-05	732	324	44		0	324-	44-
04-06	575	324	56		0	324-	56-
05-07	132-	168	128-		0	168-	128
06-08	1,576-	19	1-		0	19-	1
07-09	1,540-	205	13-		0	205-	13
08-10	1,017-	221	22-		0	221-	22
09-11	287	324	113		0	324-	113-
10-12	494	522	106	120	24	402-	81-
11-13	554	607	110	120	22	488-	88-
12-14	479	504	105	120	25	385-	80-
13-15	193	177	92		0	177-	92-



ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT PCT
THREE-YE	AR MOVING AVERAGES				
14-16	58	57	97	0	57- 97-
15-17	477	85	18	0	85- 18-
FIVE-YEAR	R AVERAGE				
13-17	367	123	33	0	123- 33-



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2000	7,954	1,164-	- 15-		0	1,164	15
2001	8,714	271	3		0	271-	3-
2002	9,775	2,071	21	42	0	2,028-	21-
2003	5,151	2,973	58	80	2	2,893-	56-
2004	1,807	1,433	79	434	24	999-	55-
2005	2,748	669	24		0	669-	24-
2006	3,101	1,584	51	25	1	1,559-	50-
2007	1,487-	1,051	71-	290	20-	761-	51
2008	3,628	211	6		0	211-	6-
2009	9,338	1,665	18	916	10	749-	8-
2010	6,428	2,480	39	1,372	21	1,108-	17-
2011	3,947	1,059	27	154	4	905-	23-
2012	3,320	1,108	33	456	14	652-	20-
2013	2,826	827	29	12	0	815-	29-
2014	2,552	897	35	44	2	854-	33-
2015	7,421	4,017	54		0	4,017-	54-
2016	3,890	995	26		0	995-	26-
2017	7,131	495	7		0	495-	7-
TOTAL	88,244	22,642	26	3,825	4	18,817-	21-
THREE-YE	AR MOVING AVERAGE	ES					
00-02	8,815	393	4	14	0	379-	4-
01-03	7,880	1,772	22	41	1	1,731-	22-
02 - 04	5,578	2,159	39	186	3	1,973-	35-
03-05	3,235	1,692	52	171	5	1,520-	47-
04-06	2,552	1,228	48	153	6	1,075-	42-
05-07	1,454	1,101	76	105	7	996-	68-
06-08	1,747	949	54	105	6	843-	48-
07-09	3,826	976	26	402	11	574-	15-
08-10	6,465	1,452	22	763	12	690-	11-
09-11	6,571	1,735	26	814	12	921-	14-
10-12	4,565	1,549	34	660	14	889-	19-
11-13	3,364	998	30	207	6	791-	24-
12-14	2,899	944	33	171	6	774-	27-
13-15	4,266	1,914	45	19	0	1,895-	44-



ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	4,621	1,970	43	15	0	1,955-	42-
15-17	6,147	1,836	30		0	1,836-	30-
FIVE-YEA	R AVERAGE						
13-17	4,764	1,446	30	11	0	1,435-	30-



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE	NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT	PCT
2003	18,560	19,887	107	0	19,887-	107-
2004	48,856	6,943	14	0	6,943-	14-
2005	107,625	26,284	24	0	26,284-	24-
2006	51,700	12,651	24	0	12,651-	24-
2007	170,416	52,007	31	0	52,007-	31-
2008	196,800	852	0	0	852-	0
2009	47,548	760	2	0	760-	2-
2010	585	146	25	0	146-	25-
2011	76,759	10,026	13	0	10,026-	13-
2012	11,386	1,972	17	0	1,972-	17-
2013	56,328	12,978	23	0	12,978-	23-
2014	53,300	31,165	58	0	31,165-	58-
2015	120,319	549	0	0	549-	0
2016	65,325-	39,086	60-	0	39,086-	60
2017	17,460	9,260	53	0	9,260-	53-
TOTAL	912,315	224,565	25	0	224,565-	25-
THREE-YEA	R MOVING AVERAGE	IS				
03-05	58,347	17,705	30	0	17,705-	30-
04-06	69,394	15,293	22	0	15,293-	22-
05-07	109,914	30,314	28	0	30,314-	28-
06-08	139,639	21,837	16	0	21,837-	16-
07-09	138,254	17,873	13	0	17,873-	13-
08-10	81,644	586	1	0	586-	1-
09-11	41,630	3,644	9	0	3,644-	9-
10-12	29,576	4,048	14	0	4,048-	14-
11-13	48,157	8,325	17	0	8,325-	17-
12-14	40,338	15,372	38	0	15,372-	38-
13-15	76,649	14,897	19	0	14,897-	19-
14-16	36,098	23,600	65	0	23,600-	65-
15-17	24,151	16,298	67	0	16,298-	67-
FIVE-YEAR	AVERAGE					
13-17	36,416	18,607	51	0	18,607-	51-



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

		COST OF		GROSS		NET	
VEND	REGULAR	REMOVAL	DOM	SALVAGE	DOM	SALVAGE	DOTT
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1999	120,045		0	6,759	6	6,759	6
2000	187,632		0	11,726	6	11,726	6
2001	126,057		0	8,544	7	8,544	7
2002	254,494		0	24,483	10	24,483	10
2003	39,003		0	692	2	692	2
2004	64,870		0	3,100	5	3,100	5
2005	179,802		0	32,048	18	32,048	18
2006	89,374		0	7,323	8	7,323	8
2007	50,566		0	2,448	5	2,448	5
2008	142,770		0	28,273	20	28,273	20
2009	220,081		0	9,562	4	9,562	4
2010	141,653		0	12,629	9	12,629	9
2011	23,650		0	2,121	9	2,121	9
2012	51,093		0	1,754	3	1,754	3
2013	69,275		0	4,760	7	4,760	7
2014	28,164		0	1,064	4	1,064	4
2015	91,421		0	5,733	6	5,733	6
2016	48,264		0	1,500	3	1,500	3
2017	8,090		0	1,700	21	1,700	21
TOTAL	1,936,302		0	166,219	9	166,219	9
THREE-YEA	AR MOVING AVERAG	ES					
99-01	144,578		0	9,010	6	9,010	6
00-02	189,394		0	14,918	8	14,918	8
01-03	139,851		0	11,240	8	11,240	8
02-04	119,456		0	9,425	8	9,425	8
03-05	94,558		0	11,947	13	11,947	13
04-06	111,349		0	14,157	13	14,157	13
05-07	106,581		0	13,940	13	13,940	13
06-08	94,237		0	12,681	13	12,681	13
07-09	137,806		0	13,428	10	13,428	10
08-10	168,168		0	16,821	10	16,821	10
09-11	128,461		0	8,104	6	8,104	6
10-12	72,132		0	5,501	8	5,501	8
11-13	48,006		0	2,878	6	2,878	6
12-14	49,511		0	2,526	5	2,526	5
13-15	62,953		0	3,852	6	3,852	6



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	CAR MOVING AVERAGES						
14-16	55,949		0	2,766	5	2,766	5
15-17	49,258		0	2,978	6	2,978	6
FIVE-YEA	AR AVERAGE						
13-17	49,043		0	2,951	6	2,951	6



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

	REGULAR	COST OF REMOVAL	GROSS SALVAGE	2	NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT PCT	AMOUNT	PCT	AMOUNT	PCT
1999	147,163	C	8,286	6	8,286	6
2000	162,468	C	10,258	6	10,258	6
2001	14,438	C	979	7	979	7
2002	205,218	C	29,898	15	29,898	15
2003	7,197	C	700	10	700	10
2004	128,809	C	26,045	20	26,045	20
2005	120,549	C	24,231	20	24,231	20
2006	235,560	C	21,693	9	21,693	9
2007	42,915	C	5,672	13	5,672	13
2008	34,983	C	761	2	761	2
2009	107,554	C	6,522	6	6,522	6
2010	29,744	C	2,895	10	2,895	10
2011						
2012	20,385	C	494	2	494	2
2013	47,113	C	2,424	5	2,424	5
2014			632-	-	632-	-
2015	81,971	C	3,823	5	3,823	5
2016						
2017	45,223	C	800	2	800	2
TOTAL	1,431,288	C	144,848	10	144,848	10
THREE-YE	AR MOVING AVERAG	ES				
99-01	108,023	C	6,508	6	6,508	6
00-02	127,375	0	13,712	11	13,712	11
01-03	75,618	0	10,525	14	10,525	14
02-04	113,741	0	18,881	17	18,881	17
03-05	85,518	0	16,992	20	16,992	20
04-06	161,639	0	23,990	15	23,990	15
05-07	133,008	0	17,199	13	17,199	13
06-08	104,486	C	9,375	9	9,375	9
07-09	61,817	C	4,318	7	4,318	7
08-10	57,427	C	3,393	6	3,393	6
09-11	45,766	C	3,139	7	3,139	7
10-12	16,709	C	1,130	7	1,130	7
11-13	22,499	C	972	4	972	4
12-14	22,499	C	762	3	762	3
13-15	43,028	C	1,872	4	1,872	4



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

		COST O	F	GROSS		NET	
	REGULAR	REMOVA	L	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	EAR MOVING AVERAGES	3					
14-16	27,324		0	1,064	4	1,064	4
15-17	42,398		0	1,541	4	1,541	4
FIVE-YEA	AR AVERAGE						
13-17	34,861		0	1,283	4	1,283	4



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1999	28,768		0	3,240	11	3,240	11
2000	20,100		0	2,538	13	2,538	13
2001	48,542		0	6,580	14	6,580	14
2002	43,366		0	6,728	16	6,728	16
2003	975		0	668-	69-	668-	69-
2004	10,154		0	4,184	41	4,184	41
2005	46,548		0		0		0
2006	6,839		0	1,787	26	1,787	26
2007	5,513		0	2,178	40	2,178	40
2008	7,488		0	365	5	365	5
2009	32,733		0	2,202	7	2,202	7
2010							
2011				826-		826-	
2012				250-		250-	
2013				50		50	
2014	15,168		0	402	3	402	3
2015				1,122		1,122	
2016							
2017				1,250		1,250	
TOTAL	266,194		0	30,883	12	30,883	12
THREE-YEA	R MOVING AVERAGE	S					
99-01	32,470		0	4,119	13	4,119	13
00-02	37,336		0	5,282	14	5,282	14
01-03	30,961		0	4,213	14	4,213	14
02-04	18,165		0	3,415	19	3,415	19
03-05	19,226		0	1,172	6	1,172	6
04-06	21,181		0	1,990	9	1,990	9
05-07	19,633		0	1,322	7	1,322	7
06-08	6,613		0	1,443	22	1,443	22
07-09	15,245		0	1,582	10	1,582	10
08-10	13,407		0	856	6	856	6
09-11	10,911		0	459	4	459	4
10-12				359-		359-	
11-13				342-		342-	
12-14	5,056		0	67	1	67	1
13-15	5,056		0	525	10	525	10



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	5,056		0	508	10	508	10
15-17				791		791	
FIVE-YEA	R AVERAGE						
13-17	3,034		0	565	19	565	19



ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2002	198,750		0	15,989	8	15,989	8
2003	193,370		0	1,033-	1-	1,033-	1-
2004	72,878		0	36,517	50	36,517	50
2005				1,781-		1,781-	
2006	118,098		0	17,256	15	17,256	15
2007	231,253		0	36,055	16	36,055	16
2008	214,108		0	36,510	17	36,510	17
2009	86,903		0	4,263	5	4,263	5
2010				2,174-		2,174-	
2011	237,223		0	16,628	7	16,628	7
2012	78,225		0	11,935	15	11,935	15
2013	74,878		0	9,667	13	9,667	13
2014							
2015	292,948		0	24,310	8	24,310	8
2016							
2017							
TOTAL	1,798,635		0	204,142	11	204,142	11
THREE-YE	AR MOVING AVERAG	ES					
02-04	154,999		0	17,158	11	17,158	11
03-05	88,749		0	11,235	13	11,235	13
04-06	63,659		0	17,331	27	17,331	27
05-07	116,450		0	17,177	15	17,177	15
06-08	187,820		0	29,940	16	29,940	16
07-09	177,422		0	25,609	14	25,609	14
08-10	100,337		0	12,866	13	12,866	13
09-11	108,042		0	6,239	6	6,239	6
10-12	105,149		0	8,796	8	8,796	8
11-13	130,109		0	12,743	10	12,743	10
12-14	51,035		0	7,201	14	7,201	14
13-15	122,609		0	11,325	9	11,325	9
14-16	97,649		0	8,103	8	8,103	8
15-17	97,649		0	8,103	8	8,103	8
FIVE-YEA	R AVERAGE						
13-17	73,565		0	6,795	9	6,795	9
	,		•	0,.55	_	0,.55	-



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1999	549,658		0	41,265	8	41,265	8
2000	1,034,165		0	86,466	8	86,466	8
2001	86,303		0	7,800	9	7,800	9
2002	254,341		0	59,850	24	59,850	24
2003	324,836		0	63,113	19	63,113	19
2004	168,799		0	57,310	34	57,310	34
2005	269,676		0	61,435	23	61,435	23
2006	48,751		0	8,584	18	8,584	18
2007	478,126		0	64,554	14	64,554	14
2008	398,699		0	35,681	9	35,681	9
2009				395-		395-	
2010	191,787		0	13,315	7	13,315	7
2011	474,241		0	44,516	9	44,516	9
2012	177,524		0	60,857	34	60,857	34
2013	91,660		0	31,748	35	31,748	35
2014	95,622		0		0		0
2015							
2016	480,260		0	21,750	5	21,750	5
2017							
TOTAL	5,124,447		0	657,849	13	657,849	13
THREE-YEA	R MOVING AVERAGES	5					
99-01	556,709		0	45,177	8	45,177	8
00-02	458,270		0	51,372	11	51,372	11
01-03	221,826		0	43,588	20	43,588	20
02-04	249,325		0	60,091	24	60,091	24
03-05	254,437		0	60,620	24	60,620	24
04-06	162,409		0	42,443	26	42,443	26
05-07	265,518		0	44,858	17	44,858	17
06-08	308,525		0	36,273	12	36,273	12
07-09	292,275		0	33,280	11	33,280	11
08-10	196,829		0	16,200	8	16,200	8
09-11	222,009		0	19,145	9	19,145	9
10-12	281,184		0	39,563	14	39,563	14
11-13	247,808		0	45,707	18	45,707	18
12-14	121,602		0	30,868	25	30,868	25
13-15	62,427		0	10,583	17	10,583	17



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

		COST O	F	GROSS		NET	
	REGULAR	REMOVA	L	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	CAR MOVING AVERAGES	3					
14-16	191,960		0	7,250	4	7,250	4
15-17	160,087		0	7,250	5	7,250	5
FIVE-YEA	AR AVERAGE						
13-17	133,508		0	10,700	8	10,700	8



METERS



PACIFICORP

ACCOUNT 370 METERS

		COST OF		GROSS		NET	
YEAR	REGULAR RETIREMENTS	REMOVAL AMOUNT	PCT	SALVAGE AMOUNT	PCT	SALVAGE AMOUNT	PCT
1992	1,968,204	15,973	1	11,440	1	4,533-	0
1993	2,118,982	2,098,750	99	580-	0	2,099,330-	99-
1994	456,650	61,980	14	2,267	0	59,713-	13-
1995	23,727	414,587		37,393	158	377,194-	
1996	1,074,010	70,634	7	1,215	0	69,419-	6 –
1997	1,500,714	944	0	470	0	474-	0
1998	1,319,278		0	16,408	1	16,408	1
1999	43,772		0	47,987	110	47,987	110
2000	7,570,542		0	627,003	8	627,003	8
2001	3,652,665		0	363,558	10	363,558	10
2002	5,158,603	143,982	3		0	143,982-	3 –
2003	4,313,018	120,918	3		0	120,918-	3 –
2004	4,667,840	293,579	6		0	293,579-	6 –
2005	7,235,823	298,728	4	500	0	298,227-	4 –
2006	4,984,649	150,981	3		0	150,981-	3 –
2007	26,835,453	504,327	2		0	504,327-	2-
2008	26,866,939	337,514	1	3,207	0	334,307-	1-
2009	8,588,002	391,536	5		0	391,536-	5 –
2010	25,174,967	192,826	1		0	192,826-	1-
2011	17,058,148	177,485	1	124,321	1	53,164-	0
2012	3,023,274	151,669	5	351	0	151,318-	5-
2013	3,870,794	170,878	4		0	170,878-	4 –
2014	2,830,608	187,788	7		0	187,788-	7 –
2015	2,789,132	229,484	8		0	229,484-	8 –
2016	3,217,586	351,188	11		0	351,188-	11-
2017	4,462,941	4,926	0		0	4,926-	0
	-,,	-,				-/	-
TOTAL	170,806,320	6,370,679	4	1,235,541	1	5,135,139-	3 –
THE TE VE	AR MOVING AVERAG	E C					
92-94	1,514,612	725,568	48	4,376	0	721,192-	48-
93-95	866,453	858,439	99	13,027	2	845,412-	98-
94-96	518,129	182,401	35	13,625	3	168,775-	33-
95-97	866,150	162,055	19	13,026	2	149,029-	17-
96-98	1,298,001	23,860	2	6,031	0	17,829-	1-
97-99	954,588	315	0	21,621	2	21,307	2
98-00	2,977,864		0	230,466	8	230,466	8
99-01	3,755,660		0	346,183	9	346,183	9
00-02	5,460,603	47,994	1	330,187	6	282,193	5
01-03	4,374,762	88,300	2	121,186	3	32,886	1
02-04	4,713,154	186,159	4		0	186,159-	4 –
03-05	5,405,560	237,741	4	167	0	237,575-	4-



PACIFICORP

ACCOUNT 370 METERS

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE:	S					
04-06	5,629,437	247,763	4	167	0	247,596-	4 –
05-07	13,018,641	318,012	2	167	0	317,845-	2-
06-08	19,562,347	330,941	2	1,069	0	329,872-	2-
07-09	20,763,465	411,126	2	1,069	0	410,057-	2-
08-10	20,209,970	307,292	2	1,069	0	306,223-	2-
09-11	16,940,373	253,949	1	41,440	0	212,509-	1-
10-12	15,085,463	173,993	1	41,557	0	132,436-	1-
11-13	7,984,072	166,677	2	41,557	1	125,120-	2-
12-14	3,241,558	170,112	5	117	0	169,995-	5-
13-15	3,163,511	196,050	6		0	196,050-	6-
14-16	2,945,775	256,153	9		0	256,153-	9 –
15-17	3,489,886	195,199	6		0	195,199-	6-
FIVE-YEA	R AVERAGE						
13-17	3,434,212	188,853	5		0	188,853-	5-



ARIZONA, COLORADO AND MONTANA PROPERTY



ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT PC	NET SALVAGE AMOUNT	PCT
1993		2,883			2,883-	
1994		·			·	
1995						
1996						
1997						
1998	107,839		0	()	0
1999						
2000						
2001						
2002	579		0	()	0
2003						
2004						
2005						
2006						
2007						
2008	407		0	,	.	0
2009 2010	427-		U	()	0
2010						
2011						
2012	5,116	224	4	(224-	4-
2013	3,110	221	-	· ·	, 221	-
2015						
2016						
2017						
TOTAL	113,107	3,107	3	(3,107-	3-
THREE-YE	AR MOVING AVERAGE	ES				
93-95		961			961-	
94-96						
95-97						
96-98	35,946		0)	0
97-99	35,946		0)	0
98-00	35,946		0	()	0
99-01	100					0
00-02	193		0			0
01-03	193		0			0
02-04 03-05	193		0)	0
03-05						
04-00						

ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS	NET	
	REGULAR	REMOVAL		SALVAGE	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT PCT	AMOUNT	PCT
THREE-YEA	AR MOVING AVERAGES					
05-07						
06-08						
07-09	142-		0	0		0
08-10	142-		0	0		0
09-11	142-		0	0		0
10-12						
11-13	1,705	75	4	0	75-	4-
12-14	1,705	75	4	0	75-	4 –
13-15	1,705	75	4	0	75-	4 –
14-16						
15-17						
FIVE-YEAR	R AVERAGE					
13-17	1,023	45	4	0	45-	4-



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

	REGULAR	COST OF REMOVAL	GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT PCT	AMOUNT	PCT	AMOUNT	PCT
1998	252,079	0	439	0	439	0
1999						
2000	16,057	0	545	3	545	3
2001	5,201	0	1,311	25	1,311	25
2002	23,340	0	6,125-	26-	6,125-	26-
2003	18,224	0		0		0
2004						
2005	14,823	0		31	4,534	31
2006	39,828	0	1,417	4	1,417	4
2007	5,368	0		0		0
2008	28,703	0	1,005	3	1,005	3
2009			1,252		1,252	
2010	5,855	0		92	5,380	92
2011	8,738	0		7	613	7
2012	17,699	0	·	9	1,563	9
2013	3,135	0		7	205	7
2014	8,865	0		69	6,099	69
2015	14,357	0		10	1,372	10
2016	2,820	0		23	635	23
2017	24,704	0	2,689	11	2,689	11
TOTAL	489,796	0	22,933	5	22,933	5
THREE-YE	EAR MOVING AVERAG	ES				
98-00	89,379	0	328	0	328	0
99-01	7,086	0	619	9	619	9
00-02	14,866	0	1,423-		1,423-	10-
01-03	15,588	0			1,605-	10-
02-04	13,855	0		15-	2,042-	15-
03-05	11,016	0		14	1,511	14
04-06	18,217	0		11	1,984	11
05-07	20,006	0		10	1,984	10
06-08	24,633	0			807	3
07-09	11,357	0		7	752	7
08-10	11,519	0		22	2,546	22
09-11	4,864	0		50	2,415	50
10-12	10,764	0	·	23	2,519	23
11-13	9,857	0		8	794	8
12-14	9,900	0		26	2,622	26
13-15	8,786	0	2,559	29	2,559	29



ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

		COST OF	7	GROSS		NET	
	REGULAR	REMOVAI	_	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	8,681		0	2,702	31	2,702	31
15-17	13,960		0	1,565	11	1,565	11
FIVE-YEA	R AVERAGE						
13-17	10,776		0	2,200	20	2,200	20



ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1998	114,584		0	71	0	71	0
1999	111/301		Ü	, _	Ü	, 1	Ü
2000	33,672		0		0		0
2001	14,426		0	3,636	25	3,636	25
2002	17,653		0	609	3	609	3
2003	9,338		0		0		0
2004	12,125		0	4,791	40	4,791	40
2005							
2006	2,695		0		0		0
2007	30,546		0		0		0
2008	31,869		0	120	0	120	0
2009							
2010	33,056		0		0		0
2011							
2012	12,563		0	3,066	24	3,066	24
2013				424		424	
2014	39,979		0	22,118	55	22,118	55
2015	8,179		0	772	9	772	9
2016							
2017							
TOTAL	360,684		0	35,607	10	35,607	10
THREE-YE	AR MOVING AVERAG	ES					
98-00	49,419		0	24	0	24	0
99-01	16,033		0	1,212	8	1,212	8
00-02	21,917		0	1,415	6	1,415	6
01-03	13,806		0	1,415	10	1,415	10
02-04	13,039		0	1,800	14	1,800	14
03-05	7,154		0	1,597	22	1,597	22
04-06	4,940		0	1,597	32	1,597	32
05-07	11,080		0		0		0
06-08	21,703		0	40	0	40	0
07-09	20,805		0	40	0	40	0
08-10	21,642		0	40	0	40	0
09-11	11,019		0		0		0
10-12	15,206		0	1,022	7	1,022	7
11-13	4,188		0	1,163	28	1,163	28
12-14	17,514		0	8,536	49	8,536	49
13-15	16,053		0	7,771	48	7,771	48



$\label{eq:pacificorp} \mbox{ ARIZONA, COLORADO AND MONTANA PROPERTY}$

ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

		COST OF	?	GROSS		NET	
	REGULAR	REMOVAI	_	SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
14-16	16,053		0	7,630	48	7,630	48
15-17	2,726		0	257	9	257	9
FIVE-YEA	R AVERAGE						
13-17	9,632		0	4,663	48	4,663	48



ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

	REGULAR	COST OF REMOVAL	GROSS SALVAGE	NET SALVAGE
YEAR	RETIREMENTS	AMOUNT PCT	AMOUNT PCT	AMOUNT PCT
1998	119,440	0	0	0
1999				
2000				
2001				
2002				
2003	540	0	0	0
2004				
2005				
2006				
2007				
2008	14,167	0	0	0
2009				
2010	30,240	0	0	0
2011				
2012				
2013				
2014				
2015				
2016				
2017				
TOTAL	164,387	0	0	0
THREE-YE	AR MOVING AVERAG	ES		
98-00	39,813	0	0	0
99-01				
00-02				
01-03	180	0	0	0
02-04	180	0	0	0
03-05	180	0	0	0
04-06				
05-07				
06-08	4,722	0	0	0
07-09	4,722	0	0	0
08-10	14,802	0	0	0
09-11	10,080	0	0	0
10-12	10,080	0	0	0
11-13				
12-14				
13-15				

ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

SUMMARY OF BOOK SALVAGE

		COST O	F	GROSS		NET	
	REGULAR	REMOVA	L	SALVAGE	€	SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT

THREE-YEAR MOVING AVERAGES

14-16

15-17

FIVE-YEAR AVERAGE

13-17



ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

XE AD	REGULAR	COST OF REMOVAL	GROSS SALVAGE	DOT	NET SALVAGE	DOT
YEAR	RETIREMENTS	AMOUNT PCT	AMOUNT	PCT	AMOUNT	PCT
1994	3,472	0		0		0
1995						
1996	64,605	0	22,612	35	22,612	35
1997						
1998	1,604,031	0	41,870	3	41,870	3
1999						
2000	99,405	0		0		0
2001	80,090	0		0		0
2002	63,590	0		0		0
2003	11,416	0		0		0
2004	28,129	0	8,147	29	8,147	29
2005	59,586	0		0		0
2006	3,843	0	983	26	983	26
2007						
2008	5,414	0		0		0
2009	11,641	0	2,122	18	2,122	18
2010	89,162	0	14,387	16	14,387	16
2011						
2012	16,358	0	1,978	12	1,978	12
2013	32,906	0	93,648	285	93,648	285
2014	288,805	0		0		0
2015	72,720	0	4,750	7	4,750	7
2016	10,721	0		0		0
2017						
TOTAL	2,545,894	0	190,496	7	190,496	7
THREE-YE	EAR MOVING AVERAGE	ES				
94-96	22,692	0	7,537	33	7,537	33
95-97	21,535	0	7,537	35	7,537	35
96-98	556,212	0	21,494	4	21,494	4
97-99	534,677	0	13,957	3	13,957	3
98-00	567,812	0	13,957	2	13,957	2
99-01	59,832	0		0		0
00-02	81,028	0		0		0
01-03	51,699	0		0		0
02-04	34,378	0	2,716	8	2,716	8
03-05	33,044	0	2,716	8	2,716	8
04-06	30,519	0	3,043	10	3,043	10
05-07	21,143	0	328	2	328	2
06-08	3,086	0	328	11	328	11
	-,	-		_		=

$\label{eq:pacificorp} \mbox{ ARIZONA, COLORADO AND MONTANA PROPERTY}$

ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

	REGULAR	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGES						
07-09	5,685		0	707	12	707	12
08-10	35,406		0	5,503	16	5,503	16
09-11	33,601		0	5,503	16	5,503	16
10-12	35,173		0	5,455	16	5,455	16
11-13	16,421		0	31,875	194	31,875	194
12-14	112,690		0	31,875	28	31,875	28
13-15	131,477		0	32,799	25	32,799	25
14-16	124,082		0	1,583	1	1,583	1
15-17	27,814		0	1,583	6	1,583	6
FIVE-YEA	R AVERAGE						
13-17	81,030		0	19,679	24	19,679	24



PART IX. DETAILED DEPRECIATION CALCULATIONS



PRODUCTION AND TRANSMISSION PLANT



ACCOUNT 310.2 LAND RIGHTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)				
INTERIN PROBABI	UNIT 4 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 4-2025								
2008 2012	1,201,891.85 166,573.53	678,432 71,407	404,972 42,624	796,920 123,949	7.33 7.33	108,720 16,910				
	1,368,465.38	749,839	447,596	920,869		125,630				
INTERIN PROBABI	DAVE JOHNSTON COMMON INTERIM SURVIVOR CURVE SQUARE PROBABLE RETIREMENT YEAR 12-2027 NET SALVAGE PERCENT 0									
1972 1992	94,403.45 5,566.81	77,394 3,999	65,565 3,388	28,838 2,179		2,884 218				
	99,970.26	81,393	68,953	31,017		3,102				
INTERIN PROBABI	COMMON M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204	2							
1978 1983	73,362.47 172,975.07	44,927 100,296	39,679 88,580	33,684 84,395		1,347 3,376				
	246,337.54	145,223	128,259	118,079		4,723				
INTERIN PROBABI	IDGER COMMON M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203	7							
1976 1979 1990	276,651.77 4,026.00 433.33	186,685 2,650 251	165,252 2,346 222	111,400 1,680 211		5,570 84 11				
	281,111.10	189,586	167,820	113,291		5,665				



ACCOUNT 310.2 LAND RIGHTS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)			
INTER PROB <i>I</i>	ITON COMMON RIM SURVIVOR CURV ABLE RETIREMENT Y SALVAGE PERCENT	EAR 12-202	29						
1963	15,015.87	12,306	10,023	4,993	12.00	416			
	15,015.87	12,306	10,023	4,993		416			
INTER PROB <i>I</i>	WYODAK PLANT INTERIM SURVIVOR CURVE SQUARE PROBABLE RETIREMENT YEAR 12-2039 NET SALVAGE PERCENT 0								
1978 1983	•	25,273 76,601	23,942 72,566	15,407 52,882		700 2,404			
	164,796.80	101,874	96,508	68,289		3,104			
INTER PROB <i>I</i>	DELL GEOTHERMALS RIM SURVIVOR CURV ABLE RETIREMENT Y SALVAGE PERCENT	YE SQUARE YEAR 12-203	37						
1990				8,575,370		428,768			
1991			8,993,653	4,459,765		222,988			
2001 2004		247,114 103,321	289,874 121,200	256,778 135,186	20.00	12,839 6,759			
	40,981,910.43	23,490,105	27,554,811	13,427,099		671,354			
	43,157,607.38	24,770,326	28,473,970	14,683,637		813,994			
	COMPOSITE REMAIN	NING LIFE AND	ANNUAL ACCRUA	L RATE, PERCEN	т 18.	0 1.89			



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CHOLLA	A UNIT 4					
	IM SURVIVOR CURV	7E IOWA 110-	-S0.5			
	BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-4				
1962	119,504.20	109,150	65,154	59,130	7.17	8,247
1978	4,961,206.10	4,334,729	2,587,501	2,572,153	7.22	356,254
1979	22,699.51	19,756	11,793	11,815	7.22	1,636
1980	2,717,317.85	2,354,802	1,405,637	1,420,374	7.23	196,456
1981	20,980,726.23	18,104,453	10,806,972	11,012,983	7.23	1,523,234
1982	2,408,516.19	2,068,987	1,235,027	1,269,830	7.23	175,633
1983	222,471.39	190,198	113,534	117,837	7.23	16,298
1984	21,025.42	17,880	10,673	11,193	7.24	1,546
1985	518,178.45	438,319	261,643	277,263	7.24	38,296
1986	12,943.00	10,887	6,499	6,962	7.24	962
1987	305,526.76	255,387	152,446	165,301	7.25	22,800
1988	421,226.09	349,877	208,850	229,225	7.25	31,617
1989	1,456,364.68	1,201,502	717,205	797,415	7.25	109,988
1990	18,070.73	14,801	8,835	9,958	7.25	1,374
1992	53,128.00	42,811	25,555	29,698	7.26	4,091
1994	353,760.45	279,752	166,991	200,920	7.27	27,637
1996	482,525.61	373,500	222,951	278,876	7.27	38,360
1999	31,031.85	23,074	13,773	18,500	7.28	2,541
2000	288,346.87	211,026	125,966	173,914	7.28	23,889
2001	3,822,489.83	2,749,101	1,641,003	2,334,387	7.28	320,658
2002	202,784.06	142,958	85,335	125,560	7.29	17,224
2003	491,244.05	338,866	202,277	308,617	7.29	42,334
2003	869,597.96	585,415	349,448	554,934	7.29	76,123
2005	248,651.25	162,903	97,241	161,357	7.29	22,134
2005	353,804.31	224,391	133,944	234,012	7.30	32,056
2007	7,320,094.69	4,478,440	2,673,286	4,939,613	7.30	676,659
2008	5,400,556.73	3,168,762	1,891,508	3,725,071	7.30	510,284
2009	767,898.79	428,696	255,899	542,716	7.30	74,345
2010	1,184,464.88	622,180	371,394	860,450	7.31	117,709
2011	1,707,060.77	833,559	497,571	1,277,772	7.31	174,798
2012	1,471,348.12	655,630	391,361	1,138,841	7.31	155,792
2013	3,348,249.18	1,325,004	790,926	2,691,253	7.31	368,160
2014	1,008,639.26	338,665	202,157	846,828	7.32	115,687
2015	866,063.87	228,617	136,467	764,240	7.32	104,404
2016	768,537.23	135,933	81,142	718,137	7.32	98,106
2017	72,606.86	4,828	2,882	72,629	7.32	9,922
	65,298,661.22	46,824,839	27,950,844	39,959,764		5,497,254



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	RIP GENERATING S IM SURVIVOR CURV		S0.5			
	BLE RETIREMENT Y		7			
NET SA	ALVAGE PERCENT	-7				
1984	36,594,279.32	30,033,342	22,509,640	16,646,239	9.82	1,695,136
1986	17,133,473.39	13,864,376	10,391,188	7,941,628	9.83	807,897
1987	64,871.20	52,099	39,048	30,365	9.83	3,089
1988	59,614.57	47,476	35,583	28,205	9.84	2,866
1989	113,324.43	89,490	67,072	54,185	9.84	5,507
1990	42,646.33	33,361	25,004	20,628	9.85	2,094
1992	96,284.64	73,801	55,313	47,712	9.86	4,839
1993	45,864.99	34,768	26,058	23,017	9.86	2,334
1994	28,436.28	21,291	15,957	14,469	9.87	1,466
1995	11,547.14	8,536	6,398 8,311	5,958	9.87	604
1996	15,216.84	11,089		7,971	9.88	807
1997 1998	169,930.26 6,949.67	121,985 4,906	91,426 3,677	90,399	9.88	9,150 380
1999	5,168.12	3,584	2,686	3,759 2,844	9.89 9.89	288
2000	19,091.87	12,979	2,666 9,728	10,701	9.89	1,081
2000	56,867.23	37,838	28,359	32,489	9.90	3,282
2001	14,294.74	9,285	6,959	8,336	9.90	841
2002	1,241,271.74	785,395	588,644	739,516	9.91	74,623
2003	31,715.98	19,475	14,596	19,340	9.92	1,950
2005	122,619.97	72,839	54,592	76,611	9.92	7,723
2005	612,838.91	350,466	262,670	393,067	9.93	39,584
2007	235,583.03	129,072	96,738	155,336	9.93	15,643
2008	83,924.87	43,718	32,766	57,033	9.94	5,738
2009	891,730.24	438,423	328,593	625,558	9.94	62,933
2010	83,744.32	38,366	28,755	60,852	9.95	6,116
2011	724,569.88	305,487	228,959	546,331	9.95	54,908
2012	591,184.18	224,656	168,377	464,190	9.95	46,652
2013	1,283,377.09	426,039	319,311	1,053,902	9.96	105,813
2014	161,250.12	44,770	33,555	138,983	9.96	13,954
2015	565,807.24	120,986	90,678	514,736	9.97	51,628
2016	373,032.96	52,200	39,123	360,022	9.97	36,111
2017	1,408,558.79	71,907	53,893	1,453,264	9.98	145,618
	62,889,070.34	47,584,005	35,663,657	31,627,648		3,210,655



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	UNIT 1 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1980	11,373,025.16	9,523,651	7,860,825	3,739,660	7.87	475,179
1982	3,123.00	2,590	2,138	1,048	7.88	133
1983	4,427.00	3,653	3,015	1,500	7.88	190
1985	30,953.00	25,251	20,842	10,730	7.89	1,360
1991	6,491.00	5,072	4,186	2,434	7.91	308
1995	1,951.91 72,700.40	1,466	1,210	781	7.92	99
1996 2005	21,180.74	53,951 13,164	44,531 10,866	29,623 10,739	7.92 7.95	3,740 1,351
2003	42,124.73	20,773	17,146	25,821	7.95	3,240
2010	67,782.86	30,978	25,569	43,569	7.97	5,467
2014	39,658.27	12,308	10,159	30,292	7.98	3,796
	37,000.27	12,500	10/100	33,232	,,,,	37.20
	11,663,418.07	9,692,857	8,000,488	3,896,198		494,863
INTERI PROBAE	UNIT 2 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1979	11,559,388.00	9,515,466	7,854,070	3,936,506	8.83	445,810
1982	2,834.00	2,297	1,896	995	8.84	113
1983	8,821.00	7,108	5,867	3,130	8.85	354
1985	29,379.00	23,383	19,300	10,666	8.86	1,204
1991	6,110.00	4,640	3,830	2,402	8.88	270
1994	4,918.21	3,618	2,986	2,030	8.90	228
1995	7,782.00	5,657	4,669	3,268	8.90	367
2005	21,076.42	12,488	10,308	11,190	8.94	1,252
2009	48,000.27	23,777	19,626	29,335	8.95	3,278
	11,688,308.90	9,598,434	7,922,552	3,999,523		452,876
INTERI PROBAE	COMMON M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1979 1983 1984	9,147,584.36 46,454.00 21,772.00	7,530,116 37,435 17,442	6,215,361 30,899 14,397	3,115,175 16,484 7,811	8.83 8.85 8.85	352,794 1,863 883



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CRAIG	COMMON					
INTERI	M SURVIVOR CURV	E IOWA 110-	S0.5			
PROBAE	BLE RETIREMENT Y	EAR 12-202	16			
NET SA	ALVAGE PERCENT	-2				
1985	200,201.00	159,343	131,522	72,683	8.86	8,203
1986	7,667.00	6,062	5,004	2,817	8.86	318
1987	8,785.00	6,895	5,691	3,270	8.87	369
1988	82,312.00	64,131	52,934	31,024	8.87	3,498
1989	136,554.00	105,557	87,127	52,158	8.87	5,880
1990	86,420.00	66,216	54,655	33,494	8.88	3,772
1991	17,818.00	13,531	11,168	7,006	8.88	789
1993	121,672.76	90,540	74,732	49,374	8.89	5,554
1994	124,858.28	91,858	75,820	51,536	8.90	5,791
1995	211,343.12	153,641	126,815	88,755	8.90	9,972
1996	195,583.59	140,351	115,846	83,649	8.90	9,399
1997	78,426.19	55,476	45,790	34,205	8.91	3,839
1999	46,511.28	31,872	26,307	21,134	8.91	2,372
2000	215,923.18	145,201	119,849	100,393	8.92	11,255
2001	13,607.31	8,970	7,404	6,476	8.92	726
2002	36,037.66	23,222	19,167	17,591	8.93	1,970
2003	88,770.47	55,813	46,068	44,478	8.93	4,981
2004	75,467.50	46,151	38,093	38,884	8.93	4,354
2005	39,599.36	23,462	19,366	21,026	8.94	2,352
2006	438,042.25	250,518	206,778	240,025	8.94	26,848
2008	406,489.64	212,832	175,672	238,948	8.95	26,698
2009	328,728.85	162,833	134,402	200,901	8.95	22,447
2010	281,619.84	130,504	107,718	179,534	8.96	20,037
2011	170,256.96	72,818	60,104	113,558	8.96	12,674
2012	271,586.07	105,128	86,773	190,245	8.96	21,233
2013	817,858.87	277,869	229,353	604,863	8.97	67,432
2014	182,414.63	52,116	43,017	143,046	8.97	15,947
2015	1,079,117.29	238,951	197,230	903,469	8.98	100,609
2017	7,256.26	390	322	7,079	8.98	788
	14,986,738.72	10,377,244	8,565,382	6,721,091		755,647
ר. קוזעת	OHNSTON UNIT 1					
	M SURVIVOR CURV	F. TOWA 110-	S0 5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT		. ,			
1958	2,285.86	2,000	1,694	660	9.67	68
1990	22,528.35	16,964	14,371	8,833	9.85	897



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIN PROBABI	OHNSTON UNIT 1 I SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1995 1996 1997 2002 2008 2009 2012	107,032.63 54,959.52 57,314.75 64,927.62 58,808.27 33,344.57 608,501.94	76,166 38,555 39,605 40,597 29,489 15,781 222,593	64,525 32,662 33,552 34,392 24,982 13,369 188,573	45,719 23,946 25,482 32,483 35,591 20,976 438,184	9.87 9.88 9.88 9.91 9.94 9.95	4,632 2,424 2,579 3,278 3,581 2,110 44,039
INTERIN PROBABI	OHNSTON UNIT 2 I SURVIVOR CURV E RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1960 1962 1990 1995 1996 2005 2012 2014	5,284.75 5,365.29 22,528.34 12,130.39 112,458.23 135,780.57 264,129.94 9,093.06	4,602 4,649 16,964 8,632 78,891 77,641 96,620 2,430	3,899 3,938 14,371 7,313 66,834 65,775 81,853 2,059	1,545 1,588 8,833 5,182 48,998 74,079 190,201 7,307	9.68 9.69 9.85 9.87 9.88 9.92 9.95	160 164 897 525 4,959 7,468 19,116 734
INTERIN PROBABI	OHNSTON UNIT 3 I SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1977 1991 1992 1997 2006	315,936.78 479,594.52 143,784.20 31,422.92 20,724.25	259,675 357,648 106,088 21,714 11,409	219,987 302,986 89,874 18,395 9,665	105,428 190,996 58,224 13,970 11,681	9.78 9.85 9.86 9.88 9.93	10,780 19,390 5,905 1,414 1,176



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	JOHNSTON UNIT 3 M SURVIVOR CURVE BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
2008 2009 2010	17,043,077.86 873,683.12 59,569.36	8,546,170 413,492 26,270	7,239,996 350,295 22,255	10,314,374 549,599 39,101	9.94	55,292
	18,967,793.01	9,742,466	8,253,453	11,283,374		1,135,550
INTERI PROBAE	JOHNSTON UNIT 4 M SURVIVOR CURVE BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1990 1991 1993 1994 1996 2003 2008 2009 2010 2011 2012 2017	1,137.26 159,763.84 1,582,689.51 5,584.65 622,133.78 136,281.50 17,311.40 1,554,659.15 50,893.98 316,343.40 10,679,428.38 33,588.38 15,159,815.23	856 119,141 1,154,910 4,025 436,435 83,006 8,681 735,781 22,444 128,388 3,906,583 1,651 6,601,901	725 100,932 978,397 3,410 369,731 70,320 7,354 623,326 19,014 108,766 3,309,511 1,399 5,592,884	446 63,625 651,774 2,342 271,066 70,050 10,477 977,973 33,407 217,068 7,690,300 33,197		45 6,459 66,103 237 27,436 7,069 1,054 98,388 3,357 21,816 772,894 3,326
INTERI PROBAE	OHNSTON COMMON M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1958 1959 1960 1961 1962 1963 1964 1965	2,253,240.02 7,165.56 923,804.37 30,373.44 484.75 6,640.40 2,194,066.11 13,063.50	1,971,203 6,255 804,433 26,382 420 5,738 1,890,984 11,226	1,669,930 5,299 681,486 22,350 356 4,861 1,601,971 9,510	650,908 2,082 270,033 8,935 143 1,979 657,917 3,945	9.67 9.67 9.68 9.69 9.70 9.70	67,312 215 27,896 922 15 204 67,826 406



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL
(1)	(2)	(3)	(4)	(5)	(6)	ACCRUAL (7)
		(3)	(- /	(3)	(0)	(, ,
	JOHNSTON COMMON		~ ~ ~			
	IM SURVIVOR CURV					
	BLE RETIREMENT Y ALVAGE PERCENT		i /			
NEI SE	ALVAGE PERCENI	-3				
1966	37,594.74	32,209	27,286	11,436	9.72	1,177
1967	26,492.07	22,630	19,171	8,116	9.72	835
1968	16,916.35	14,403	12,202	5,222	9.73	537
1969	4,963.29	4,213	3,569	1,543	9.73	159
1970	4,959.54	4,195	3,554	1,554	9.74	160
1971	37,087.63	31,252	26,476	11,725	9.75	1,203
1972	5,613,832.98	4,713,515	3,993,114	1,789,134	9.75	183,501
1973 1974	1,335,042.07 421,585.13	1,116,452 351,181	945,816	429,277	9.76 9.76	43,983
1974	522,494.36	433,345	297,507 367,114	136,725		14,009
1975	392,719.74	324,325	367,114 274,756	171,056 129,745	9.77 9.77	17,508 13,280
1977	249,096.89	204,738	173,446	83,123	9.78	8,499
1978	396,855.33	324,654	275,035	133,726	9.78	13,673
1979	719.31	585	496	245	9.79	25
1980	184,340.90	149,208	126,403	63,468	9.80	6,476
1981	50,557.87	40,698	34,478	17,597	9.80	1,796
1983	126,294.78	100,448	85,096	44,988	9.81	4,586
1984	1,292,092.55	1,020,793	864,778	466,078	9.82	47,462
1985	86,891.26	68,187	57,765	31,733	9.82	3,231
1986	328,048.43	255,533	216,478	121,412	9.83	12,351
1987	394,275.01	304,809	258,223	147,880	9.83	15,044
1988	2,378,430.97	1,823,325	1,544,653	905,131	9.84	91,985
1989	1,039,525.02	790,206	669,433	401,278	9.84	40,780
1990	383,113.56	288,493	244,400	150,206	9.85	15,249
1991	697,159.09	519,893	440,434	277,640	9.85	28,187
1992	267,112.58	197,084	166,962	108,164	9.86	10,970
1993 1994	771,786.56 2,901,701.55	563,183 2,091,320	477,108 1,771,688	317,833	9.86	32,235
1995	168,052.28	119,589	101,311	1,217,064 71,783	9.87 9.87	123,309 7,273
1996	246,409.86	172,860	146,441	107,362	9.88	10,867
1997	65,259.04	45,095	38,203	29,014	9.88	2,937
1998	33,017.65	22,438	19,009	15,000	9.89	1,517
1999	12,008,965.77	8,017,367	6,792,014	5,577,221	9.89	563,925
2000	78,509.13	51,378	43,526	37,339	9.90	3,772
2001	218,856.67	140,179	118,754	106,668	9.90	10,775
2002	1,052,256.14	657,946	557,387	526,437	9.91	53,122
2003	433,959.96	264,316	223,919	223,060	9.91	22,509
2004	560,009.88	331,020	280,428	296,382	9.92	29,877
2005	375,613.05	214,781	181,954	204,927	9.92	20,658

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	JOHNSTON COMMON IM SURVIVOR CURV BLE RETIREMENT Y BALVAGE PERCENT	EAR 12-202				
2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017		862,517 277,651 32,107,006 2,081,629 451,380 94,655 1,475,343 324,680 315,644 81,142 603,161 25,673	730,692 235,216 27,199,856 1,763,478 382,392 80,188 1,249,855 275,057 267,402 68,740 510,975 21,749	883,118 307,029 38,749,955 2,766,826 671,840 160,035 2,904,285 771,453 949,047 337,296 4,101,052 516,357	9.93 9.93 9.94 9.95 9.95 9.95 9.96 9.97 9.97	88,934 30,919 3,898,386 278,353 67,522 16,084 291,888 77,455 95,286 33,831 411,339 51,739
	124,033,278.41	69,244,968	58,661,749	69,092,528		6,965,974
INTER PROBA	BY UNIT 1 LIM SURVIVOR CURV BLE RETIREMENT Y BALVAGE PERCENT	EAR 12-203				
1951 1957 1966 1977 1979 1985 1986	2,410.11	869,625 3,143 2,129 10,491 3,204 22,372 8,451 24,198	1,078,283 3,962 2,772 14,465 4,477 32,834 12,525 36,243			
1994 1995 2003 2017	13,437.92 80,643.89 79,370.36 26,878.58	9,410 55,523 44,837 1,001	14,463 85,336 68,912 1,538	991 7,405 22,364 29,372	14.69 14.70 14.79 14.93	67 504 1,512 1,967
	1,231,253.41	1,054,384	1,355,810	60,131		4,050



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GADSBY	UNIT 2					
INTERI	M SURVIVOR CURV	E IOWA 110-	S0.5			
PROBABI	LE RETIREMENT Y	EAR 12-203	32			
NET SAI	LVAGE PERCENT	-16				
1952	932,091.66	869,825	1,081,226			
1956	10,893.89	10,052	12,637			
1957	1,465.29	1,348	1,700			
1966	1,262.56	1,125	1,465			
1973	1,452.09	1,251	1,684			
1975	47,824.38	40,744	55,476			
1980	9,991.98	8,236	11,591			
1985	4,795.56	3,790	5,563			
1986	10,891.22	8,525	12,634			
1991	23,440.83	17,314	27,191			
1994	32,183.97	22,732	37,333			
2017	28,850.12	1,084	19,410	14,057	14.93	942
	1,105,143.55	986,026	1,267,910	14,057		942
	UNIT 3					
	M SURVIVOR CURV					
	LE RETIREMENT Y		32			
NET SAI	LVAGE PERCENT	-15				
1955	925,813.61	849,502	1,064,686			
1966	2,052.36	1,813	2,360			
1978	1,956.41	1,621	2,250			
1979	3,833.20	3,155	4,408			
1985	20,720.65	16,236	23,829			
1986	17,010.54	13,200	19,562			
1991	15,137.74	11,085	16,473	936	14.65	64
1996	33,121.27	22,391	33,274	4,816	14.71	327
2004	103,985.70	56,623	84,143	35,440	14.80	2,395
2006	31,936.55	15,937	23,683	13,044	14.82	880
2017	48,631.57	1,812	2,693	53,234	14.93	3,566
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	1,204,199.60	993,375	1,277,360	107,470		7,232



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GADSBY	COMMON					
INTERI	M SURVIVOR CURV	E IOWA 110-	-S0.5			
	LE RETIREMENT Y		32			
NET SAI	LVAGE PERCENT	-15				
1951	670,040.60	621,438	770,547			
1952	570,234.52	527,554	655,770			
1954	19,513.28	17,955	22,440			
1955	284,410.50	260,968	327,072			
1956	1,515.85	1,387	1,743			
1957	6,608.59	6,028	7,600			
1958	6,159.04	5,600	7,083			
1959	43,979.11	39,859	50,576			
1961	248.64	224	286			
1965	3,207.69	2,845	3,683	6	14.33	
1966	664.82	587	760	5	14.34	
1967	2,431.90	2,139	2,769	28	14.36	2
1970	4,226.15	3,666	4,745	115	14.40	8
1972	542,894.47	466,274	603,574	20,754	14.42	1,439
1973	7,758.77	6,627	8,578	344	14.44	24
1974	1,137.71	966	1,250	58	14.45	4
1976	1,237,258.66	1,038,736	1,344,605	78,243	14.47	5,407
1977	141,124.69	117,713	152,375	9,918	14.49	684
1978	51,154.00	42,388	54,870	3,957	14.50	273
1979 1980	76,517.31 223,751.72	62,974 182,830	81,517 236,667	6,477 20,648	14.51 14.52	446 1,422
1982	22,558.21	18,145	23,488	2,454	14.52	169
1984	3,702.52	2,928	3,790	468	14.55	32
1985	463,384.90	363,102	470,022	62,871	14.58	4,312
1986	549,930.90	426,738	552,396	80,024	14.59	5,485
1987	55,972.22	42,975	55,630	8,739	14.61	598
1991	281,586.60	206,195	266,912	56,913	14.65	3,885
1992	1,104,320.25	797,553	1,032,402	237,566	14.66	16,205
1993	312,107.23	221,994	287,363	71,560	14.68	4,875
1994	2,971,105.01	2,080,438	2,693,049	723,722	14.69	49,266
1995	270,176.02	186,014	240,788	69,914	14.70	4,756
1996	185,252.12	125,233	162,109	50,931	14.71	3,462
1997	50,329.79	33,369	43,195	14,684	14.72	998
1998	8,602.12	5,584	7,228	2,664	14.73	181
1999	29,459.18	18,686	24,188	9,690	14.74	657
2000	3,745.67	2,318	3,001	1,307	14.75	89
2001	11,398.04	6,863	8,884	4,224	14.76	286
2003	208,648.98	117,869	152,577	87,369	14.79	5,907
2004	24,036.11	13,088	16,942	10,700	14.80	723
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ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	COMMON M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
2005 2006 2007 2008 2009 2011 2012 2014 2016 2017	21,084.08 32,786.12 70,818.46 958,827.33 77,957.86 31,499.24 21,797.05 6,009.10 16,728.47 30,578.72	11,020 16,361 33,551 427,873 32,464 10,971 6,738 1,311 1,757 1,139	14,265 21,179 43,431 553,866 42,023 14,202 8,722 1,697 2,274 1,474	9,982 16,525 38,011 548,786 47,628 22,023 16,345 5,213 16,963 33,691	14.81 14.82 14.83 14.84 14.85 14.87 14.88 14.90 14.92 14.93	674 1,115 2,563 36,980 3,207 1,481 1,098 350 1,137 2,257
INTERI PROBAB	11,719,240.32 UNIT 1 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203		2,391,519		162,457
1965 1982 1985 1993 1994 1996 2000 2006 2007 2014	857,610.59 149,435.00 1,652.00 2,454.59 10,828.52 32,442.44 8,687.24 49,090.66 7,209.87 11,466.91	695,594 111,059 1,199 1,632 7,093 20,577 5,077 23,498 3,285 2,486	691,434 110,395 1,192 1,622 7,051 20,454 5,047 23,357 3,265 2,471	183,329 42,029 493 881 3,995 12,637 3,814 26,715 4,089 9,225	12.50 12.66 12.69 12.76 12.77 12.79 12.82 12.87 12.88 12.93	14,666 3,320 39 69 313 988 298 2,076 317 713
INTERI PROBAB	1,130,877.82 UNIT 2 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT 1,650,480.19	EAR 12-203		287,207 416,727	12.61	22,799 33,047
1978 1979	1,521.00 79.00	1,161 60	1,154 60	397 21	12.63 12.64	31 2



ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HAYDEN	UNIT 2					
	M SURVIVOR CURV					
	LE RETIREMENT Y		80			
NET SA	LVAGE PERCENT	-2				
1982	87,143.00	64,764	64,377	24,509	12.66	1,936
1985	1,461.00	1,060	1,054	437	12.69	34
1989	9,622.00	6,717	6,677	3,138	12.73	247
1993	6,242.11	4,149	4,124	2,243	12.76	176
1996	4,625.65	2,934	2,916	1,802	12.79	141
2002	2,489.83 29,127.90	1,380	1,372	1,168	12.84 12.85	91
2004 2007	3,580.60	15,128 1,632	15,038 1,622	14,673 2,030	12.88	1,142 158
2012	6,250.59	1,900	1,889	4,487	12.91	348
2013	22,117.00	5,808	5,773	16,786	12.92	1,299
	,	,	,			,
	1,824,739.87	1,381,078	1,372,818	488,417		38,652
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	COMMON  M. CHRYLLYOP, CHRY	E TOWN 110	CO E			
	M SURVIVOR CURV LE RETIREMENT Y					
	LVAGE PERCENT		.0			
1965	593,675.42	476,800	473,948	125,664	12.50	10,053
1976	755,309.84	577,480	574,026	188,837	12.61	14,975
1979	2,200.00	1,652	1,642	580	12.64	46
1982 1983	62,701.00 49,924.00	46,142 36,462	45,866 36,244	17,462 14,179	12.66 12.67	1,379 1,119
1984	144,105.00	104,406	103,782	41,764	12.68	3,294
1985	59,353.00	42,642	42,387	17,560	12.69	1,384
1986	4,015.00	2,859	2,842	1,213	12.70	96
1987	31,494.00	22,217	22,084	9,725	12.71	765
1988	5,828.00	4,071	4,047	1,840	12.72	145
1991	8,012.00	5,413	5,381	2,711	12.74	213
1993	100,211.45	65,956	65,562	35,652	12.76	2,794
1994	28,176.58	18,276	18,167	10,292	12.77	806
1996	36,570.20	22,967	22,830	14,106		1,103
1997	60,361.86	37,225	37,002	23,963	12.80	1,872
1998	5,190.59	3,141	3,122	2,120	12.80	166
2000 2001	13,749.61 11,975.41	7,957 6,757	7,909 6,717	5,978 5,379	12.82 12.83	466 419
2001	136,236.06	74,746	74,299	63,299	12.83	4,930
2002	21,698.97	11,551	11,482	10,434	12.84	813
2004	244,830.39	125,907	125,154	122,125	12.85	9,504
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#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HAYDEN	COMMON					
	M SURVIVOR CURV					
	SLE RETIREMENT Y		0			
NET SA	LVAGE PERCENT	-1				
2005	18,415.19	9,115	9,060	9,539	12.86	742
2006	496,461.53	235,309	233,902	267,525	12.87	20,787
2009	37,978.59	15,178	15,087	23,271	12.89	1,805
2010	48,381.17	17,889	17,782	31,083	12.90	2,410
2011	11,645,071.71	3,922,585	3,899,124	7,862,398	12.91	609,016
2012	55,931.83	16,834	16,733	39,758	12.91	3,080
2013	41,239.29	10,724	10,660	30,992	12.92	2,399
2014	5,973.09	1,282	1,274	4,758	12.93	368
2015	70,813.76	11,541	11,472	60,050	12.94	
2016	58,068.43	6,052	6,016	52,633	12.95	
2017	41,894.62	1,573	1,564	40,750	12.95	3,147
	14,895,847.59	5,942,709	5,907,166	9,137,640		708,801
שברוווד	UNIT 1					
	M SURVIVOR CURV	E. TOWA 110-	S0.5			
	SLE RETIREMENT Y					
	LVAGE PERCENT					
1978	21,315,510.00	14,034,831		10,625,354	23.51	451,950
1981	12,490.27	7,978	7,046	6,443	23.61	273
1982	17,243.53	10,891	9,619	9,004	23.65	381
1983	24,004.23	14,988	13,237	12,687	23.68	536
1984	455.86 12,848.02	281 7,823	248 6,909	244	23.71 23.75	10
1985 1986	130,924.30	7,623 78,665	69,476	6,967 71,922	23.78	293 3,024
1987	90,543.75	53,649	47,382	50,405	23.76	2,117
1988	54,325.00	31,716	28,011	30,660	23.84	1,286
1989	64,095.78	36,830	32,528	36,696	23.88	1,537
1990	5,019.52	2,837	2,506	2,915	23.91	122
1991	64,867.03	36,030	31,821	38,235	23.94	1,597
1993	6,876.96	3,677	3,247	4,180		174
2001	19,071.44	8,212	7,253	13,344	24.25	550
2004	10,294.40	3,913	3,456	7,662	24.34	315
2005	501,350.25	181,226	160,057	381,402	24.37	15,650
2006	129,557.84	44,263	39,093	100,830	24.40	4,132
2007	185,952.51	59,682	52,710	148,118	24.43	6,063
2008	60,983.09	18,228	16,099	49,763	24.46	2,034
2009	51,748.33	14,248	12,584	43,305	24.49	1,768

### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	R UNIT 1 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
NEI SE	ALVAGE PERCENI	-0				
2011	70,079.24	15,734	13,896	61,789	24.54	2,518
2013	190,534.35	31,642	27,946	177,831	24.60	7,229
2017	68,971.27	1,477	1,304	73,185	24.72	2,961
	23,087,746.97	14,698,821	12,981,825	11,952,942		506,520
	R UNIT 2					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		2			
NET SA	ALVAGE PERCENT	-8				
1980	11,351,709.58	7,327,465	6,471,530	5,788,316	23.58	245,476
1982	9,906.35	6,257	5,526	5,173	23.65	219
1983	17,231.31	10,759	9,502	9,108	23.68	385
1985	253.67	154	136	138	23.75	6
1986	36,972.87	22,215	19,620	20,311	23.78	854
1987	41,651.90	24,680	21,797	23,187	23.81	974
1988	2,528.50	1,476	1,304	1,427	23.84	60
1989	39,027.51	22,425	19,805	22,344	23.88	936
1990	10,445.78	5,904	5,214	6,067	23.91	254
1991	1,945.37	1,081	955	1,146	23.94	48
1992	5,054.46	2,756	2,434	3,025	23.97	126
1993	27,310.35	14,602	12,896	16,599	24.00	692
2001	10,366.00	4,464	3,943	7,253	24.25	299
2003	4,120.60	1,639	1,448	3,003	24.31	124
2005	313,187.03	113,210	99,986	238,256	24.37	9,777
2006	78,902.28	26,957	23,808	61,406	24.40	2,517
2007	26,670.53	8,560	7,560	21,244	24.43	870
2008	75,355.68	22,524	19,893	61,491	24.46	2,514
2009	4,071.45	1,121	990	3,407	24.49	139
2011	47,839.22	10,740	9,485	42,181	24.54	1,719
2013	57,984.54	9,630	8,505	54,118	24.60	2,200
2015	122,634.43	12,147	10,728	121,717	24.66	4,936
2017	178,630.27	3,826	3,379	189,542	24.72	7,668
	12,463,799.68	7,654,592	6,760,445	6,700,459		282,793



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	R UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
1983 1986 1987 1990 1991 1994 1995 2001 2003 2004 2005 2006 2007 2008 2009 2011 2012 2015 2016 2017	53,016,014.98 4,578.46 533,304.98 1,643.82 105,731.89 54,431.29 80,510.81 185,397.22 37,357.02 80,339.44 412,121.39 159,561.95 46,011.99 72,178.90 25,097.18 392,419.51 182,410.93 280,138.86 14,842.59 42,105.56	33,101,588	29,234,931 2,430 279,082 820 51,868 25,175 36,400 70,508 13,122 26,972 131,570 48,146 13,043 19,054 6,103 77,811 31,588 24,506 805 797	28,022,365 2,515 296,887 955 62,323 33,611 50,552 129,721 27,224 59,795 313,521 124,181 36,650 58,899 21,002 346,002 165,416 278,044 15,225 44,677	23.68 23.78 23.81 23.91 23.94 24.03 24.07 24.25 24.31 24.34 24.37 24.40 24.43 24.46 24.49 24.54 24.57 24.66 24.69 24.72	1,183,377 106 12,469 40 2,603 1,399 2,100 5,349 1,120 2,457 12,865 5,089 1,500 2,408 858 14,100 6,732 11,275 617 1,807
INTER] PROBA	R UNITS 1 AND 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 110- EAR 12-204				
1978 1980 1981 1983 1986 1987 1989 1990 1991 1992 1993	7,587,297.46 89,447.80 720,993.87 17,865.72 3,047.19 1,121.13 28,406.56 173,374.85 12,269.75 37,775.70 38,842.08	4,995,726 57,738 460,546 11,155 1,831 664 16,323 97,991 6,815 20,597 20,767	4,412,166 50,994 406,749 9,852 1,617 586 14,416 86,544 6,019 18,191 18,341	3,782,115 45,610 371,925 9,443 1,674 624 16,263 100,700 7,232 22,607 23,608	23.51 23.58 23.61 23.68 23.78 23.81 23.88 23.91 23.94 23.97 24.00	160,873 1,934 15,753 399 70 26 681 4,212 302 943 984



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTER	UNITS 1 AND 2	COMMON				
INTERI	M SURVIVOR CURV	E IOWA 110-	-S0.5			
PROBAE	BLE RETIREMENT Y	EAR 12-204	12			
NET SA	LVAGE PERCENT	-8				
1997	15,877.20	7,735	6,831	10,316	24.13	428
2002	32,958.69	13,665	12,069	23,527	24.13	969
2002	25,690.57	10,217	9,024	18,722	24.20	770
2004	30,895.08	11,744	10,372	22,995	24.34	945
2005	188,203.06	68,031	60,084	143,175	24.37	5,875
2006	101,653.62	34,730	30,673	79,113	24.40	3,242
2007	27,029.31	8,675	7,662	21,530	24.43	881
2008	69,991.24	20,920	18,476	57,114	24.46	2,335
2009	57,235.21	15,759	13,918	47,896	24.49	1,956
2011	62,402.91	14,010	12,373	55,022	24.54	2,242
2012	2,533.05	497	439	2,297	24.57	93
2015	54,003.66	5,349	4,724	53,600	24.66	2,174
2016	28,939.35	1,779	1,571	29,683	24.69	1,202
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	, -	,		, -
	9,407,855.06	5,903,264	5,213,693	4,946,790		209,289
HIINTER	UNITS 1, 2 AND	3 COMMON				
	M SURVIVOR CURV		·S0.5			
	BLE RETIREMENT Y					
	LVAGE PERCENT					
1978	31,539,511.28	20,766,649	18,340,859	15,721,813	23.51	668,729
1980	11,141,147.74	7,191,548	6,351,490	5,680,949	23.58	240,922
1981	113,642.36	72,591	64,112	58,622	23.61	2,483
1982	18,114.31	11,441	10,105	9,459	23.65	400
1983	44,578,545.68	27,833,489	24,582,208	23,562,621	23.68	995,043
1984	40,314.41	24,868	21,963	21,576	23.71	910
1985	497,027.03	302,652	267,299	269,491	23.75	11,347
1986	1,774,283.06	1,066,073	941,543	974,683	23.78	40,988
1987	816,100.02	483,556	427,071	454,317	23.81	19,081
1988	684,609.28	399,686	352,998	386,380	23.84	16,207
1989	713,305.82	409,868	361,991	408,380	23.88	17,101
1990	711,417.72	402,091	355,122	413,209	23.91	17,282
1991	101,336.61	56,287	49,712	59,732	23.94	2,495
1992	204,851.04	111,693	98,646	122,593	23.97	5,114
1993	521,447.45	278,800	246,233	316,930	24.00	13,205
1994	774,415.75	405,547	358,174	478,195	24.03	19,900
1995	1,113,455.67	569,988	503,407	699,125	24.07	29,045
1996	346,645.13	173,250	153,012	221,364	24.10	9,185



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTE	R UNITS 1, 2 AND	3 COMMON				
	IM SURVIVOR CURV		-S0.5			
	BLE RETIREMENT Y					
NET S	ALVAGE PERCENT	-8				
1997	477,220.53	232,491	205,333	310,065	24.13	12,850
1998	209,264.57	99,198	87,611	138,395	24.16	5,728
1999	149,384.33	68,745	60,715	100,620	24.19	4,160
2000	108,579.88	48,397	42,744	74,523	24.22	3,077
2002	94,879.18	39,339	34,744	67,726	24.28	2,789
2003	498,673.77	198,322	175,156	363,412	24.31	14,949
2004	1,742,648.70	662,429	585,049	1,297,011	24.34	53,287
2005	702,815.70	254,051	224,375	534,666	24.37	21,940
2006	961,493.10	328,491	290,119	748,293 361,591	24.40	30,668
2007 2008	453,954.36 2,709,275.73	145,699 809,805	128,680 715,210	2,210,808	24.43 24.46	14,801 90,385
2008	512,783.07	141,187	124,695	429,111	24.49	17,522
2010	200,107.83	50,221	44,355	171,762	24.51	7,008
2011	336,533.48	75,555	66,729	296,727	24.54	12,092
2012	165,868.41	32,522	28,723	150,415	24.57	6,122
2013	835,107.55	138,688	122,488	779,429	24.60	31,684
2014	364,576.26	48,745	43,051	350,691	24.63	14,238
2015	2,746,897.97	272,071	240,290	2,726,360	24.66	110,558
2016	1,673,828.17	102,878	90,861	1,716,874	24.69	69,537
2017	228,513.42	4,894	4,322	242,472	24.72	9,809
	110,862,576.37	64,313,805	56,801,192	62,930,390		2,642,641
HUNTI	NGTON UNIT 1					
INTER	IM SURVIVOR CURV	E IOWA 110-	S0.5			
	BLE RETIREMENT Y					
NET S	ALVAGE PERCENT	-8				
1977	16,582,991.61	12,118,373	10,889,226	7,020,405	18.15	386,799
1978	1,103.69	800	719	473	18.17	26
1980	1,565,930.05	1,116,635	1,003,377	687,828	18.21	37,772
	6,336.99		4,025		18.23	155
1983	7,786.59	5,399	4,851	3,558	18.27	195
1984	30,788.23	21,127	18,984	14,267	18.29	780
1986	120,755.77	81,035	72,816	57,600	18.33	3,142
1987	16,823.20	11,155	10,024	8,145	18.35	444
1989 1991	16,376.08 16,197.66	10,582 10,163	9,509 9,132	8,177 8,361	18.38 18.42	445 454
1991	32,227.92	19,209	9,132 17,261	17,545		949
1334	34,441.94	⊥9,∠U9	11,201	1/,345	18.48	949



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTIN	NGTON UNIT 1					
INTERI	M SURVIVOR CURV	E IOWA 110-	S0.5			
PROBAE	BLE RETIREMENT Y	EAR 12-203	36			
NET SA	ALVAGE PERCENT	-8				
1995	32,812.46	19,190	17,244	18,194	18.49	984
1997	107,999.99	60,472	54,338	62,302	18.53	3,362
1999	41,865.72	22,293	20,032	25,183	18.57	1,356
2003	13,977.18	6,540	5,877	9,219	18.63	495
2004	100,742.53	45,252	40,662	68,140	18.65	3,654
2005	176,768.39	75,858	68,164	122,746	18.67	6,575
2006	193,041.23	78,686	70,705	137,780	18.69	7,372
2008	354,227.78	127,792	114,830	267,736	18.72	14,302
2009	197,068.01	65,927	59,240	153,593	18.74	8,196
2011	58,252.72	16,090	14,458	48,455	18.77	
2012 2016	75,709.74	18,410	16,543 9,012	65,224 127,055	18.79 18.85	3,471
2016	125,987.94	10,029	9,012	127,055	10.05	6,740
	19,875,771.48	13,945,496	12,531,027	8,934,806		490,250
	NGTON UNIT 2	110	~^ =			
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		66			
NET SA	ALVAGE PERCENT	- /				
1974	13,183,982.04	9,752,778	8,763,569	5,343,291	18.09	295,373
1980	724,328.81	511,723	459,820	315,212	18.21	17,310
1981	58,694.82	41,099	36,930	25,873	18.23	1,419
1983	7,684.44	5,279	4,744	3,479	18.27	190
1984	27,714.99	18,842	16,931	12,724	18.29	696
1986	44,118.93	29,333	26,358	20,849	18.33	1,137
1987	5,181.73	3,404	3,059	2,486	18.35	135
1988	33,779.48	21,911	19,689	16,455	18.37	896
1989	24,415.11	15,631	14,046	12,079	18.38	657
1990	1,889.55	1,193	1,072	950	18.40	52
1991	43,463.22	27,019	24,279	22,227	18.42	1,207
1992	16,592.15	10,151	9,121		18.44	468
1994	91,161.44	53,833	48,373	49,170	18.48	2,661
1997	51,661.38	28,659	25,752	29,526	18.53	1,593
1999	42,810.89	22,585	20,294	25,513	18.57	1,374
2001	49,148.29	24,448	21,968	30,620	18.60	1,646
2002	53,498.92	25,728	23,118	34,125	18.62	1,833
2003	21,312.87	9,879	8,877	13,928	18.63	748
2004	102,951.22	45,816	41,169	68,989	18.65	3,699

#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER: PROBA	NGTON UNIT 2 IM SURVIVOR CURVI BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
2005	28,886.74	12,282	11,036	19,873	18.67	1,064
2006	11,212,028.80	4,527,859	4,068,605	7,928,265	18.69	424,198
2008	308,902.24	110,409	99,210	231,315	18.72	12,357
2009	85,326.45	28,281	25,413	65,887	18.74	3,516
2012	2,373.90	572	514	2,026	18.79	108
	26,221,908.41	15,328,714	13,773,947	14,283,495		774,337
ITRUH	NGTON COMMON					
INTER	IM SURVIVOR CURV	E IOWA 110-	S0.5			
PROBAI	BLE RETIREMENT Y	EAR 12-203	6			
NET SA	ALVAGE PERCENT	-7				
1974	31,556,624.60	23,343,839	20,976,111	12,789,478	18.09	706,992
1977	9,297,125.49	6,731,163	6,048,432	3,899,492	18.15	214,848
1979	368,549.06	262,608	235,972	158,375	18.19	8,707
1980	3,151,561.43	2,226,509	2,000,678	1,371,493	18.21	75,315
1981	180,592.19	126,454	113,628	79,606	18.23	4,367
1982	2,415,365.65	1,675,467	1,505,527	1,078,914	18.25	59,119
1983	637,106.31	437,640	393,251	288,453	18.27	15,788
1984	695,048.09	472,526	424,598	319,103	18.29	17,447
1985	1,339,832.98	901,074	809,680	623,942	18.31	34,077
1986	1,691,876.49	1,124,853	1,010,761	799,547	18.33	43,620
1987	806,237.70	529,622	475,903	386,771	18.35	21,077
1988	101,549.60	65,871	59,190	49,468	18.37	2,693
1989	51,366.31	32,886	29,550	25,412	18.38	1,383
1990	56,862.91	35,888	32,248	28,595	18.40	1,554
1991	121,855.58	75,751	68,068	62,318	18.42	3,383
1992 1993	526,270.54 152,526.48	321,963 91,727	289,307 82,423	273,803	18.44 18.46	14,848 4,376
1993	447,853.84	264,468	237,643	80,780 241,560	18.48	13,071
1995	287,030.62	166,316	149,447	157,676	18.49	8,528
1996	862,759.10	489,566	439,910	483,242	18.51	26,107
1998	278,991.06	151,087	135,762	162,758	18.55	8,774
1999	724,321.17	382,118	343,360	431,663	18.57	23,245
2001	465,221.95	231,421	207,948	289,839	18.60	15,583
2002	348,216.63	167,458	150,473	222,119	18.62	11,929
2003	716,379.43	332,074	298,392	468,134	18.63	25,128
2004	1,089,291.99	484,761	435,592	729,950	18.65	39,139



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTI	NGTON COMMON					
INTER	IM SURVIVOR CURV	E IOWA 110-	S0.5			
PROBA	BLE RETIREMENT Y	EAR 12-203	66			
NET SA	ALVAGE PERCENT	-7				
2005	326,761.78	120 020	104 027	224 700	10 67	10 041
2005 2006	956,489.69	138,928 386,268	124,837 347,089	224,798 676,355	18.67 18.69	12,041 36,188
2007	439,780.17	167,865	150,839	319,726	18.70	17,098
2007	5,430,804.07	1,941,093	1,744,211	4,066,749	18.72	217,241
2009	2,794,243.25	926,133	832,197	2,157,643	18.74	115,136
2010	86,009.59	26,118	23,469	68,561	18.75	3,657
2011	1,322,988.02	362,039	325,318	1,090,279	18.77	58,086
2012	3,098,007.07	746,342	670,642	2,644,226	18.79	140,725
2013	97,033.45	19,980	17,953	85,872	18.80	4,568
2014	407,589.01	68,057	61,154	374,966	18.82	19,924
2015	3,665,646.14	457,882	411,440	3,510,802	18.84	186,348
2016	1,218,227.60	96,081	86,336	1,217,168	18.85	64,571
2017	654,412.27	18,073	16,240	683,981	18.87	36,247
	,	, ,	,	, , , , ,		,
	78,868,409.31	46,479,969	41,765,580	42,623,618		2,312,928
JIM BF	RIDGER UNIT 1					
INTER	IM SURVIVOR CURV	E IOWA 110-	S0.5			
PROBA	BLE RETIREMENT Y	EAR 12-202	18			
NET SA	ALVAGE PERCENT	-6				
1974	12 012 007 76	11,620,463	10,286,364	4,356,357	10 71	106 756
1974	13,813,887.76 1,761.00	1,445	1,279	588	10.71 10.74	406,756 55
1985	29,486.00	23,262	20,591	10,664	10.74	989
1987	3,377.00	2,621	2,320	1,260	10.78	117
1988	1,385.00	1,066	944	524	10.80	49
1990	77,266.03	58,330	51,633	30,269	10.81	2,800
1991	14,646.55	10,939	9,683	5,842	10.82	540
2003	123,911.79	74,631	66,063	65,284	10.89	5,995
2005	84,240.63	47,486	42,034	47,261	10.90	4,336
2005	377,077.36	204,152	180,714	218,988	10.91	20,072
2007	178,339.04	92,261	81,669	107,371	10.92	9,833
2011	43,374.74	17,070	15,110	30,867	10.94	2,821
2012	147,154.12	52,058	46,081	109,902	10.94	10,046
2013	275,888.90	84,908	75,160	217,282	10.95	19,843
2017	272,661.20	12,598	11,152	277,869	10.97	25,330
	, , – .	,	,	, , , , ,		-,
	15,444,457.12	12,303,290	10,890,798	5,480,327		509,582

#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER: PROBA	RIDGER UNIT 2 IM SURVIVOR CURVI BLE RETIREMENT YI ALVAGE PERCENT	EAR 12-203				
1975 1985 1988 1990 1991 2005 2007 2009 2017	12,011,672.00 29,486.00 1,386.00 77,266.08 14,646.57 296,522.30 34,273.23 101,443.17 269,091.92	9,351,164 21,297 970 52,827 9,886 142,859 14,967 38,938 9,242	8,277,594 18,852 859 46,762 8,751 126,458 13,249 34,468 8,181	4,454,778 12,403 611 35,140 6,774 187,856 23,081 73,062 277,056	14.46 14.58 14.62 14.64 14.65 14.81 14.83 14.85 14.93	308,076 851 42 2,400 462 12,684 1,556 4,920 18,557
INTER: PROBA	12,835,787.27  RIDGER UNIT 3  IM SURVIVOR CURVI BLE RETIREMENT YI ALVAGE PERCENT	EAR 12-203		5,070,762		349,548
1976 1979 1985 1986 1987 1988 1990 1991 2005 2006 2007 2009 2012 2017	11,969,908.00 18,678.00 29,486.00 28,782.00 3,377.00 1,386.00 77,266.08 14,646.57 84,240.63 65,826.22 426,297.08 102,856.11 23,031.22 106,932.73	8,590,193 13,081 19,455 18,769 2,175 881 47,751 8,912 34,723 25,759 157,413 32,927 5,335 2,811	7,603,987 11,579 17,221 16,614 1,925 780 42,269 7,889 30,737 22,802 139,341 29,147 4,723 2,488	5,203,814 8,406 14,329 14,183 1,688 703 40,406 7,783 59,401 47,632 316,797 80,909 19,921 111,930	19.03 19.10 19.23 19.25 19.27 19.29 19.33 19.65 19.65 19.66 19.70 19.76 19.85	273,453 440 745 737 88 36 2,090 402 3,026 2,424 16,114 4,107 1,008 5,639
	12,952,713.64	8,960,185	7,931,502	5,927,902		310,309



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
JIM BF	RIDGER UNIT 4					
INTERI	M SURVIVOR CURV	E IOWA 110-	S0.5			
PROBAE	BLE RETIREMENT Y	EAR 12-203	37			
NET SA	ALVAGE PERCENT	-7				
1979	38,184,423.85		23,672,891	17,184,443	19.10	899,709
1982	165,579.00	112,818	99,866	77,304	19.16	4,035
1985	484,960.00	319,974	283,239 542	235,668 462	19.23 19.25	12,255 24
1986 1988	938.00 5,747.00	612 3,654	3,234	2,915	19.25	151
1990	77,266.08	47,751	42,269	40,406	19.33	2,090
1991	14,646.57	8,912	7,889	7,783	19.35	402
1993	50,158.11	29,502	26,115	27,554	19.39	1,421
1995	33,035.16	18,694	16,548	18,800	19.43	968
2004	71,911.47	31,040	27,476	49,469	19.61	2,523
2005	84,240.65	34,723	30,737	59,401	19.63	3,026
2008	76,907.61	26,581	23,529	58,762	19.68	2,986
2009	276,771.60	88,601	78,429	217,717	19.70	11,052
2011	11,778.66	3,100	2,744	9,859	19.74	499
2013	226,349.42	44,743	39,606	202,588	19.77	10,247
2017	146,207.98	3,844	3,403	153,040	19.85	7,710
	39,910,921.16	27,517,717	24,358,517	18,346,169		959,098
	RIDGER COMMON					
	M SURVIVOR CURV					
	BLE RETIREMENT Y		57			
NET SA	ALVAGE PERCENT	-6				
1976	31,854,378.79	22,646,616	20,046,648	13,718,994	19.03	720,914
1977	16,114.00	11,365	10,060	7,021	19.06	368
1978	16,817.00	11,766	10,415	7,411	19.08	388
1979	65,710.00	45,591	40,357	29,296	19.10	1,534
1980	250,298.00	172,150	152,386	112,930	19.12	5,906
1981	22,493.00	15,329	13,569	10,273	19.14	537
1982	581,518.00	392,517	347,454	268,955	19.16	14,037
1983	323,813.00	216,304	191,471	151,771	19.19	7,909
1984	280,376.00	185,318	164,042	133,156	19.21	6,932
1985	592,360.58	387,183	342,732	285,170	19.23	14,829
1986	537,262.00	347,080	307,233	262,265	19.25	13,624
1987	651,278.06	415,552	367,844	322,511	19.27	16,736
1988	174,883.43	110,141	97,496	87,880	19.29	4,556
1989	199,176.74	123,735	109,529	101,598	19.31	5,261
1990	1,668,324.99	1,021,407	904,143	864,281	19.33	44,712



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	RIDGER COMMON IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1991	2,964,282.53	1,786,809	1,581,673	1,560,467	19.35	80,644
1992	2,876,971.98	1,705,849	1,510,007	1,539,583	19.37	79,483
1993	364,126.25	212,170	187,812	198,162	19.39	10,220
1994	917,687.32	524,798	464,548	508,201	19.41	26,182
1995	671,921.76	376,674	333,430	378,808	19.43	19,496
1996	654,859.79	359,383	318,124	376,028	19.45	19,333
1997	43,488.84	23,324	20,646	25,452	19.47	1,307
1998	155,308.21	81,243	71,916	92,711	19.49	4,757
1999	175,525.37	89,412	79,147	106,910	19.51	5,480
2001	161,424.56	77,381	68,497	102,613	19.55	5,249
2002	514,898.47	238,511	211,128	334,664	19.57	17,101
2003	620,849.78	276,902	245,112	412,989	19.59	21,082
2004 2005	583,496.66 328,549.41	249,512 134,158	220,867 118,756	397,640 229,507	19.61 19.63	20,277 11,692
2005	1,140,649.41	442,188	391,422	817,666	19.65	41,612
2007	719,153.39	263,071	232,869	529,434	19.66	26,930
2007	342,125.54	117,141	103,693	258,961	19.68	13,159
2009	3,917,002.39	1,242,202	1,099,590	3,052,433	19.70	154,946
2010	239,122.53	69,365	61,401	192,068	19.72	9,740
2011	753,493.95	196,473	173,917	624,787	19.74	31,651
2012	607,916.81	139,504	123,488	520,904	19.76	26,362
2013	1,383,786.16	270,979	239,869	1,226,944	19.77	62,061
2014	1,989,689.88	316,171	279,873	1,829,199	19.79	92,430
2015	5,068,796.75	599,941	531,064	4,841,860	19.81	244,415
2016	959,540.73	71,523	63,312	953,801	19.83	48,099
2017	1,249,845.85	32,551	28,814	1,296,023	19.85	65,291
	66,639,317.91	35,999,289	31,866,353	38,771,324		1,997,242
	TON UNIT 1 IM SURVIVOR CURV	E TOWA 110-	S0.5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
1963	1,994,805.24	1,767,824	1,439,797	734,541	11.56	63,542
1965	14,738.61	12,976	10,568	5,497	11.58	475
1968	187.91	164	134	71	11.60	6
1977	322.62	270	220	132	11.68	11
1978	1,193.79	993	809	492	11.69	42



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NAUGHT	ON UNIT 1					
INTERI	M SURVIVOR CURV	E IOWA 110-	S0.5			
PROBAE	BLE RETIREMENT Y	TEAR 12-202	.9			
NET SA	ALVAGE PERCENT	-9				
1980	16,666.43	13,695	11,154	7,013	11.70	599
1981	22,468.88	18,343	14,939	9,552	11.71	816
1982	350,588.04	284,267	231,520	150,621	11.72	12,852
1983	20,191.66	16,259	13,242	8,767	11.72	748
1984	9,514.72	7,604	6,193	4,178	11.73	356
1985	169,875.91	134,681	109,690	75,474	11.74	6,429
1986	17,334.00	13,627	11,098	7,796	11.75	663
1990	112,051.28	84,746	69,021	53,115	11.78	4,509
1991	110.70	83	68	53	11.78	4
1992	195,901.94	144,803	117,934	95,599	11.79	8,108
1993	38,120.61	27,814	22,653	18,898	11.80	1,602
1997	152,080.30	104,351	84,988	80,779	11.83	6,828
2002	85,341.54	52,387	42,666	50,356	11.86	4,246
2005	40,019.08	22,251	18,122	25,499	11.88	2,146
2006	33,380.35	17,802	14,499	21,886	11.89	1,841
2007	17,878,078.08	9,088,201	7,401,847	12,085,258	11.90	1,015,568
2017	30,689.70	1,342	1,093	32,359	11.96	2,706
	21,183,661.39	11,814,483	9,622,256	13,467,935		1,134,097
NAUGHT	ON UNIT 2					
	M SURVIVOR CURV	E IOWA 110-	S0.5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
1968	1,696,675.71	1,478,151	1,203,874	645,503	11.60	55,647
1973	3,938.73	3,360	2,737	1,557	11.65	134
1977	1,794.27		1,222	734	11.68	63
1979	18,852.60	15,587	12,695	7,855	11.69	672
1980	19,914.00	16,363	13,327	8,379	11.70	716
1982	25,342.76	20,549	16,736	10,888	11.72	929
1983	137,766.32	110,933	90,349	59,816	11.72	5,104
1985	20,000.00	15,856	12,914	8,886	11.74	757
1986	13,945.04	10,963	8,929	6,271	11.75	534
1988	2,306.78	1,781	1,451	1,064	11.76	90
1993	139,009.07	101,424	82,604	68,916	11.80	5,840
1997	12,860.23	8,824	7,187	6,831	11.83	577
2000	91,633.83	59,165	48,187	51,694	11.85	4,362
2004	53,003.57	30,559	24,889	32,885	11.88	2,768



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER] PROBAE	TON UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
2005	7,434.89	4,134	3,367	4,737	11.88	399
2007 2009	67,547.27 20,279.77	34,337 9,168	27,966 7,467	45,661 14,638	11.90 11.91	3,837 1,229
2010	15,142.58	6,348	5,170	11,335	11.92	951
2011	26,932,102.07	10,328,025	8,411,616	20,944,375	11.92	1,757,078
2015	21,786.54	4,095	3,335	20,412	11.95	1,708
2017	60,797.03	2,659	2,166	64,103	11.96	5,360
	29,362,133.06	12,263,781	9,988,184	22,016,541		1,848,755
INTERI PROBAE	TON UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1971	4,368,939.66	3,725,928	3,034,566	1,683,889	11.63	144,788
1976	3,587.48	2,988	2,434	1,441	11.67	123
1978	26,143.04	21,538	17,542	10,693	11.69	915
1979	46,820.60	38,356	31,239	19,327	11.69	1,653
1981	4,475,723.77	3,620,406	2,948,624	1,885,157	11.71	160,987
1982	180,369.35	144,907	118,019	76,780	11.72	6,551
1983	256,284.17	204,474	166,533	110,254	11.72	9,407
1984	90,516.14	71,673	58,374	39,384	11.73	3,358
1985	3,176.17	2,495	2,032	1,398	11.74	119
1986	30,146.81	23,482 19,946	19,125	13,434	11.75	1,143
1987 1989	25,827.84	19,946	16,245 707	11,649 530	11.75 11.77	991 45
1992	1,145.34 3,093.07	2,265	1,845	1,496	11.77	127
1993	30,779.39	22,251	18,122	15,120	11.79	1,281
1998	3,020,611.06	2,015,489	1,641,506	1,620,753	11.84	136,888
2000	12,148.46	7,772	6,330	6,790	11.85	573
2002	129,915.84	79,018	64,356	75,953	11.86	6,404
2003	286,323.85	169,025	137,662	171,568	11.87	14,454
2004	67,502.75	38,562	31,407	41,496	11.88	3,493
2005	69,228.30	38,138	31,061	43,705	11.88	3,679
2006	5,239.02	2,768	2,254	3,404	11.89	286
2007	960,836.40	483,954	394,154	643,549	11.90	54,080



### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NAUGH:	FON UNIT 3					
INTER	IM SURVIVOR CURV	E IOWA 110-	S0.5			
PROBAI	BLE RETIREMENT Y	EAR 12-202	29			
NET SA	ALVAGE PERCENT	-8				
2008	61,435.10	29,333	23,890	42,460	11.90	3,568
2009	41,916.81	18,775	15,291	29,979	11.91	2,517
2011	19,301.19	7,334	5,973	14,872	11.92	1,248
	•	•	,	,		•
	14,217,011.61	10,791,745	8,789,291	6,565,082		558,678
NAUGH:	TON COMMON					
INTER	IM SURVIVOR CURV	E IOWA 110-	-S0.5			
	BLE RETIREMENT Y		29			
NET SA	ALVAGE PERCENT	-9				
1963	2,504,642.20	2,219,648	1,807,783	922,277	11.56	79,782
1967	472,711.09	413,363	336,662	178,593	11.59	15,409
1968	608,869.85	530,450	432,023	231,645	11.60	19,969
1969	9,742.61	8,455	6,886	3,733	11.61	322
1971	1,910,638.91	1,644,522	1,339,374	743,222	11.63	63,906
1975	5,794.20	4,896	3,988	2,328	11.66	200
1976	43,078.09	36,217	29,497	17,458	11.67	1,496
1977	42,598.78	35,621	29,011	17,421	11.68	1,492
1978	100,657.75	83,695	68,165	41,552	11.69	3,554
1979	169,422.57	140,076	114,084	70,586	11.69	6,038
1980	113,563.67	93,314	75,999	47,785	11.70	4,084
1981	439,032.69	358,421	291,914	186,631	11.71	15,938
1982	315,315.64	255,667	208,227	135,467	11.72	11,559
1983	440,741.89	354,897	289,044	191,364	11.72	16,328
1984	376,188.18	300,633	244,849	165,196	11.73	14,083
1985	4,996,080.29	3,961,004	3,226,023	2,219,705	11.74	189,072
1986 1987	338,194.57	265,869	216,536	152,096	11.75	12,944
1988	1,632,693.71 742,849.51	1,272,582 573,604	1,036,449 467,169	743,187 342,537	11.75 11.76	63,250 29,127
1989	11,102.07	8,487	6,912	5,189	11.77	441
1990	1,181,719.39	893,756	727,916	560,158	11.78	47,552
1991	91,050.24	68,119	55,479	43,766	11.78	3,715
1992	224,913.04	166,247	135,399	109,756	11.79	9,309
1993	7,285,108.72	5,315,392	4,329,099	3,611,670	11.80	306,074
1994	5,418,901.87	3,899,776	3,176,156	2,730,447	11.81	231,198
1995	86,838.61	61,601	50,171	44,483	11.81	3,767
1996	954,241.43	666,095	542,498	497,625	11.82	42,100
1997	154,520.42	106,025	86,352	82,076	11.83	6,938

#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	TON COMMON IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2018 2019 2011 2012 2013 2014 2015 2016 2017	1,363,922.06 12,414.78 234,337.37 356,902.89 300,713.87 310,124.06 572,886.50 1,014,715.56 853,665.86 2,892,781.54 1,408,644.18 3,151,397.93 875,295.16 814,535.05 836,768.81 544,608.34 1,434,144.83 882,996.52 753,973.98 11,377,385.56	918,498 8,195 151,305 224,891 184,595 184,770 330,301 564,191 455,254 1,470,526 678,810 1,424,642 366,955 312,361 286,730 161,964 353,569 165,968 91,043 497,666	748,067 6,674 123,230 183,162 150,343 150,485 269,012 459,503 370,780 1,197,664 552,854 1,160,294 298,865 254,401 233,526 131,911 287,963 135,172 74,150 405,322	738,608 6,858 132,198 205,863 177,436 187,550 355,434 646,537 559,716 1,955,468 982,568 2,274,730 655,207 633,442 678,552 461,712 1,275,255 827,294 747,682 11,996,028	11.84 11.84 11.85 11.86 11.87 11.88 11.89 11.90 11.91 11.92 11.92 11.93 11.94 11.94 11.95 11.96	62,382 579 11,156 17,358 14,961 15,800 29,919 54,422 47,075 164,325 82,569 190,993 54,967 53,141 56,878 38,669 106,805 69,230 62,515 1,003,012
INTER: PROBAL NET SA	60,663,426.84  K PLANT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203 -4	9	39,596,094	20 97	3,336,403
1978 1981 1983 1984 1985 1986 1987 1988 1989 1990	38,946,223.71 5,939.92 27,305.09 22,096.56 214,679.06 23,664.89 1,950,580.81 67,590.70 878,861.35 625,068.76 145,505.46	25,876,432 3,837 17,272 13,819 132,694 14,445 1,175,272 40,160 514,691 360,393 82,556	24,513,451 3,635 16,362 13,091 125,705 13,684 1,113,367 38,045 487,581 341,410 78,208	15,990,621 2,543 12,035 9,889 97,562 10,927 915,237 32,250 426,435 308,661 73,118	20.87 20.95 21.00 21.03 21.05 21.08 21.10 21.13 21.15 21.18 21.20	766,201 121 573 470 4,635 518 43,376 1,526 20,162 14,573 3,449



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		( - /	,	( - /	( - /	, ,
	PLANT M SURVIVOR CURV	E TOUTS 110	CO E			
	M SURVIVOR CURV BLE RETIREMENT Y					
	LVAGE PERCENT					
NEI DA	DVACE TERCENT	1				
1992	340,235.25	189,682	179,691	174,154	21.23	8,203
1993	293,374.42	160,579	152,121	152,989	21.25	7,199
1994	217,478.58	116,742	110,593	115,585	21.27	5,434
1995	161,073.22	84,653	80,194	87,322	21.30	4,100
1996	870,762.00	447,535	423,962	481,630	21.32	22,591
1997	94,685.01	47,493	44,991	53,481	21.35	2,505
1998	17,967.37	8,785	8,322	10,364	21.37	485
1999	16,971.18	8,070	7,645	10,005	21.39	468
2000	15,232.79	7,024	6,654	9,188	21.42	429
2001	201,214.30	89,811	85,080	124,182	21.44	5,792
2002	20,029.25	8,627	8,173	12,658	21.46	590
2003	116,435.80	48,179	45,641	75,452	21.49	3,511
2004	341,890.17	135,538	128,399	227,167	21.51	10,561
2005	190,758.00	72,092	68,295	130,094	21.53	6,042
2006 2007	809,136.76 304,716.70	289,544 102,725	274,293 97,314	567,209 219,591	21.56 21.58	26,308 10,176
2007	1,202,172.12	378,553	358,614	891,645	21.50	41,280
2009	2,011,808.24	585,441	554,604	1,537,676	21.62	71,123
2010	4,464.06	1,185	1,123	3,520	21.65	163
2011	707,732.71	168,627	159,745	576,297	21.67	26,594
2012	101,537.02	21,236	20,117	85,481	21.69	3,941
2013	121,114.52	21,506	20,373	105,586	21.71	4,863
2014	29,271.57	4,213	3,991	26,451	21.73	1,217
2015	365,357.65	39,016	36,961	343,011	21.76	15,763
2016	288,458.81	19,329	18,311	281,686	21.78	12,933
2017	763,217.47	17,796	16,859	776,888	21.80	35,637
	52,514,611.28	31,305,552	29,656,605	24,958,591		1,183,512
BLUNDE	LL GEOTHERMAL U	NIT 1				
INTERI	M SURVIVOR CURV	E IOWA 110-	S0.5			
PROBAB	LE RETIREMENT Y	EAR 12-203	7			
NET SA	LVAGE PERCENT	-9				
1984	5,296,681.46	3,599,993	3,217,537	2,555,845	19.21	133,048
1986	230,686.90	153,245	136,965	114,484	19.25	5,947
1987	25,218.36	16,546	14,788	12,700	19.27	659
1988	66,753.25	43,231	38,638	34,123	19.29	1,769
1990	110,869.66	69,799	62,384	58,464	19.33	3,025



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABI	L GEOTHERMAL U. I SURVIVOR CURV E RETIREMENT Y LVAGE PERCENT	E IOWA 110- EAR 12-203				
1992	18,136.91	11,058	9,883	9,886	19.37	510
1993	14,239.05	8,532	7,626	7,895	19.39	407
1995	83,814.04	48,315	43,182	48,175	19.43	2,479
1996	57,090.00	32,217	28,794	33,434	19.45	1,719
1999	13,749.75	7,202	6,437	8,550	19.51	438
2000	2,238.23	1,139	1,018	1,422	19.53	73
2001	8,536.96	4,208	3,761	5,544	19.55	284
2002	20,016.42	9,534	8,521	13,297	19.57	679
2004	68,344.56	30,052	26,859	47,636	19.61	2,429
2005	5,586.24	2,346	2,097	3,992	19.63	203
2006 2008	480,332.25 48,532.84	191,477 17,087	171,135 15,272	352,427 37,629	19.65 19.68	17,935 1,912
2011	64,661.89	17,338	15,496	54,985	19.74	2,785
2011	31,668.38	848	758	33,761	19.85	1,701
2017	31,000.30	010	750	33,701	17.03	Ι, / Ο Ι
	6,647,157.15	4,264,167	3,811,151	3,434,250		178,002
INTERIM PROBABI	L GEOTHERMAL U I SURVIVOR CURV E RETIREMENT Y LVAGE PERCENT	E IOWA 110- EAR 12-203				
2007	545,271.83	205,109	183,319	411,028	19.66	20,907
2011	15,778.16	4,231	3,782	13,417	19.74	680
2012	128,322.13	30,281	27,064	112,807	19.76	5,709
	689,372.12	239,621	214,164	537,252		27,296
INTERIM PROBABI	L GEOTHERMAL S' I SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	E IOWA 110- EAR 12-203				
1994	10,850.00	6,263	7,347	4,263	19.41	220
2008	67,355.66	23,280	27,308	44,762	19.68	2,274
2009	124,757.23	39,938	46,849	86,641	19.70	4,398
2014	47,800.27	7,667	8,994	42,153	19.79	2,130
	250,763.16	77,148	90,498	177,819		9,022



#### ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	DELL GEOTHERMAL CO RIM SURVIVOR CURVE BLE RETIREMENT YE BALVAGE PERCENT	I IOWA 110-5 AR 12-203				
1992	1,213.19	740	661	661	19.37	34
2008	94,883.64	33,407	29,858	73,565	19.68	3,738
2009	468,490.49	152,778	136,547	374,108	19.70	18,990
2011	109,985.57	29,490	26,357	93,527	19.74	4,738
2012	65,672.12	15,497	13,851	57,732	19.76	2,922
	740,245.01	231,912	207,274	599,593		30,422
	1,029,940,704.91	630,670,472	536,809,376	557,469,606		41,482,562
	COMPOSITE REMAINI	NG LIFE AND A	ANNUAL ACCRUAL	RATE, PERCENT	13.	4 4.03



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CHOLL	A PLANT UNIT 4					
	IM SURVIVOR CURV	/E IOWA 65-I	10.5			
PROBA	BLE RETIREMENT	YEAR 4-2025	5			
NET S	ALVAGE PERCENT.	5				
1978	7,151,342.33	6,201,533	3,701,841	3,807,069	6.94	548,569
1980	178,318.81	153,497	91,626	95,609	6.95	13,757
1981		95,797,766	57,183,933	60,118,975	6.95	8,650,212
1982	64,849.34	55,365	33,049	35,043	6.96	5,035
1983	768,133.11	652,999	389,790	416,749	6.96	59,878
1984	783,078.42	662,464	395,440	426,792	6.97	61,233
1985	772,630.93	650,259	388,155	423,108	6.98	60,617
1986	3,678,011.17	3,079,682	1,838,334	2,023,577	6.98	289,911
1987	261,512.06	217,701	129,951	144,637	6.99	20,692
1988	3,536,855.95	2,926,172	1,746,701	1,966,998	7.00	281,000
1989	990,298.34	813,935	485,857	553,956	7.01	79,024
1990	342,759.35	279,831	167,038	192,860	7.01	27,512
1991	58,008.00	47,004	28,058	32,851	7.02	4,680
1994	283,682.81	223,924	133,665	164,201	7.05	23,291
1996	901,986.64	697,406	416,298	530,788	7.06	75,182
1999	421,040.12	312,997	186,835	255,257	7.09	36,002
2000	2,380,950.30	1,742,423	1,040,093	1,459,905	7.10	205,620
2001	2,122,782.63	1,526,767	911,363	1,317,559	7.11	185,311
2002	592,555.45	418,039	249,537	372,646	7.12	52,338
2003	5,713,128.16	3,944,441	2,354,529	3,644,255	7.13	511,116
2004	7,191,067.91	4,845,611	2,892,459	4,658,162	7.14	652,404
2005	3,812,787.13	2,500,020	1,492,321	2,511,106	7.15	351,204
2006	414,957.55	263,876	157,514	278,192	7.15	38,908
2007	4,068,062.63	2,495,390	1,489,557	2,781,909	7.16	388,535
2008	153,840,863.25	90,477,812	54,008,328	107,524,578	7.17	14,996,454
2009	3,124,375.89	1,749,082	1,044,068	2,236,527	7.18	311,494
2010	133,013.56	70,170	41,886	97,778	7.19	13,599
2011	1,253,410.00	614,689	366,922	949,158	7.20	131,828
2012	893,730.29	399,728	238,607	699,810	7.21	97,061
2013	8,130,858.66	3,228,162	1,926,966	6,610,436	7.22	915,573
2014	4,150,786.94	1,399,589	835,448	3,522,879	7.23	487,259
2015	1,930,294.48	514,546	307,145	1,719,665	7.23	237,851
2016	5,491,256.40	972,002	580,211	5,185,608	7.25	715,256
2017	2,674,798.29	177,584	106,004	2,702,534	7.26	372,250
	339,829,242.37	230,112,466	137,359,528	219,461,176		30,900,656



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL
(1)	(2)	(3)	(4)	(5)	(6)	ACCRUAL (7)
( _ /	( \( \alpha \)	(3)	(1)	(3)	(0)	( / )
	RIP GENERATING S					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		17			
NET SA	ALVAGE PERCENT	- '/				
1984	48,117,961.08	38,754,706	29,046,200	22,440,018	9.32	2,407,727
1986	51,598,737.06	41,005,501	30,733,145	24,477,504	9.35	2,617,915
1987	5,524.97	4,359	3,267	2,645	9.36	283
1988	13,724.34	10,747	8,055	6,630	9.37	708
1989	79,834.95	61,983	46,456	38,968	9.39	4,150
1990	12,541.69	9,654	7,236	6,184	9.40	658
1991	7,774.70	5,929	4,444	3,875	9.41	412
1992	190,822.93	144,049	107,963	96,217	9.43	10,203
1993	33,746.47	25,205	18,891	17,218	9.44	1,824
1994	10,178.92	7,512	5,630	5,261	9.46	556
1995	45,488.35	33,164	24,856	23,817	9.47	2,515
1996	16,805.96	12,084	9,057	8,926	9.49	941
1997	136,500.10	96,678	72,459	73,596	9.51	7,739
1998	13,485.94	9,402	7,047	7,383	9.52	776
1999	33,753.41	23,119	17,327	18,789	9.54	1,969
2000	11,618.00	7,803	5,848	6,583	9.56	689
2001	876,120.96	576,278	431,914	505,536	9.57	52,825
2002	179,850.60	115,545	86,600	105,841	9.59	11,037
2003	1,147,192.19	717,717	537,921	689,575	9.61	71,756
2004	245,071.66	149,002	111,675	150,551	9.62	15,650
2005	1,167,610.33	686,551	514,562	734,781	9.64	76,222
2006	1,023,639.45	579,674	434,459	660,835	9.66	68,409
2007	1,413,870.04	767,600	575,307	937,534	9.67	96,953
2008	177,063.63	91,493	68,573	120,885	9.69	12,475
2009	1,195,797.22	583,415	437,263	842,240	9.70	86,829
2010	1,374,220.69	625,706	468,959	1,001,457	9.72	103,031
2011	865,338.42	362,263	271,512	654,400	9.74	67,187
2012	545,828.84	206,177	154,527	429,510	9.75	44,052
2013	1,343,825.52	443,676	332,530	1,105,363	9.77	113,138
2014	3,495,030.25	963,978	722,490	3,017,192	9.79	308,191
2015	268,513.26	57,462	43,067	244,242	9.80	24,923
2016	3,212,107.38	447,492	335,390	3,101,565	9.82	315,842
2017	3,490,138.45	177,125	132,753	3,601,695	9.84	366,026
	122,349,717.76	87,763,049	65,777,381	65,136,817		6,893,611



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CRATG	UNIT 1					
	IM SURVIVOR CURV	E IOWA 65-L	.0 5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
1980	19,954,139.25	16,580,325	13,685,408	6,867,356	7.54	910,790
1983	88,654.00	72,666	59,979	31,335	7.56	4,145
1984	289,679.00	236,216	194,973	103,397	7.57	13,659
1985	80,241.00	65,071	53,710	28,939	7.58	3,818
1986	85,762.00	69,171	57,094	31,241	7.58	4,122
1987	24,140.00	19,349	15,971	8,894	7.59	1,172
1988	47,708.00	37,991	31,358	17,781	7.60	2,340
1989	28,417.00	22,470	18,547	10,723	7.61	1,409
1991	27,636.00	21,517	17,760	10,705	7.63	1,403
1993	302,290.28	231,215	190,845	120,514	7.65	15,753
1994	17,789.39	13,471	11,119	7,204	7.66	940
1995	179,379.25	134,384	110,921	73,840	7.67	9,627
1996	99,326.05	73,547	60,706	41,600	7.68	5,417
1997	23,000.38	16,818	13,882	9,809	7.69	1,276
1998	778,552.34	561,465	463,433	338,475	7.70	43,958
1999	12,675.34	9,003	7,431	5,625	7.71	730
2000	72,910.03	50,941	42,047	33,051	7.72	4,281
2001	14,397.79	9,876	8,152	6,678	7.73	864
2002	17,654.74	11,867	9,795	8,389	7.74	1,084
2003	6,630,913.99	4,356,414	3,595,786	3,234,055	7.75	417,297
2004	234,289.46	150,059	123,859	117,459	7.76	15,136
2005	67,835.22	42,214	34,843	35,027	7.77	4,508
2006	26,722.61	16,083	13,275	14,249	7.79	1,829
2007	55,939.55	32,412	26,753	30,865	7.80	3,957
2008	378,860.52	210,106	173,422	216,805	7.81	27,760
2010	109,001.26	53,937	44,520	67,752	7.83	8,653
2011	1,452,185.71	665,834	549,580	946,172	7.84	120,685
2012	15,888.55	6,625	5,468	10,897	7.85	1,388
2013	141,950.50	52,397	43,249	102,961	7.86	13,099
2014	117,185.83	36,563	30,179	90,522	7.87	11,502
2015	155,164.42	37,904	31,286	128,533	7.88	16,311
2016	90,232.45	14,680	12,117	80,823	7.89	10,244
2017	1,074,288.37	64,543	53,274	1,053,243	7.91	133,153
	32,694,810.28	23,977,134	19,790,737	13,884,918		1,812,310



### ACCOUNT 312 BOILER PLANT EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CRAIG	UNIT 2					
	M SURVIVOR CURV	E IOWA 65-L	0.5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
1979	18,684,420.61	15,078,966	12,446,185	6,611,924	8.41	786,198
1983	83,295.00	65,936	54,424	30,537	8.44	3,618
1984	243,399.00	191,600	158,147	90,120	8.45	10,665
1985	49,542.00	38,769	32,000	18,533	8.46	2,191
1986	84,839.00	65,971	54,452	32,083	8.47	3,788
1987	35,653.00	27,540	22,732	13,635	8.48	1,608
1988	47,341.00	36,308	29,969	18,319	8.49	2,158
1989	51,379.00	39,109	32,281	20,126	8.50	2,368
1990	195,460.00	147,579	121,812	77,557	8.51	9,114
1993	23,857.15	17,510	14,453	9,882	8.55	1,156
1994	33,573.38	24,382	20,125	14,120	8.56	1,650
1995	918,767.77	659,205	544,108	393,035	8.58	45,808
1996	122,269.11	86,630	71,504	53,210	8.59	6,194
1997	70,933.24	49,576	40,920	31,432	8.60	3,655
1998	3,125.41	2,151	1,775	1,412	8.62	164
1999	21,361.08	14,466	11,940	9,848	8.63	1,141
2000	78,911.51	52,493	43,328	37,162	8.64	4,301
2001	152,259.59	99,266	81,934	73,371	8.66	8,472
2002	1,125,588.23	717,930	592,580	555,520	8.67	64,074
2003	195,983.08	122,023	100,718	99,185	8.68	11,427
2004	10,307,983.55	6,239,723	5,150,270	5,363,873	8.70	616,537
2005	6,628.80	3,891	3,212	3,550	8.71	408
2006	24,368.14	13,814	11,402	13,453	8.72	1,543
2007	100,555.76	54,732	45,176	57,391	8.74	6,566
2008	3,625.65	1,883	1,554	2,144	8.75	245
2009	36,518.64	17,964	14,827	22,422	8.76	2,560
2010	314,618.43	144,811	119,527	201,384	8.78	22,937
2012	15,552.72	5,984	4,939	10,925	8.80	1,241
2013	2,980,923.78	1,007,362	831,477	2,209,065	8.82	250,461
2014	30,875.69	8,792	7,257	24,236	8.83	2,745
2015	62,005.13	13,725	11,329	51,917	8.84	5,873
2017	37,670,545.37	2,009,189	1,658,385	36,765,571	8.88	4,140,267
	73,776,159.82	27,059,280	22,334,742	52,916,941		6,021,133
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### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		( - /	( - /	(-,	( - )	( - )
	COMMON		0 5			
	IM SURVIVOR CURV					
	BLE RETIREMENT Y ALVAGE PERCENT		10			
NEI SE	ALVAGE PERCENT	-3				
1979	12,223,152.52	9,961,213	8,221,990	4,367,857	8.41	519,365
1982	595.00	478	395	218	8.43	26
1983	59,468.00	47,536	39,236	22,016	8.44	2,609
1984	16,446.00	13,073	10,790	6,149	8.45	728
1985	29,595.00	23,386	19,303	11,180	8.46	1,322
1986	105,162.28	82,576	68,158	40,159	8.47	4,741
1987	53,037.00	41,370	34,147	20,481	8.48	2,415
1988	48,171.00	37,306	30,792	18,824	8.49	2,217
1989	419.00	322	266	166	8.50	20
1990	127,432.00	97,159	80,195	51,060	8.51	6,000
1991	14,353.00	10,845	8,951	5,832	8.53	684
1993	758,848.67	562,434	464,233	317,381	8.55	37,121
1994	190,008.97	139,341	115,012	80,697	8.56	9,427
1995	261,562.06	189,508	156,420	112,989	8.58	13,169
1996	63,430.74	45,383	37,459	27,875	8.59	3,245
1997	811,007.20	572,382	472,444	362,893	8.60	42,197
1998	179,741.96	124,936	103,122	82,012	8.62	9,514
1999	205,353.58	140,433	115,913	95,601	8.63	11,078
2000	163,244.16	109,657	90,511	77,631	8.64	8,985
2001	128,618.38	84,675	69,891	62,586	8.66	7,227
2002	165,925.30	106,869	88,210	82,693	8.67	9,538
2003	8,689,941.47	5,463,560	4,509,625	4,441,015	8.68	511,638
2004	279,940.74	171,118	141,241	147,098	8.70	16,908
2005	151,204.43	89,635	73,985	81,756	8.71	9,386
2006	375,281.23	214,831	177,322	209,218	8.72	23,993
2008	362,156.95	189,961	156,794	216,228	8.75	24,712
2009	187,074.87	92,927	76,702	115,985	8.76	13,240
2010	292,652.48	136,021	112,272	189,160	8.78	21,544
2011	929,991.79	399,173	329,478	628,414	8.79	71,492
2012	112,388.63	43,666	36,042	79,718	8.80	9,059
2013	609,278.02	207,916	171,614	455,942	8.82	51,694
2014	81,572.33	23,457	19,361	64,658	8.83	7,323
2015	454,008.26	101,480	83,762	383,867	8.84	43,424
2017	225,234.20	12,131	10,013	221,978	8.88	24,998
	28,356,297.22	19,536,758	16,125,649	13,081,337		1,521,039



#### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ר. דעומת	JOHNSTON UNIT 1					
	M SURVIVOR CURV	E IOWA 65-L	0.5			
	BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-4				
1958	3,488,245.58	2,991,173	2,534,010	1,093,765	9.06	120,725
1961	63,444.54	54,070	45,806	20,176	9.09	2,220
1963	1,117.38	948	803	359	9.11	39
1964	327,084.93	276,856	234,542	105,626	9.12	11,582
1965	9,516.76	8,035	6,807	3,090	9.13	338
1966	4,674.39	3,937	3,335	1,526	9.14	167
1967	613.42	515	436	202	9.15	22
1968	505.68	424	359	167	9.16	18
1969	2,402.96	2,007	1,700	799	9.17	87
1971	6,040.80	5,014	4,248	2,035	9.19	221
1972	6,372.01	5,269	4,464	2,163	9.21	235
1973	15,854.51	13,069 559	11,072 474	5,417 235	9.21	588
1974 1975	681.01 47,258.92	38,668	32,758	16,391	9.22 9.23	25 1,776
1975	11,323,373.51	9,228,033	7,817,645	3,958,664	9.23	428,427
1977	5,170,970.79	4,196,520	3,555,135	1,822,675	9.25	197,046
1978	17,199.82	13,897	11,773	6,115	9.26	660
1979	13,287.21	10,687	9,054	4,765	9.27	514
1980	12,954.77	10,369	8,784	4,689	9.28	505
1981	31,886.95	25,392	21,511	11,651	9.29	1,254
1982	45,400.67	35,960	30,464	16,753	9.30	1,801
1983	3,513.40	2,767	2,344	1,310	9.31	141
1987	16,509.26	12,660	10,725	6,445	9.36	689
1988	564,216.66	429,427	363,795	222,991	9.37	23,798
1989	215,561.81	162,668	137,806	86,378	9.39	9,199
1990	129,829.77	97,136	82,290	52,733	9.40	5,610
1991	152,625.75	113,137	95,845	62,885	9.41	6,683
1992	122,974.40	90,229	76,439	51,455	9.43	5,457
1993	1,222,499.50	887,462	751,825	519,575	9.44	55,040
1994	24,661.67	17,690	14,986	10,662	9.46	1,127
1995	38,811.70	27,503	23,300	17,065	9.47	1,802
1996 1997	166,592.61 1,853,947.27	116,423	98,629	74,627	9.49	7,864 89,053
1998	141,962.44	1,276,271 96,194	1,081,209 81,492	846,896 66,149	9.51 9.52	6,948
1999	136,723.61	91,023	77,111	65,081	9.54	6,822
2000	537,999.07	351,227	297,546	261,973	9.56	27,403
2000	430,220.46	275,048	233,010	214,419	9.57	22,405
2002	2,431,158.22	1,518,105	1,286,082	1,242,323	9.59	129,544
2003	795,965.81	484,017	410,041	417,763	9.61	43,472
		•	-	•		-



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	OHNSTON UNIT 1 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017	1,350,974.99 775,640.37 777,787.78 1,435,682.40 8,628,940.66 2,132,400.12 519,936.44 164,612.82 822,593.46 953,941.05 706,711.11 3,689,060.44 1,224,745.17 1,142,742.99	798,357 443,287 428,102 757,589 4,333,772 1,011,203 230,098 66,981 302,008 306,122 189,456 767,325 165,840 56,368	676,338 375,536 362,672 641,801 3,671,410 856,653 194,930 56,744 255,850 259,335 160,500 650,049 140,493 47,753	728,676 431,130 446,227 851,309 5,302,689 1,361,043 345,803 114,454 599,647 732,764 574,480 3,186,574 1,133,242 1,140,700 28,246,727	9.62 9.64 9.66 9.67 9.70 9.72 9.74 9.75 9.77 9.80 9.82 9.84	75,746 44,723 46,193 88,036 547,233 140,314 35,576 11,751 61,502 75,001 58,680 325,161 115,401 115,925
INTERI PROBAB	OHNSTON UNIT 2 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1971 1972 1973 1974 1975 1976	3,729,652.19 55,070.15 308.46 232.13 69,295.94 2,278.12 3,466.32 613.42 505.68 2,402.96 886.80 6,372.02 15,821.47 435.83 47,258.92 11,724,584.70 5,159,177.65	3,185,380 46,933 262 197 58,655 1,924 2,919 515 424 2,007 736 5,269 13,042 358 38,668 9,555,002 4,186,949	2,698,535 39,760 222 167 49,690 1,630 2,473 436 359 1,700 624 4,464 11,049 303 32,758 8,094,640 3,547,027	1,180,303 17,513 99 75 22,377 739 1,132 202 167 799 299 2,163 5,406 150 16,391 4,098,928 1,818,518	9.08 9.09 9.10 9.11 9.12 9.13 9.14 9.15 9.16 9.17 9.21 9.21 9.21 9.22	129,989 1,927 11 8 2,454 81 124 22 18 87 33 235 587 16 1,776 443,607 196,597



### ACCOUNT 312 BOILER PLANT EQUIPMENT

V E V D	ORIGINAL COST	CALCULATED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM.	ANNUAL
YEAR (1)	(2)	ACCRUED (3)	(4)	(5)	LIFE (6)	ACCRUAL (7)
		(3)	(1)	(3)	(0)	( / /
	JOHNSTON UNIT 2					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		./			
NET SA	ALVAGE PERCENT	-4				
1978	17,199.81	13,897	11,773	6,115	9.26	660
1979	13,455.55	10,822	9,168	4,826	9.27	521
1980	1,018.31	815	690	369	9.28	40
1981	31,886.94	25,392	21,511	11,651	9.29	1,254
1982	52,874.96	41,880	35,479	19,511	9.30	2,098
1983	3,513.39	2,767	2,344	1,310	9.31	141
1988	821,174.41	624,998	529,475	324,546	9.37	34,637
1989	12,476.09	9,415	7,976	4,999	9.39	532
1990	225,556.76	168,756	142,964	91,615	9.40	9,746
1991	150,577.23	111,618	94,559	62,042	9.41	6,593
1992	1,088,048.49	798,323	676,309	455,261	9.43	48,278
1993	284,495.45	206,527	174,962	120,913	9.44	12,809
1994	706,936.18	507,099	429,595	305,618	9.46	32,306
1995	78,561.00	55,669	47,161	34,543	9.47	3,648
1996	219,351.18	153,293	129,864	98,261	9.49	10,354
1997	303,147.33	208,689	176,794	138,480	9.51	14,562
1998	398,176.74	269,805	228,569	185,535	9.52	19,489
1999	198,790.27	132,344	112,117	94,625	9.54	9,919
2000	2,922,755.90	1,908,090	1,616,462	1,423,204	9.56	148,871
2001	554,314.33	354,384	300,221	276,266	9.57	28,868
2002	75,944.56	47,423	40,175	38,807	9.59	4,047
2003	93,443.01	56,822	48,137	49,043	9.61	5,103
2004	508,159.96	300,297	254,400	274,086	9.62	28,491
2005	190,413.43	108,823	92,191	105,839	9.64	10,979
2006	725,632.39	399,395	338,353	416,305	9.66	43,096
2007	9,040,820.31	4,770,711	4,041,568	5,360,885	9.67	554,383
2008	2,020,664.97	1,014,852	859,745	1,241,747	9.69	128,147
2009	1,854,610.90	879,473	745,057	1,183,739	9.70	122,035
2010	677,236.36	299,712	253,905	450,421	9.72	46,340
2011	382,574.74	155,670	131,878	266,000	9.74	27,310
2012	854,900.36	313,869	265,898	623,198	9.75	63,918
2013	1,238,963.52	397,586	336,820	951,702	9.77	97,411
2014	5,925,080.85	1,588,400	1,345,633	4,816,451	9.79	491,977
2015	3,205,178.28	666,677	564,784	2,768,602	9.80	282,510
2016	661,687.20	89,598	75,904	612,251	9.82	62,347
2017	807,794.46	39,846	33,756	806,350	9.84	81,946
	57,165,778.38	33,832,977	28,662,033	30,790,377		3,212,938

#### ACCOUNT 312 BOILER PLANT EQUIPMENT

1965         2,278.12         1,924         1,630         739         9.13         81           1966         3,527.85         2,971         2,517         1,152         9.14         126           1967         1,459.52         1,226         1,039         479         9.15         52           1968         5,647.46         4,730         4,007         1,866         9.16         204           1969         2,402.96         2,007         1,700         799         9.17         87           1971         866.80         736         624         299         9.19         33           1972         4,685.51         3,875         3,283         1,590         9.21         173           1973         16,841.06         13,882         11,760         5,754         9.21         625           1974         435.83         358         303         150         9.22         16           1975         175,456.03         143,560         121,619         60,856         9.23         6,593           1977         107,410.91         87,170         73,847         37,860         9.25         4,093           1978         8,726.31         7,051		ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
DAVE JOHNSTON UNIT 3 INTERIM SURVIVOR CURVE. IOWA 65-L0.5 PROBABLE RETIREMENT YEAR 12-2027 NET SALVAGE PERCENT4  1964 7,201,664.06 6,095,742 5,164,085 2,325,646 9.12 255,005 1965 2,278.12 1,924 1,630 739 9.13 81 1966 3,527.85 2,971 2,517 1,152 9.14 126 1967 1,459,52 1,226 1,039 479 9.15 52 1968 5,647.46 4,730 4,007 1,866 9.16 204 1969 2,402.96 2,007 1,700 799 9.17 87 1971 886.80 736 624 299 9.19 33 1972 4,685.51 3,875 3,283 1,590 9.21 173 1973 16,841.06 13,882 11,760 5,754 9.21 625 1974 435.83 358 303 150 9.22 16 1975 175,456.03 143,550 121,619 60.856 9.23 6,593 1977 07,410.91 87,170 73,847 37,860 9.25 4,093 1978 8,726.31 7,051 5,973 3,102 9.26 335 1980 21,741.34 17,402 14,742 7,869 9.28 848 1982 67,435.54 53,413 45,249 24,883 9.30 2,676 1984 7,093,365.32 5,517,849 4,674.515 2,702,585 9.33 289,666 1986 177,697.06 137,256 116,278 68,527 9.35 7,329 1988 88,807.73 676,170 572,826 351,118 9.37 37,473 1989 650,654.97 491,000 415,957 260,724 9.39 27,766 1991 193,462.29 143,408 121,490 79,711 9,41 8,471 1992 872,784.22 640,379 542,505 365,190 9.49 18,841 1991 193,462.29 143,408 121,490 79,711 9,41 8,471 1992 872,784.22 640,379 542,505 365,190 9.49 18,481 1993 41,387,671.45 995,403 843,268 599,910 9.46 63,415 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,452 285,662 9.56 29,881 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,452 285,662 9.56 29,881 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,452 285,662 9.56 29,881 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,452 285,662 9.56 29,881 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,452 285,662 9.56 29,881 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,452 285,662 9.56 29,881	YEAR	COST				LIFE	ACCRUAL
INTERIM SURVIVOR CURVE 10WA 65-L0.5 PROBABLE RETIREMENT YEAR 12-2027 NET SALVAGE PERCENT4  1964	(1)	(2)	(3)	(4)	(5)	(6)	(7)
PROBABLE RETIREMENT YEAR 12-2027 NET SALVAGE PERCENT4  1964 7,201,664.06 6,095,742 5,164,085 2,325,646 9.12 255,005 1965 2,278.12 1,924 1,630 739 9.13 81 1966 3,527.85 2,971 2,517 1,152 9.14 126 1967 1,459.52 1,226 1,039 479 9.15 52 1968 5,647.46 4,730 4,007 1,866 9.16 204 1969 2,402.96 2,007 1,700 799 9.17 87 1971 886.80 736 624 299 9.19 33 1972 4,685.51 3,875 3,283 1,590 9.21 173 1973 16,841.06 13,882 11,760 5,754 9.21 625 1974 435.83 358 303 150 9.22 16 1975 175,456.03 143,560 121,619 60,856 9.23 6,593 1976 97,873.13 79,762 67,571 34,217 9.24 3,703 1977 107,410.91 87,170 73,847 37,860 9.25 4,093 1978 8,726.31 7,051 5,973 3,102 9.26 335 1980 21,741.34 17,402 14,742 7,869 9.28 848 1982 67,435.54 53,413 45,249 24,883 9.30 22,676 1984 57,216.94 44,791 37,945 21,560 9.32 2,313 1985 7,093,365.32 5,517,849 4,674,515 2,702,585 9.33 289,666 1986 177,697.06 137,256 116,78 66,527 9.35 7,329 1988 888,407.73 676,170 572,826 351,118 9.37 37,473 1989 650,654.97 491,000 415,957 260,724 9.39 27,766 1990 628,470.04 470,206 388,341 255,268 9.40 27,156 1991 193,462.29 143,408 121,490 79,711 9.41 8,471 1992 872,784.22 640,379 542,505 365,190 9.49 195,048 1997 328,620.08 226,224 191,649 150,116 9.51 15,785 1998 4,1387,671.45 995,403 843,268 599,910 9.46 63,415 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,465 1,851,009 9.49 195,048 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,465 1,851,009 9.49 195,048 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,465 1,861,009 9.49 195,048 1999 4,308,396.21 2,868,296 2,429,913 2,050,819 9.54 214,971 2000 586,648.19 382,987 324,465 1,862,666 9.56 29,881 2001 2,412,729,76 1,542,504 1,306,752 1,202,487 9.57 125,562 2002 135,682.38 84,725 71,776 69,334 9.59 7,230 2003 309,985.53 188,498 159,688 162,696 9.61 16,930	DAVE J	OHNSTON UNIT 3					
NET SALVAGE PERCENT 4	INTERI	M SURVIVOR CURVI	E IOWA 65-I	0.5			
1964				.7			
1965         2,278.12         1,924         1,630         739         9.13         81           1966         3,527.85         2,971         2,517         1,152         9.14         126           1967         1,459.52         1,226         1,039         479         9.15         52           1968         5,647.46         4,730         4,007         1,866         9.16         204           1969         2,402.96         2,007         1,700         799         9.17         87           1971         866.80         736         624         299         9.19         33           1972         4,685.51         3,875         3,283         1,590         9.21         173           1973         16,841.06         13,882         11,760         5,754         9.21         625           1974         435.83         358         303         150         9.22         16           1975         175,456.03         143,560         121,619         60,856         9.23         6,593           1977         107,410.91         87,170         73,847         37,860         9.25         4,093           1978         8,726.31         7,051	NET SA	LVAGE PERCENT	-4				
1966         3,527.85         2,971         2,517         1,152         9.14         126           1967         1,459.52         1,226         1,039         479         9.15         52           1968         5,647.46         4,730         4,007         1,866         9.16         204           1969         2,402.96         2,007         1,700         799         9.17         87           1971         886.80         736         624         299         9.19         33           1972         4,685.51         3,875         3,283         1,590         9.21         173           1973         16,841.06         13,882         11,760         5,754         9.21         625           1974         435.83         358         303         150         9.21         16           1975         175,456.03         143,560         121,619         60,856         9.23         6,593           1976         97,873.13         79,762         67,571         34,217         9.24         3,703           1977         107,410.91         87,170         73,847         37,860         9.28         848           1980         21,741.34         17,402	1964	7,201,664.06	6,095,742	5,164,085	2,325,646	9.12	255,005
1967         1,459.52         1,226         1,039         479         9.15         52           1968         5,647.46         4,730         4,007         1,866         9.16         204           1971         886.80         736         624         299         9.17         87           1971         4,685.51         3,875         3,283         1,590         9.21         173           1973         16,841.06         13,882         11,760         5,754         9.21         625           1974         435.83         358         303         150         9.22         16           1975         175,456.03         143,560         121,619         60,856         9.23         6,593           1976         97,873.13         79,762         67,571         34,217         9.24         3,703           1977         107,410.91         87,170         73,847         37,860         9.25         4,093           1978         8,726.31         7,051         5,973         3,102         9.26         335           1980         21,741.34         17,402         14,742         7,869         9.28         848           1982         67,435.54 <t< td=""><td></td><td>2,278.12</td><td>·</td><td></td><td>739</td><td>9.13</td><td>81</td></t<>		2,278.12	·		739	9.13	81
1968         5,647.46         4,730         4,007         1,866         9.16         204           1969         2,402.96         2,007         1,700         799         9.17         87           1971         886.80         736         624         299         9.19         33           1972         4,685.51         3,875         3,283         1,590         9.21         173           1973         16,841.06         13,882         11,760         5,754         9.21         1625           1974         435.83         358         303         150         9.22         16           1975         175,456.03         143,560         121,619         60,856         9.23         6,593           1976         97,873.13         79,762         67,571         34,217         9.24         3,703           1977         107,410.91         87,170         73,847         37,860         9.25         4,093           1980         21,741.34         17,402         14,742         7,869         9.28         848           1981         67,435.54         53,413         45,249         24,883         9.30         2,676           1984         57,216.94							126
1969         2,402.96         2,007         1,700         799         9.17         87           1971         886.80         736         624         299         9.19         33           1972         4,685.51         3,875         3,283         1,590         9.21         173           1973         16,841.06         13,882         11,760         5,754         9.21         625           1974         435.83         358         303         150         9.22         16           1975         175,456.03         143,560         121,619         60,856         9.23         6,593           1976         97,873.13         79,762         67,571         34,217         9.24         3,703           1977         107,410.91         87,170         73,847         37,860         9.25         4,093           1978         8,726.31         7,051         5,973         3,102         9.26         335           1980         21,741.34         17,402         14,742         7,869         9.28         848           1982         67,435.54         53,413         45,249         24,883         9.30         2,676           1984         57,216.94							52
1971       886.80       736       624       299       9.19       33         1972       4,685.51       3,875       3,283       1,590       9.21       173         1973       16,841.06       13,882       11,760       5,754       9.21       625         1974       435.83       358       303       150       9.22       16         1975       175,456.03       143,560       121,619       60,856       9.23       6,593         1976       97,873.13       79,762       67,571       34,217       9.24       3,703         1977       107,410.91       87,170       73,847       37,860       9.25       4,093         1978       8,726.31       7,051       5,973       3,102       9.26       335         1980       21,741.34       17,402       14,742       7,869       9.28       848         1982       67,435.54       53,413       45,249       24,883       9.30       2,676         1984       57,216.94       44,791       37,945       21,560       9.32       2,313         1985       7,093,365.32       5,517,849       4,674,515       2,702,585       9.33       289,666							204
1972       4,685.51       3,875       3,283       1,590       9.21       173         1973       16,841.06       13,882       11,760       5,754       9.21       625         1974       435.83       358       303       150       9.22       16         1975       175,456.03       143,560       121,619       60,856       9.23       6,593         1976       97,873.13       79,762       67,571       34,217       9.24       3,703         1977       107,410.91       87,170       73,847       37,860       9.25       4,093         1978       8,726.31       7,051       5,973       3,102       9.26       335         1980       21,741.34       17,402       14,742       7,869       9.28       848         1982       67,435.54       53,413       45,249       24,883       9.30       2,676         1984       57,216.94       44,791       37,945       21,560       9.32       2,313         1985       7,093,365.32       5,517,849       4,674,515       2,702,585       9.33       289,666         1986       177,697.06       137,256       116,278       68,527       9.35       7,329							
1973         16,841.06         13,882         11,760         5,754         9.21         625           1974         435.83         358         303         150         9.22         16           1975         175,456.03         143,560         121,619         60,856         9.23         6,593           1976         97,873.13         79,762         67,571         34,217         9.24         3,703           1977         107,410.91         87,170         73,847         37,860         9.25         4,093           1978         8,726.31         7,051         5,973         3,102         9.26         335           1980         21,741.34         17,402         14,742         7,869         9.28         848           1982         67,435.54         53,413         45,249         24,883         9.30         2,676           1984         57,216.94         44,791         37,945         21,560         9.32         2,313           1985         7,033,365.32         5,517,849         4,674,515         2,702,885         9.33         289,666           1986         177,697.06         137,256         116,278         68,527         9.35         7,329					299		33
1974         435.83         358         303         150         9.22         16           1975         175,456.03         143,560         121,619         60,856         9.23         6,593           1976         97,873.13         79,762         67,571         34,217         9.24         3,703           1977         107,410.91         87,170         73,847         37,860         9.25         4,093           1978         8,726.31         7,051         5,973         3,102         9.26         335           1980         21,741.34         17,402         14,742         7,869         9.28         848           1982         67,435.54         53,413         45,249         24,883         9.30         2,676           1984         57,216.94         44,791         37,945         21,560         9.32         2,313           1985         7,093,365.32         5,517,849         4,674,515         2,702,585         9.33         289,666           1986         177,697.06         137,256         116,278         68,527         9.35         7,329           1988         888,407.73         676,170         572,826         351,118         9.37         37,473 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>173</td></tr<>							173
1975       175,456.03       143,560       121,619       60,856       9.23       6,593         1976       97,873.13       79,762       67,571       34,217       9.24       3,703         1977       107,410.91       87,170       73,847       37,860       9.25       4,093         1978       8,726.31       7,051       5,973       3,102       9.26       335         1980       21,741.34       17,402       14,742       7,869       9.28       848         1982       67,435.54       53,413       45,249       24,883       9.30       2,676         1984       57,216.94       44,791       37,945       21,560       9.32       2,313         1985       7,093,365.32       5,517,849       4,674,515       2,702,585       9.33       289,666         1986       177,697.06       137,256       116,278       68,527       9.35       7,329         1988       888,407.73       676,170       572,826       351,118       9.37       37,473         1989       650,654.97       491,000       415,957       260,724       9.39       27,766         1991       193,462.29       143,408       121,490       79,711 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
1976         97,873.13         79,762         67,571         34,217         9.24         3,703           1977         107,410.91         87,170         73,847         37,860         9.25         4,093           1978         8,726.31         7,051         5,973         3,102         9.26         335           1980         21,741.34         17,402         14,742         7,869         9.28         848           1982         67,435.54         53,413         45,249         24,883         9.30         2,676           1984         57,216.94         44,791         37,945         21,560         9.32         2,313           1985         7,093,365.32         5,517,849         4,674,515         2,702,585         9.33         289,666           1986         177,697.06         137,256         116,278         68,527         9.35         7,329           1988         888,407.73         676,170         572,826         351,118         9.37         37,473           1989         650,654.97         491,000         415,957         260,724         9.39         27,766           1990         628,470.04         470,206         398,341         255,268         9.40         27,156<							16
1977       107,410.91       87,170       73,847       37,860       9.25       4,093         1978       8,726.31       7,051       5,973       3,102       9.26       335         1980       21,741.34       17,402       14,742       7,869       9.28       848         1982       67,435.54       53,413       45,249       24,883       9.30       2,676         1984       57,216.94       44,791       37,945       21,560       9.32       2,313         1985       7,093,365.32       5,517,849       4,674,515       2,702,585       9.33       289,666         1986       177,697.06       137,256       116,278       68,527       9.35       7,329         1988       888,407.73       676,170       572,826       351,118       9.37       37,473         1990       628,470.04       470,206       398,341       255,268       9.40       27,156         1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178							6,593
1978       8,726.31       7,051       5,973       3,102       9.26       335         1980       21,741.34       17,402       14,742       7,869       9.28       848         1982       67,435.54       53,413       45,249       24,883       9.30       2,676         1984       57,216.94       44,791       37,945       21,560       9.32       2,313         1985       7,093,365.32       5,517,849       4,674,515       2,702,585       9.35       7,329         1988       888,407.73       676,170       572,826       351,118       9.37       37,473         1989       650,654.97       491,000       415,957       260,724       9.39       27,766         1990       628,470.04       470,206       398,341       255,268       9.40       27,156         1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910 </td <td></td> <td></td> <td></td> <td></td> <td>34,217</td> <td></td> <td>3,703</td>					34,217		3,703
1980         21,741.34         17,402         14,742         7,869         9.28         848           1982         67,435.54         53,413         45,249         24,883         9.30         2,676           1984         57,216.94         44,791         37,945         21,560         9.32         2,313           1985         7,093,365.32         5,517,849         4,674,515         2,702,585         9.33         289,666           1986         177,697.06         137,256         116,278         68,527         9.35         7,329           1988         888,407.73         676,170         572,826         351,118         9.37         37,473           1989         650,654.97         491,000         415,957         260,724         9.39         27,766           1990         628,470.04         470,206         398,341         255,268         9.40         27,156           1991         193,462.29         143,408         121,490         79,711         9.41         8,471           1992         872,784.22         640,379         542,505         365,190         9.43         38,726           1993         421,586.37         306,047         259,272         179,178         9.44	1977	107,410.91					4,093
1982       67,435.54       53,413       45,249       24,883       9.30       2,676         1984       57,216.94       44,791       37,945       21,560       9.32       2,313         1985       7,093,365.32       5,517,849       4,674,515       2,702,585       9.33       289,666         1986       177,697.06       137,256       116,278       68,527       9.35       7,329         1988       888,407.73       676,170       572,826       351,118       9.37       37,473         1989       650,654.97       491,000       415,957       260,724       9.39       27,766         1990       628,470.04       470,206       398,341       255,268       9.40       27,156         1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242	1978				3,102		335
1984       57,216.94       44,791       37,945       21,560       9.32       2,313         1985       7,093,365.32       5,517,849       4,674,515       2,702,585       9.33       289,666         1986       177,697.06       137,256       116,278       68,527       9.35       7,329         1988       888,407.73       676,170       572,826       351,118       9.37       37,473         1989       650,654.97       491,000       415,957       260,724       9.39       27,766         1990       628,470.04       470,206       398,341       255,268       9.40       27,156         1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,34					7,869		848
1985       7,093,365.32       5,517,849       4,674,515       2,702,585       9.33       289,666         1986       177,697.06       137,256       116,278       68,527       9.35       7,329         1988       888,407.73       676,170       572,826       351,118       9.37       37,473         1989       650,654.97       491,000       415,957       260,724       9.39       27,766         1990       628,470.04       470,206       398,341       255,268       9.40       27,156         1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,964         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1998       307,031.45       208,045 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
1986       177,697.06       137,256       116,278       68,527       9.35       7,329         1988       888,407.73       676,170       572,826       351,118       9.37       37,473         1989       650,654.97       491,000       415,957       260,724       9.39       27,766         1990       628,470.04       470,206       398,341       255,268       9.40       27,156         1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248							
1988       888,407.73       676,170       572,826       351,118       9.37       37,473         1989       650,654.97       491,000       415,957       260,724       9.39       27,766         1990       628,470.04       470,206       398,341       255,268       9.40       27,156         1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248       143,065       9.52       15,028         1999       4,308,396.21       2,868,296       2			5,517,849	4,674,515	2,702,585		289,666
1989       650,654.97       491,000       415,957       260,724       9.39       27,766         1990       628,470.04       470,206       398,341       255,268       9.40       27,156         1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248       143,065       9.52       15,028         1999       4,308,396.21       2,868,296       2,429,913       2,050,819       9.54       214,971         2000       586,648.19       382,987					68,527		
1990       628,470.04       470,206       398,341       255,268       9.40       27,156         1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248       143,065       9.52       15,028         1999       4,308,396.21       2,868,296       2,429,913       2,050,819       9.54       214,971         2000       586,648.19       382,987       324,452       285,662       9.56       29,881         2001       2,412,729.76       1,542,504							
1991       193,462.29       143,408       121,490       79,711       9.41       8,471         1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248       143,065       9.52       15,028         1999       4,308,396.21       2,868,296       2,429,913       2,050,819       9.54       214,971         2000       586,648.19       382,987       324,452       285,662       9.56       29,881         2001       2,412,729.76       1,542,504       1,306,752       1,202,487       9.57       125,652         2002       135,682.38       84,725 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1992       872,784.22       640,379       542,505       365,190       9.43       38,726         1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248       143,065       9.52       15,028         1999       4,308,396.21       2,868,296       2,429,913       2,050,819       9.54       214,971         2000       586,648.19       382,987       324,452       285,662       9.56       29,881         2001       2,412,729.76       1,542,504       1,306,752       1,202,487       9.57       125,652         2002       135,682.38       84,725       71,776       69,334       9.59       7,230         2003       309,985.53       188,498							
1993       421,586.37       306,047       259,272       179,178       9.44       18,981         1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248       143,065       9.52       15,028         1999       4,308,396.21       2,868,296       2,429,913       2,050,819       9.54       214,971         2000       586,648.19       382,987       324,452       285,662       9.56       29,881         2001       2,412,729.76       1,542,504       1,306,752       1,202,487       9.57       125,652         2002       135,682.38       84,725       71,776       69,334       9.59       7,230         2003       309,985.53       188,498       159,688       162,696       9.61       16,930         2004       737,924.15       436,075							
1994       1,387,671.45       995,403       843,268       599,910       9.46       63,415         1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248       143,065       9.52       15,028         1999       4,308,396.21       2,868,296       2,429,913       2,050,819       9.54       214,971         2000       586,648.19       382,987       324,452       285,662       9.56       29,881         2001       2,412,729.76       1,542,504       1,306,752       1,202,487       9.57       125,652         2002       135,682.38       84,725       71,776       69,334       9.59       7,230         2003       309,985.53       188,498       159,688       162,696       9.61       16,930         2004       737,924.15       436,075       369,426       398,015       9.62       41,374							
1995       107,014.71       75,832       64,242       47,053       9.47       4,969         1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248       143,065       9.52       15,028         1999       4,308,396.21       2,868,296       2,429,913       2,050,819       9.54       214,971         2000       586,648.19       382,987       324,452       285,662       9.56       29,881         2001       2,412,729.76       1,542,504       1,306,752       1,202,487       9.57       125,652         2002       135,682.38       84,725       71,776       69,334       9.59       7,230         2003       309,985.53       188,498       159,688       162,696       9.61       16,930         2004       737,924.15       436,075       369,426       398,015       9.62       41,374							18,981
1996       4,132,072.30       2,887,694       2,446,346       1,851,009       9.49       195,048         1997       328,620.08       226,224       191,649       150,116       9.51       15,785         1998       307,031.45       208,045       176,248       143,065       9.52       15,028         1999       4,308,396.21       2,868,296       2,429,913       2,050,819       9.54       214,971         2000       586,648.19       382,987       324,452       285,662       9.56       29,881         2001       2,412,729.76       1,542,504       1,306,752       1,202,487       9.57       125,652         2002       135,682.38       84,725       71,776       69,334       9.59       7,230         2003       309,985.53       188,498       159,688       162,696       9.61       16,930         2004       737,924.15       436,075       369,426       398,015       9.62       41,374							
1997     328,620.08     226,224     191,649     150,116     9.51     15,785       1998     307,031.45     208,045     176,248     143,065     9.52     15,028       1999     4,308,396.21     2,868,296     2,429,913     2,050,819     9.54     214,971       2000     586,648.19     382,987     324,452     285,662     9.56     29,881       2001     2,412,729.76     1,542,504     1,306,752     1,202,487     9.57     125,652       2002     135,682.38     84,725     71,776     69,334     9.59     7,230       2003     309,985.53     188,498     159,688     162,696     9.61     16,930       2004     737,924.15     436,075     369,426     398,015     9.62     41,374							
1998     307,031.45     208,045     176,248     143,065     9.52     15,028       1999     4,308,396.21     2,868,296     2,429,913     2,050,819     9.54     214,971       2000     586,648.19     382,987     324,452     285,662     9.56     29,881       2001     2,412,729.76     1,542,504     1,306,752     1,202,487     9.57     125,652       2002     135,682.38     84,725     71,776     69,334     9.59     7,230       2003     309,985.53     188,498     159,688     162,696     9.61     16,930       2004     737,924.15     436,075     369,426     398,015     9.62     41,374							
1999       4,308,396.21       2,868,296       2,429,913       2,050,819       9.54       214,971         2000       586,648.19       382,987       324,452       285,662       9.56       29,881         2001       2,412,729.76       1,542,504       1,306,752       1,202,487       9.57       125,652         2002       135,682.38       84,725       71,776       69,334       9.59       7,230         2003       309,985.53       188,498       159,688       162,696       9.61       16,930         2004       737,924.15       436,075       369,426       398,015       9.62       41,374							
2000       586,648.19       382,987       324,452       285,662       9.56       29,881         2001       2,412,729.76       1,542,504       1,306,752       1,202,487       9.57       125,652         2002       135,682.38       84,725       71,776       69,334       9.59       7,230         2003       309,985.53       188,498       159,688       162,696       9.61       16,930         2004       737,924.15       436,075       369,426       398,015       9.62       41,374							
2001       2,412,729.76       1,542,504       1,306,752       1,202,487       9.57       125,652         2002       135,682.38       84,725       71,776       69,334       9.59       7,230         2003       309,985.53       188,498       159,688       162,696       9.61       16,930         2004       737,924.15       436,075       369,426       398,015       9.62       41,374							
2002       135,682.38       84,725       71,776       69,334       9.59       7,230         2003       309,985.53       188,498       159,688       162,696       9.61       16,930         2004       737,924.15       436,075       369,426       398,015       9.62       41,374							
2003       309,985.53       188,498       159,688       162,696       9.61       16,930         2004       737,924.15       436,075       369,426       398,015       9.62       41,374							
2004 737,924.15 436,075 369,426 398,015 9.62 41,374							
	2003	309,985.53				9.61	
2005 $7545$ $311$ $42$ $4$ $312$ $220$ $2$ $652$ $160$ $4$ $102$ $064$ $0$ $64$ $425$ $050$							
	2005	7,545,311.43	4,312,230	3,653,160	4,193,964	9.64	435,059
2006 639,654.67 352,072 298,262 366,979 9.66 37,990							
2007 577,112.60 304,534 257,990 342,207 9.67 35,389	2007	577,112.60	304,534	257,990	342,207	9.67	35,389



### ACCOUNT 312 BOILER PLANT EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR (1)	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL (7)
( 1 )	( 2 )	(3)	(4)	(5)	(0)	( / )
	JOHNSTON UNIT 3					
	IM SURVIVOR CURV BLE RETIREMENT Y					
	BLE RETTREMENT 1 ALVAGE PERCENT		i /			
NEI DE	ALVAGE TERCENT	. 1				
2008	497,370.18	249,798	211,620	305,645	9.69	31,542
2009	2,046,249.26	970,349	822,043	1,306,056	9.70	134,645
	167,825,707.40	74,271,468	62,920,011	111,618,725	9.72	11,483,408
2011	294,565.92	119,859	101,540	204,808	9.74	21,028
2012 2013	701,074.28 185,875.17	257,393 59,648	218,054 50,532	511,064 142,779	9.75 9.77	52,417 14,614
2013	830,342.11	222,599	188,578	674,978	9.79	68,946
2015	9,171,472.57	1,907,666	1,616,103	7,922,228	9.80	808,391
2016	815,908.71	110,481	93,595	754,950	9.82	76,879
2017	1,176,257.64	58,021	49,153	1,174,155	9.84	119,325
	225,762,795.52	108,035,316	91,523,481	143,269,826		14,782,447
DATE	TOURIGHON UNITH A					
	JOHNSTON UNIT 4 IM SURVIVOR CURV	7₽ TOWN 65_T	0 5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT		,			
1972	14,749,176.95	12,196,920	10,332,775	5,006,369	9.21	543,580
1974	239,067.23	196,353	166,343	82,287	9.22	8,925
1975 1976	114,666.36 516,096.01	93,821	79,482 356,312	39,771 180,427	9.23 9.24	4,309 19,527
1970	215,821.55	420,595 175,151	148,381	76,073	9.24	8,224
1978	3,070.33	2,481	2,102	1,091	9.26	118
1979	22,251.22	17,896	15,161	7,980	9.27	861
1980	40,067.84	32,070	27,169	14,502	9.28	1,563
1982	36,959.88	29,275	24,801	13,638	9.30	1,466
1987	169,336.72	129,858	110,011	66,099	9.36	7,062
1988	754,658.96	574,373	486,587	298,258	9.37	31,831
1989	3,414,044.59	2,576,320	2,182,562	1,368,044	9.39	145,692
1990	257,413.82	192,591	163,156	104,554	9.40	11,123
1991 1992	1,550,464.13 134,154.53	1,149,313 98,432	973,655 83,388	638,828 56,133	9.41 9.43	67,888 5,953
1993	899,111.02	652,701	552,944	382,132	9.44	40,480
1994	29,754.89	21,344	18,082	12,863	9.46	1,360
1995	3,613,090.01	2,560,288	2,168,980	1,588,633	9.47	167,754
1996	278,047.28	194,313	164,615	124,554	9.49	13,125
1997	425,735.76	293,080	248,286	194,479	9.51	20,450
1998	252,608.16	171,168	145,007	117,705	9.52	12,364



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	JOHNSTON UNIT 4 IM SURVIVOR CURV BLE RETIREMENT V ALVAGE PERCENT	YEAR 12-202				
1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2010 2011 2012 2013 2014 2015 2016 2017	5,971,313.53 65,419.59 3,098,956.00 478,161.35 7,932,314.72 177,130.90 336,171.34 1,020,978.96 374,674.71 369,234.28 67,137,608.87 478,835.43 537,484.50 104,143,202.86 422,383.32 210,154.48 3,470,655.49 802,472.04 6,152,738.68	3,975,376 42,708 1,981,222 298,582 4,823,545 104,675 192,126 561,957 197,710 185,443 31,837,245 211,909 218,702 38,235,219 135,544 56,338 721,896 108,661 303,497	3,367,790 36,181 1,678,417 252,948 4,086,327 88,677 162,762 476,069 167,493 157,100 26,971,324 179,521 185,276 32,391,448 114,828 47,727 611,563 92,054 257,111	2,842,376 31,856 1,544,497 244,340 4,163,280 95,539 186,856 585,749 222,169 226,903 42,851,789 318,467 373,708 75,917,483 324,451 170,833 2,997,918 742,517 6,141,737	9.54 9.56 9.57 9.59 9.61 9.62 9.64 9.66 9.70 9.72 9.74 9.75 9.77 9.79 9.80 9.82	297,943 3,332 161,389 25,479 433,224 9,931 19,383 60,637 22,975 23,416 4,417,710 32,764 38,368 7,786,409 33,209 17,450 305,910 75,613 624,160
	230,895,488.29	105,970,698	89,774,414	150,356,893		15,502,957
INTER PROBA	JOHNSTON COMMON IM SURVIVOR CURV BLE RETIREMENT V ALVAGE PERCENT	YEAR 12-202				
1958 1960 1961 1963	727,189.65 146,221.00 519.77 1,231.71	623,566 124,883 443 1,045	528,262 105,796 375 885	228,015 46,274 165 396	9.06 9.08 9.09 9.11	25,167 5,096 18 43
1964 1965 1966 1967 1969 1970	1,138,171.31 80,430.73 28,936.05 19,159.15 6,280.76 257,533.63	963,388 67,911 24,369 16,092 5,245 214,418	816,146 57,532 20,645 13,633 4,443 181,647	367,552 26,116 9,449 6,293 2,089	9.12 9.13 9.14 9.15 9.17 9.18	40,302 2,860 1,034 688 228 9,389
1970 1972 1973	1,603,553.73 1,146,895.39	1,326,068 945,402	1,123,395	86,188 544,301 391,862	9.18 9.21 9.21	59,389 59,099 42,547



#### ACCOUNT 312 BOILER PLANT EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
DAVE J	JOHNSTON COMMON					
	IM SURVIVOR CURV	E., IOWA 65-L	0.5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
1974	156,143.93	128,246	108,645	53,744	9.22	5,829
1975	237,622.86	194,425	164,710	82,418	9.23	8,929
1976	97,099.87	79,132	67,038	33,946	9.24	3,674
1977	28,492.67	23,123	19,589	10,043	9.25	1,086
1978	313,858.97	253,597	214,838	111,575	9.26	12,049
1979	20,634.80	16,596	14,060	7,401	9.27	798
1980	1,676.33	1,342	1,137	606	9.28	65
1981	33,015.41	26,291	22,273	12,063	9.29	1,298
1982	119,285.01	94,481	80,041	44,016	9.30	4,733
1983	62,296.24	49,060	41,562	23,226	9.31	2,495
1984	218,969.28	171,415	145,216	82,512	9.32	8,853
1986	342,024.72	264,186	223,809	131,897	9.35	14,107
1987	330,684.99	253,591	214,833	129,080	9.36	13,791
1989	133,933.22	101,069	85,622	53,669	9.39	5,716
1990	124,577.86	93,206	78,961	50,600	9.40	5,383
1991	38,302.08	28,392	24,053	15,782	9.41	1,677
1992	135,762.16	99,611	84,387	56,806	9.43	6,024
1993	1,949,393.28	1,415,144	1,198,857	828,512	9.44	87,766
1994	5,270,840.55	3,780,875	3,203,016	2,278,658	9.46	240,873
1996	855,694.97	598,001	506,604	383,319	9.49	40,392
1997	5,345,691.17	3,680,012	3,117,569	2,441,950	9.51	256,777
1999	17,816,303.56	11,861,126	10,048,303	8,480,653	9.54	888,957
2000	240,821.82	157,218	133,189	117,265	9.56	12,266
2001	1,075,941.16	687,870	582,738	536,241	9.57	56,034
2002	3,295,990.63	2,058,138	1,743,578	1,684,253	9.59	175,626
2003	176,333.66	107,226	90,838	92,549	9.61	9,630
2004	1,932,587.59	1,142,060	967,511	1,042,381	9.62	108,356
2005	1,337,500.04	764,396	647,568	743,432	9.64	77,120
2006	2,092,380.80	1,151,666	975,648	1,200,428	9.66	124,268
2007	4,309,429.88	2,274,024	1,926,468	2,555,339	9.67	264,254
2008	671,188.53	337,096	285,575	412,461	9.69	42,566
2009	2,048,874.20	971,594	823,098	1,307,731	9.70	134,818
2010	57,755,227.52	25,559,645	21,653,176	38,412,261	9.72	3,951,879
2011	2,130,987.15	867,099	734,574	1,481,653	9.74	152,120
2012	2,208,602.98	810,868	686,937	1,610,010	9.75	165,129
2013	3,149,133.12	1,010,564	856,112	2,418,986	9.77	247,593
2014	2,498,936.91	669,917	567,529	2,031,366	9.79	207,494



#### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	JOHNSTON COMMON IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
2015	1,751,124.22	364,234	308,565	1,512,604	9.80	154,347
2016	1,537,993.90	208,257	176,428	1,423,086	9.82	144,917
2017	1,853,764.74	91,441	77,465	1,850,450	9.84	188,054
	128,855,245.66	66,759,064	56,555,784	77,453,671		8,014,214
INTERI	Y UNIT 1 IM SURVIVOR CURV					
	BLE RETIREMENT Y ALVAGE PERCENT		2			
1951	2,936,752.17	2,608,127	3,353,736	23,529	12.74	1,847
1954	815.41	719	925	13	12.81	1
1955	955.90	841	1,081	18	12.84	1
1957	425.75	373	480	10	12.89	1
1958	565.71	494	635	15	12.91	1
1959	20,468.34	17,818	22,912	627	12.93	48
1964	5,647.17	4,839	6,222	272	13.05	21
1965	4,370.78	3,733	4,800	226	13.07	17
1972	165,294.54	137,252	176,489	13,599	13.22	1,029
1978	8,118.48	6,530	8,397	939	13.35	70
1979	258,559.93	206,684	265,771	31,573	13.37	2,361
1985	84,522.34	64,624	83,099	14,102	13.50	1,045
1994	5,835,742.22	4,014,515	5,162,180	1,548,923	13.75	112,649
1999	23,285.45	14,553	18,713	8,065	13.92	579
2001	14,209.33	8,439	10,852	5,489	13.99	392
2002	18,115.79	10,442	13,427	7,406	14.03	528
2003	2,614.23	1,458	1,875	1,132	14.07	80
2008	37,191.49	16,431	21,128	21,642	14.25	1,519
2009	303,076.81	125,150	160,928	187,611	14.28	13,138
2012	7,082.68	2,174	2,796	5,350	14.39	372
2013	21,380.26	5,668	7,288	17,299	14.42	1,200
2014	272,692.22	59,273	76,218	237,378	14.46	16,416
2015	104,322.57	17,159	22,064	97,907	14.50	6,752
2016	109,747.73	11,517	14,809	111,400	14.54	7,662
2017	45,910.63	1,716	2,207	50,591	14.58	3,470
	10,281,867.93	7,340,529	9,439,032	2,385,116		171,199



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CADCDI						
	Y UNIT 2 IM SURVIVOR CURV	₽ TOWN 65_T	0 5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT		-			
1952	3,739,192.88	3,313,764	4,261,099	38,972	12.76	3,054
1958	265.82	232	298	7	12.91	1
1959	15,131.88	13,172	16,938	464	12.93	36
1960	611.47	531	683	20	12.96	2
1961	2,446.95	2,117	2,722	92	12.98	7
1965	3,981.91	3,401	4,373	206	13.07	16
1972	756,578.65	628,222	807,817	62,248	13.22	4,709
1976	26,605.13	21,646	27,834	2,762	13.31	208
1977	733,286.82	593,256	762,855	80,424	13.33	6,033
1978	7,735.52	6,222	8,001	895	13.35	67
1979	489,761.31	391,498	503,419	59,806	13.37	4,473
1980	9,746.10	7,740	9,953	1,255	13.39	94
1982	69,158.24	54,167	69,652	9,880	13.43	736
1983	96,845.10	75,258	96,773	14,599	13.46	1,085
1984	8,357.11	6,443	8,285	1,326	13.48	98
1985	318,289.52	243,357	312,928	53,105	13.50	3,934
1987	601,432.02	451,403	580,450	111,197	13.55	8,206
1992	1,113.49	789	1,015	266	13.69	19
1994	5,521,558.72	3,798,382	4,884,259	1,465,533	13.75	106,584
1995	42,933.84	29,050	37,355	12,019	13.79	872
2001	14,209.33	8,439	10,852	5,489	13.99	392
2002	18,115.79	10,442	13,427	7,406	14.03	528
2003	2,613.44	1,458	1,875	1,131	14.07	80
2004	132,292.50	71,220	91,580	60,556	14.10	4,295
2006	139,050.13	68,688	88,324	71,583	14.17	5,052
2007	151,762.33	71,193	91,546	82,981	14.21	5,840
2008	32,555.29	14,383	18,495	18,944	14.25	1,329
2009	225,047.10	92,929	119,495	139,309	14.28	9,756
2012	335,667.92	103,044 29,421	132,502	253,516	14.39	17,618
2014 2015	135,355.25 32,421.87	5,333	37,832 6,858	117,827 30,428	14.46 14.50	8,148
						2,098
2016	39,040.55 67,868.72	4,097 2,537	5,268 3,262	39,628 74,787	14.54	2,725 5,129
2017	01,000.12	4,55/	3,202	/4,/0/	14.58	5,149
	13,771,032.70	10,123,834	13,018,025	2,818,663		203,224



#### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
( _ /	( 2 )	(3)	(1)	(3)	(0)	( / /
GADSBY	Y UNIT 3					
	M SURVIVOR CURV					
	BLE RETIREMENT Y		52			
NET SA	ALVAGE PERCENT	-15				
1955	5,198,571.54	4,573,503	5,880,971	97,386	12.84	7,585
1958	3,636.65	3,174	4,081	101	12.91	. 8
1966	272.38	232	298	15	13.09	1
1972	210,753.29	174,998	225,026	17,340	13.22	1,312
1976	43,075.45	35,046	45,065	4,472	13.31	336
1978	148,594.46	119,514	153,681	17,203	13.35	1,289
1979	316,580.29	253,063	325,408	38,659	13.37	2,891
1980	10,037.32	7,972	10,251	1,292	13.39	96
1981	25,547.85	20,153	25,914	3,466	13.41	258
1982	105,476.39	82,612	106,229	15,069	13.43	1,122
1983	49,470.39	38,443	49,433	7,458	13.46	554
1984	17,905.74	13,805	17,752	2,840	13.48	211
1985	1,002,234.42	766,286	985,351	167,219	13.50	12,387
1986	236,061.06	178,834	229,959	41,511	13.53	3,068
1987	90,434.26	67,875	87,279	16,720	13.55	1,234
1990	39,281.32	28,542	36,702	8,472	13.63	622
1992	2,358,847.73	1,670,682	2,148,295	564,380	13.69	41,226
1993	518,882.16	362,403	466,006	130,708	13.72	9,527
1994	807,940.29	555,797	714,688	214,444	13.75	15,596
1995	15,142.20	10,245	13,174	4,240	13.79	307
2000	260,246.32	158,704	204,074	95,209	13.96	6,820
2001	14,639.91	8,694	11,179	5,656	13.99	404
2002	18,115.82	10,442	13,427	7,406	14.03	528
2003	2,613.44	1,458	1,875	1,131	14.07	80
2004	197,458.01	106,301	136,690	90,386	14.10	6,410
2005	3,803.30	1,965	2,527	1,847	14.14	131
2006	32,327.50	15,969	20,534	16,642	14.17	1,174
2007	23,344.93	10,951	14,082	12,765	14.21	898
2008	902,091.83	398,550	512,487	524,919	14.25	36,836
2009	276,785.80	114,293	146,967	171,337	14.28	11,998
2012	86,927.27	26,685	34,314	65,653	14.39	4,562
2013	128,062.37	33,949	43,654	103,617	14.42	7,186
2014	527,238.26	114,601	147,363	458,961	14.46	31,740
2015	34,143.94	5,616	7,221	32,044	14.50	2,210
2016	32,631.15	3,424	4,403	33,123	14.54	2,278
2017	74,525.81	2,786	3,582	82,122	14.58	5,633
	13,813,700.85	9,977,567	12,829,943	3,055,813		218,518



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERII PROBABI	COMMON M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
1951	53,398.79	47,423	60,980	428	12.74	34
1953	1,000.76	885	1,138	13	12.79	1
1955	1,792.95	1,577	2,028	34	12.84	3
1965	4,698.84	4,013	5,160	243	13.07	19
1983	7,463.91	5,800	7,458	1,125	13.46	84
1985	543.08	415	534	91	13.50	7
1986	133,880.13	101,424	130,419	23,543	13.53	1,740
1987	4,741.48	3,559	4,576	876	13.55	65
1991	866.36	622	800	196	13.66	14
1992	9,010.04	6,381	8,205	2,156	13.69	157
1994	428,436.97	294,730	378,987	113,715	13.75	8,270
1996	38,095.08	25,328	32,569	11,241	13.82	813
1998	133,053.09	85,022	109,328	43,683	13.89	3,145
2000	90,465.28 75,214.14	55,168 40,491	70,939	33,096	13.96	2,371
2004 2006	47,375.07	23,402	52,067 30,092	34,430 24,389	14.10 14.17	2,442 1,721
2007	33,151.25	15,552	19,998	18,126	14.17	1,721
2007	6,858.43	2,832	3,642	4,246	14.21	297
2012	148,301.04	45,526	58,541	112,005	14.39	7,784
2013	6,442.19	1,708	2,196	5,212	14.42	361
2016	160,500.55	16,843	21,658	162,918	14.54	11,205
2017	25,682.39	960	1,234	28,300	14.58	1,941
	1,410,971.82	779,661	1,002,550	620,068		43,750
HAYDEN	UNIT 1			·		
PROBAB	M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
1965	1,530,096.66	1,199,834	1,192,658	368,041	11.54	31,893
1976	4,246,710.00	3,187,527	3,168,462	1,163,182	11.73	99,163
1977	1,029,322.00	768,816	764,218	285,691	11.74	24,335
1981	2,042.00	1,490	1,481	602	11.81	51
1982	255,944.00	185,616	184,506	76,557	11.82	6,477
1983	221,960.00	159,851	158,895	67,504	11.84	5,701
1984	31,963.00	22,850	22,713	9,889	11.86	834
1985	160,982.00	114,238	113,555	50,647	11.87	4,267
1986	8,404.00	5,914	5,879	2,693	11.89	226



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	N UNIT 1 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1987	15,341.00	10,703	10,639	5,009	11.91	421
1988	48,298.00	33,388	33,188	16,076	11.93	1,348
1989	16,010.00	10,960	10,894	5,436	11.95	455
1990	2,785.00	1,886	1,875	966	11.98	81
1991	87,028.00	58,281	57,932	30,836	12.00	2,570
1993	302,749.39	197,727	196,544	112,260	12.05	9,316
1994	91,118.18	58,698	58,347	34,594	12.07	2,866
1995	29,709.36	18,852	18,739	11,564	12.10	956
1997	23,143.97	14,200	14,115	9,492	12.15	781
1998	13,390,950.59	8,060,996	8,012,783	5,645,987	12.18	463,546
1999	141,572.45	83,507	83,008	61,396	12.20	5,032
2000	941,043.09	542,544	539,299	420,565	12.23	34,388
2001	261,189.48	146,858	145,980	120,434	12.26	9,823
2002 2003	157,442.00 228,141.97	86,202 121,155	85,686 120,430	74,904 112,274	12.28 12.31	6,100 9,121
2003	1,125,871.70	533,496	530,305	618,084	12.31	49,886
2007	15,925.79	7,189	7,146	9,098	12.39	733
2007	27,941.31	11,919	11,848	16,652	12.42	1,338
2008	122,213.29	48,842	48,550	76,108	12.43	6,098
2011	186,982.46	63,201	62,823	127,899	12.53	10,207
2011	824,619.37	248,607	247,120	593,992	12.56	47,292
2012	1,787,000.37	467,533	464,737	1,358,004	12.58	107,949
2013	70,558.84	15,249	15,158	56,812	12.61	4,505
2015	19,120,006.33	3,144,763	3,125,954	16,376,452	12.64	1,295,605
2016	112,870.54	11,896	11,825	103,303	12.67	8,153
2017	270,140.71	10,236	10,175	265,369	12.70	20,895
	46,888,076.85	19,655,024	19,537,467	28,288,372		2,272,412
INTER:	N UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1976	4,747,713.26	3,563,574	3,542,260	1,300,407	11.73	110,862
1979	804.00	594	590	230	11.77	20
1981	1,117.00	815	810	329	11.77	28
1982	424,624.86	307,946	306,104	127,013	11.82	10,746
1983	1,670.00	1,203	1,196	508	11.84	43
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### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		( - /	, ,	( - /	( - /	. ,
	NUNIT 2 IM SURVIVOR CURVI	е тома 65-т	0 5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT		, 0			
1121 01		_				
1984	416.00	297	295	129	11.86	11
1985	1,063.00	754	749	335	11.87	28
1986	24,228.00	17,051	16,949	7,764	11.89	653
1987	10,458.00	7,296	7,252	3,415	11.91	287
1988	4,606.00	3,184	3,165	1,533	11.93	128
1989	3,334.00	2,282	2,268	1,132	11.95	95
1990	11,726.00	7,940	7,893	4,068	11.98	340
1993	63,019.21	41,158	40,912	23,368	12.05	1,939
1994	101,803.50	65,581	65,189	38,651	12.07	3,202
1995	104,943.32	66,592	66,194	40,848	12.10	3,376
1996	53,670.37	33,519	33,319	21,425	12.12	1,768
1997	237,712.55	145,846	144,974	97,493	12.15	8,024
1999 2000	6,358,677.11 171,399.44	3,750,703	3,728,270 98,227	2,757,581 76,600	12.20 12.23	226,031
2000	108,118.88	98,818 60,791	60,427	49,854	12.23	6,263 4,066
2001	231,625.35	126,818	126,060	110,198	12.28	8,974
2002	20,630.29	10,956	10,890	10,150	12.31	825
2007	144,320.37	65,146	64,756	82,450	12.42	6,638
2008	67,398.81	28,751	28,579	40,168	12.45	3,226
2009	40,382.94	16,139	16,042	25,148	12.48	2,015
2010	45,274.09	16,773	16,673	29,507	12.50	2,361
2011	61,883.74	20,917	20,792	42,330	12.53	3,378
2012	81,555.15	24,587	24,440	58,746	12.56	4,677
2013	14,108.34	3,691	3,669	10,722	12.58	852
2014	581,258.63	125,620	124,869	468,015	12.61	37,115
2015	56,451.86	9,285	9,229	48,351	12.64	3,825
2016	9,910,597.99	1,044,543	1,038,296	9,070,514	12.67	715,905
2017	183,745.46	6,963	6,921	180,499	12.70	14,213
	23,870,337.52	9,676,133	9,618,260	14,729,484		1,181,914
HAVDEN	I COMMON					
	M SURVIVOR CURV	E IOWA 65-L	0.5			
	BLE RETIREMENT Y		30			
NET SA	ALVAGE PERCENT	-3				
1965	308,409.27	244,212	242,751	74,910	11.54	6,491
1976	1,427,697.04	1,082,117	1,075,645	394,883	11.73	33,664
1980	2,805.00	2,080	2,068	822	11.79	70
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### ACCOUNT 312 BOILER PLANT EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HAYDEN	N COMMON					
	IM SURVIVOR CURVE	E IOWA 65-L	0.5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
1981	4,745.00	3,497	3,476	1,411	11.81	119
1982	239,365.00	175,294	174,246	72,300	11.82	6,117
1983	42,033.00	30,568	30,385	12,909	11.84	1,090
1984	17,558.00	12,675	12,599	5,486	11.86	463
1985	6,150.00	4,407	4,381	1,954	11.87	165
1986	2,243.00	1,594	1,584	726	11.89	61
1987	26,416.00	18,611	18,500	8,709	11.91	731
1988	19,631.00	13,704	13,622	6,598	11.93	553
1989	5,352.00	3,700	3,678	1,835	11.95	154
1990	19,109.00	13,066	12,988	6,694	11.98	559
1991	34,218.00	23,140	23,002	12,243	12.00	1,020
1993	102,600.75	67,666	67,261	38,417	12.05	3,188
1995	37,212.36	23,845	23,702	14,626	12.10	1,209
1996	10,700.37	6,748	6,708	4,314	12.12	356
1997	16,007.03	9,917	9,858	6,630	12.15	546
1998	8,377,538.33	5,092,497	5,062,038	3,566,826	12.18	292,843
1999	15,213.87	9,062	9,008	6,662	12.20	546
2000	176,072.81	102,507	101,894	79,461	12.23	6,497
2001	18,628.44	10,577	10,514	8,674	12.26	708
2002	98,804.46	54,627	54,300	47,468	12.28	3,865
2004	76,879.54	39,848	39,610	39,576	12.34	3,207
2005	16,511.76	8,241	8,192	8,815	12.37	713
2007	11,953.21	5,449	5,416	6,895	12.42	555
2008	14,528.49	6,258	6,221	8,744	12.45	702
2009	290,670.64	117,304	116,602	182,788	12.48	14,646
2010	99,695.04	37,298	37,075	65,611	12.50	5,249
2011	764,565.76	260,963	259,402	528,101	12.53	42,147
2012	7,376.34	2,246	2,233	5,365	12.56	427
2013	48,197.72	12,734	12,658	36,986	12.58	2,940
2014	21,354.55	4,660	4,632	17,363	12.61	1,377
2017	192,401.47	7,362	7,318	190,856	12.70	15,028
	12,552,644.25	7,508,474	7,463,565	5,465,659		448,006



### ACCOUNT 312 BOILER PLANT EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTER	R UNIT 1					
INTERI	M SURVIVOR CURV	E IOWA 65-L	0.5			
	BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-8				
1978	51,658,788.68	32,701,067	28,881,196	26,910,296	20.47	1,314,621
1981	302,640.85	186,521	164,733	162,119	20.63	7,858
1982	96,431.08	58,861	51,985	52,160	20.68	2,522
1983	21,024.80	12,700	11,216	11,490	20.74	554
1984	114,845.64	68,638	60,620	63,413	20.79	3,050
1985	137,337.26	81,138	71,660	76,664	20.85	3,677
1986	817,571.39	477,196	421,454	461,523	20.91	22,072
1987	1,831,047.03	1,055,191	931,932	1,045,599	20.97	49,862
1988	122,651.96	69,737	61,591	70,873	21.03	3,370
1989	625,806.46	350,804	309,826	366,045	21.09	17,356
1990	698,468.66	385,539	340,503	413,843	21.16	19,558
1991	57,137.91	31,042	27,416	34,293	21.22	1,616
1992	4,887,685.93	2,609,895	2,305,028	2,973,672	21.29	139,675
1993	339,234.01	177,848	157,073	209,299	21.36	9,799
1994	730,033.33	375,130	331,310	457,126	21.44	21,321
1995	4,625,577.50	2,327,911	2,055,983	2,939,640	21.51	136,664
1996	191,786.16	94,345	83,324	123,805	21.59	5,734
1997	319,013.07	153,145	135,256	209,278	21.67	9,657
1998	98,828.06	46,201	40,804	65,930	21.75	3,031
1999	1,049,767.14	476,787	421,093	712,656	21.84	32,631
2000	3,294,146.92	1,451,142	1,281,631	2,276,047	21.92	103,834
2001	1,469,626.03	625,879	552,769	1,034,427	22.01	46,998
2002	1,573,532.38	645,625	570,208	1,129,207	22.10	51,095
2003	233,276.57	91,935	81,196	170,743	22.19	7,695
2004	5,464,355.67	2,059,153	1,818,620	4,082,885	22.28	183,253
2005	8,836,715.26	3,170,783	2,800,398	6,743,254	22.37	301,442
2006	1,223,670.81	415,513	366,976	954,588	22.46	42,502
2007	617,790.37	197,328	174,278	492,936	22.55	21,860
2008	961,714.59	286,408	252,952	785,700	22.64	34,704
2009	931,733.88	255,774	225,897	780,376	22.74	34,317
2010	26,834,427.52	6,718,707	5,933,883	23,047,299	22.83	1,009,518
2011	682,900.59	153,215	135,318	602,215	22.92	26,275
2012	50,362,466.40	9,880,753	8,726,564	45,664,900	23.02	1,983,705
2013	252,483.58	42,020	37,112	235,571	23.11	10,193
2014	88,735,159.44	11,929,413	10,535,916	85,298,056	23.21	3,675,056



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTE	R UNIT 1					
	IM SURVIVOR CURV		0.5			
	BLE RETIREMENT Y		:2			
NET S	ALVAGE PERCENT	-8				
2015	471,886.33	47,034	41,540	468,097	23.31	20,081
2015	417,019.66	25,928	22,899	427,482	23.41	18,261
2017	517,654.52	11,416	10,082	548,984	23.51	23,351
2027	01/,001.02	,	10,002	310,701	20.01	20,002
	261,606,237.44	79,747,722	70,432,245	212,102,491		9,398,768
HUNTE	R UNIT 2					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		.2			
NET SA	ALVAGE PERCENT	-8				
1980	28,021,420.51	17,429,447	15,393,481	14,869,653	20.58	722,529
1981	9,320.60	5,744	5,073	4,993	20.63	242
1982	52,236.08	31,885	28,160	28,255	20.68	1,366
1983	61,941.62	37,415	33,044	33,852	20.74	1,632
1984	113,297.28	67,712	59,802	62,559	20.79	3,009
1985	7,753.18	4,581	4,046	4,328	20.85	208
1986	73,300.87	42,784	37,786	41,379	20.91	1,979
1987	110,736.27	63,815	56,361	63,235	20.97	3,015
1989	889,065.98	498,378	440,162	520,030	21.09	24,658
1990	923,957.62	510,004	450,430	547,445	21.16	25,872
1991	3,001,585.04	1,630,711	1,440,225	1,801,487	21.22	84,896
1992	279,654.67	149,328	131,885	170,142	21.29	7,992
1993	51,581.01	27,042	23,883	31,824	21.36	1,490
1994	1,413,238.59	726,197	641,369	884,929	21.44	41,275
1995 1996	778,870.18 192,033.40	391,981 94,467	346,193 83,432	494,987 123,964	21.51 21.59	23,012 5,742
1997	2,015,017.33	967,329	854,334	1,321,885	21.67	61,001
1998	95,561.98	44,674	39,456	63,751	21.75	2,931
1999	393,007.53	178,497	157,646	266,802	21.73	12,216
2000	259,559.30	114,341	100,985	179,339	21.92	8,182
2001	251,736.64	107,209	94,686	177,190	22.01	8,050
2002	5,584,093.83	2,291,169	2,023,533	4,007,288	22.10	181,325
2003	325,749.20	128,379	113,383	238,426	22.19	10,745
2004	848,298.49	319,667	282,326	633,836	22.28	28,449
2005	3,753,271.87	1,346,746	1,189,430	2,864,103	22.37	128,033
2006	5,231,733.82	1,776,502	1,568,986	4,081,287	22.46	181,714
2007	105,214.33	33,607	29,681	83,950	22.55	3,723
2008	532,580.18	158,608	140,081	435,106	22.64	19,218

#### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTE	R UNIT 2					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		12			
NET S.	ALVAGE PERCENT	8				
2009	851,423.15	233,728	206,426	713,111	22.74	31,359
2010	476,030.16	119,187	105,265	408,848	22.83	17,908
2011	93,670,787.55	21,015,903	18,560,997	82,603,454	22.92	3,603,990
2012	11,456,588.86	2,247,700	1,985,142	10,387,974	23.02	451,259
2013	337,608.72	56,188	49,625	314,993	23.11	13,630
2014 2015	136,925.13 2,862,884.23	18,408 285,353	16,258 252,020	131,621 2,839,895	23.21 23.31	5,671 121,832
2015	464,607.14	28,887	25,513	476,263	23.41	20,344
2017	818,927.44	18,060	15,950	868,491	23.51	36,941
	·	•		•		•
	166,451,599.78	53,201,633	46,987,053	132,780,675		5,897,438
TTTTNTTTTT	D ITNITE 2					
	R UNIT 3 IM SURVIVOR CURV	7F TOWN 65_T	.0 5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT		-			
	185,548,808.90	113,115,397	99,902,181	102,346,020	20.74	
1985	2,135.56	1,273	1,124	1,203	20.85	58
1986	706,086.62	415,941	367,354	402,280	20.91	19,239
1987 1988	646,176.06 201,994.76	375,824 115,913	331,923 102,373	372,409 117,801	20.97 21.03	17,759 5,602
1989	437,311.56	247,411	218,510	258,159	21.03	12,241
1990	2,198,082.49	1,224,526	1,081,487	1,314,423	21.16	62,118
1991	139,506.79	76,493	67,558	84,505	21.22	3,982
1992	338,101.57	182,209	160,925	207,606	21.29	9,751
1993	1,382,876.75	731,706	646,234	861,102	21.36	40,314
1994	441,271.82	228,848	202,116	278,870	21.44	13,007
1995	134,648.51	68,392	60,403	86,364	21.51	4,015
1996	574,793.33	285,376	252,041	374,484	21.59	17,345
1997	63,629.50	30,829	27,228	42,128	21.67	1,944
1998	8,237,770.91	3,886,724	3,432,709	5,546,462	21.75	255,010
1999 2000	737,853.52 32,153.60	338,224 14,295	298,715	505,545 22,422	21.84 21.92	23,148
2000	4,180,935.63	1,797,048	12,625 1,587,132	2,970,088	22.01	1,023 134,943
2001	568,045.95	235,229	207,751	411,419	22.10	18,616
2003	3,975,432.45	1,581,236	1,396,529	2,936,692	22.19	132,343
2004	865,721.34	329,254	290,793	652,843	22.28	29,302
2005	3,519,667.40	1,274,618	1,125,728	2,710,710	22.37	121,176



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTER	R UNIT 3					
INTER	IM SURVIVOR CURV	/E IOWA 65-I	<u> </u>			
PROBAI	BLE RETIREMENT N	YEAR 12-204	12			
NET SA	ALVAGE PERCENT	9				
2006	1 100 001 10	387,252	242 016	000 ((2	22 46	20 (11
2006 2007	1,129,981.19 32,558,880.24	10,495,925	342,016 9,269,877	889,663 26,219,303	22.46 22.55	39,611 1,162,719
2007	633,243.27	190,332	168,099	522,136	22.64	23,063
2009	6,592,911.49	1,826,607	1,613,238	5,573,036	22.74	245,076
2010	569,817.56	143,990	127,170	493,931	22.83	21,635
2011	499,434.76	113,090	99,880	444,504	22.92	19,394
2012	12,293,758.55	2,434,280	2,149,927	11,250,270	23.02	488,717
2013	844,689.23	141,882	125,309	795,403	23.11	34,418
2014	434,744.85	58,988	52,098	421,774	23.21	18,172
2015	1,306,306.62	131,409	116,059	1,307,815	23.31	56,105
2016	22,923,650.52	1,438,489	1,270,456	23,716,323	23.41	1,013,085
2017	2,447,261.58	54,471	48,108	2,619,407	23.51	111,417
		•	•			•
	297,167,684.88	143,973,481	127,155,676	196,757,100		9,091,064
HUNTER	R UNITS 1 AND 2	COMMON				
INTER	IM SURVIVOR CURV	/E IOWA 65-I	20.5			
PROBAI	BLE RETIREMENT N	YEAR 12-204	12			
NET SA	ALVAGE PERCENT	9				
1978	2,592,262.98	1,656,149	1,462,691	1,362,875	20.47	66,579
1980	652,748.05	409,772	361,906	349,590	20.47	16,987
1981	138,926.13	86,415	76,321	75,109	20.63	3,641
1982	9,565.88	5,893	5,205	5,222	20.68	253
1983	266,716.62	162,597	143,604	147,117	20.74	7,093
1984	21,888.27	13,203	11,661	12,197	20.79	587
1985	15,876.68	9,467	8,361	8,944	20.85	429
1986	31,559.70	18,591	16,419	17,981	20.91	860
1987	23,240.79	13,517	11,938	13,394	20.97	639
1988	123,693.72	70,981	62,690	72,137	21.03	3,430
1990	201,592.39	112,305	99,186	120,549	21.16	5,697
1991	28,304.31	15,520	13,707	17,145	21.22	808
1992	61,204.98	32,984	29,131	37,582	21.29	1,765
1993	19,411.56	10,271	9,071	12,087	21.36	566
1994	30,129.21	15,625	13,800	19,041	21.44	888
1995	195,180.32	99,138	87,558	125,189	21.51	5,820
1996	116,337.48	57,760	51,013	75,795	21.59	3,511
1997	258,098.12	125,050	110,443	170,884	21.67	7,886
1999	85,080.07	39,000	34,444	58,293	21.84	2,669

### ACCOUNT 312 BOILER PLANT EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTER	UNITS 1 AND 2	COMMON				
INTERI	M SURVIVOR CURV	E IOWA 65-L	0.5			
PROBAB	LE RETIREMENT Y	EAR 12-204	:2			
NET SA	LVAGE PERCENT	-9				
2000	193,765.93	86,148	76,085	135,120	21.92	6,164
2002	244,539.41	101,264	89,435	177,113	22.10	8,014
2003	82,283.81	32,729	28,906	60,783	22.19	2,739
2004	145,342.78	55,277	48,820	109,604	22.28	4,919
2005	211,633.48	76,641	67,688	162,992	22.37	7,286
2006	1,247,698.88	427,595	377,647	982,345	22.46	43,738
2007	35,625.78	11,485	10,143	28,689	22.55	1,272
2008	1,583,779.58	476,033	420,427	1,305,893	22.64	57,681
2009	234,019.07	64,836	57,262	197,818	22.74	8,699
2010	1,196,062.60	302,239	266,934	1,036,774	22.83	45,413
2011	34,589.81	7,832	6,917	30,786	22.92	1,343
2012	215,110.86	42,594	37,619	196,852	23.02	8,551
2013	160,081.09	26,889	23,748	150,740	23.11	6,523
2014	299,248.46	40,603	35,860	290,321	23.21	12,508
2015	69,063.89	6,948	6,136	69,143	23.31	2,966
2016	980,598.77	61,534	54,346	1,014,507	23.41	43,336
2017	75,027.65	1,670	1,475	80,305	23.51	3,416
	11,880,289.11	4,776,555	4,218,597	8,730,918		394,676
IIIMTT	IINITEC 1 O AND	2 COMMON				
	UNITS 1, 2 AND		0 E			
	M SURVIVOR CURV					
	LE RETIREMENT Y LVAGE PERCENT		: 2			
NEI SA	LVAGE PERCENI	-9				
1978	1,629,361.52	1,040,969	919,372	856,632	20.47	41,848
1980	3,034,750.77	1,905,106	1,682,567	1,625,311	20.58	78,975
1983	5,488,198.01	3,345,749	2,954,926	3,027,210	20.74	145,960
1984	500,877.88	302,122	266,831	279,126	20.79	13,426
1985	8,621.37	5,141	4,540	4,857	20.85	233
1986	39,576.72	23,314	20,591	22,548	20.91	1,078
1987	27,189.60	15,814	13,967	15,670	20.97	747
1988	180,241.13	103,430	91,348	105,115	21.03	4,998
1989	44,722.70	25,302	22,346	26,401	21.09	1,252
1990	28,367.51	15,803	13,957	16,964	21.16	802
1991	50,608.55	27,749	24,508	30,656	21.22	1,445
1992	124,315.09	66,996	59,170	76,333	21.29	3,585
1993	14,601.67	7,726	6,824	9,092	21.36	426
1994	274,895.43	142,564	125,911	173,725	21.44	8,103



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	UNITS 1, 2 AND		0.5			
	BLE RETIREMENT Y		2			
NET SA	LVAGE PERCENT	-9				
1995	67,169.23	34,117	30,132	43,083	21.51	2,003
1996	240,229.22	119,270	105,338	156,512	21.59	7,249
1997	464,901.74	225,247	198,935	307,807	21.67	14,204
1998	20,892.87	9,858	8,706	14,067	21.75	647
1999	28,990.88	13,289	11,737	19,863	21.84	909
2000	179,310.89	79,722	70,410	125,039	21.92	5,704
2001	245,902.51	105,694	93,348	174,686	22.01	7,937
2002	1,083,102.27	448,515	396,123	784,458	22.10	35,496
2003	54,463.90	21,663	19,133	40,233	22.19	1,813
2004	452,964.06	172,273	152,149	341,581	22.28	15,331
2005	594,370.06	215,246	190,103	457,761	22.37	20,463
2006 2007	446,931.69 358,109.29	153,167 115,443	135,275 101,958	351,880 288,381	22.46 22.55	15,667 12,789
2007	1,274,108.82	382,956	338,222	1,050,556	22.55	46,403
2009	431,354.04	119,509	105,549	364,627	22.74	16,035
2010	1,839,476.99	464,826	410,529	1,594,501	22.83	69,842
2011	3,384,941.71	766,475	676,942	3,012,645	22.92	131,442
2012	702,567.26	139,115	122,865	642,934	23.02	27,929
2013	1,097,049.87	184,270	162,745	1,033,039	23.11	44,701
2014	1,465,616.83	198,860	175,631	1,421,892	23.21	61,262
2015	109,471.39	11,012	9,726	109,598	23.31	4,702
2016	356,356.13	22,362	19,750	368,678	23.41	15,749
2017	1,549,380.55	34,486	30,458	1,658,367	23.51	70,539
	27,893,990.15	11,065,160	9,772,619	20,631,830		931,694
HUNTIN	IGTON UNIT 1					
	M SURVIVOR CURV	E IOWA 65-L	0.5			
	BLE RETIREMENT Y					
NET SA	LVAGE PERCENT	-8				
1977	35,870,904.68	25,297,597	22,731,702	16,008,875	16.33	980,335
1979	3,116.30	2,166	1,946	1,419	16.40	87
1980	343,645.23	237,119	213,068	158,068	16.43	9,621
1981	115,761.22	79,252	71,214	53,809	16.46	3,269
1982	85,930.55	58,346	52,428	40,377	16.49	2,449
1983	549,223.11	369,557	332,073	261,088	16.53	15,795
1984	301,873.53	201,280	180,864	145,159	16.56	8,766
1985	152,754.45	100,839	90,611	74,364	16.60	4,480



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR COST ACCRUED RESERVE ACCRUALS LIFE ACCRU (1) (2) (3) (4) (5) (6) (7) HUNTINGTON UNIT 1	
HUNTINGTON UNIT 1	
INTERIM SURVIVOR CURVE IOWA 65-L0.5	
PROBABLE RETIREMENT YEAR 12-2036	
NET SALVAGE PERCENT8	
1986 844,535.25 551,892 495,914 416,184 16.63 25	,026
1987 3,924,587.98 2,536,394 2,279,132 1,959,423 16.67 117	,542
1988 39,973.59 25,533 22,943 20,228 16.71 1	,211
1989 910,648.63 574,522 516,249 467,251 16.75 27	,896
1990 1,295,262.17 806,512 724,709 674,174 16.79 40	,153
1991 2,137,829.06 1,312,746 1,179,596 1,129,259 16.83 67	,098
1992 331,192.29 200,248 179,937 177,751 16.88 10	,530
1993 1,235,448.55 735,284 660,705 673,579 16.92 39	,810
1994 907,360.44 530,741 476,909 503,040 16.97 29	,643
1995 34,904.10 20,041 18,008 19,688 17.02 1	,157
1996 708,840.35 398,881 358,423 407,124 17.07 23	,850
1997 2,353,317.20 1,296,258 1,164,781 1,376,802 17.12 80	,421
1998 78,131.65 42,043 37,779 46,604 17.17 2	,714
1999 1,817,525.92 953,335 856,640 1,106,288 17.23 64	,207
2000 309,117.17 157,753 141,752 192,094 17.28 11	,117
2001 10,716,933.55 5,306,348 4,768,134 6,806,155 17.34 392	,512
2002 268,648.73 128,735 115,678 174,463 17.39 10	,032
2003 792,634.29 366,113 328,979 527,066 17.45 30	,204
2004 933,574.85 414,567 372,518 635,743 17.50 36	,328
2005 9,404,755.82 3,991,958 3,587,060 6,570,076 17.56 374	,150
2006 12,425,815.34 5,018,767 4,509,721 8,910,159 17.61 505	,972
	,146
2008 2,642,011.60 945,037 849,183 2,004,189 17.73 113	,039
	,136
2010 134,229,316.34 40,851,887 36,708,345 108,259,316 17.84 6,068	,347
2011 29,883,005.32 8,216,225 7,382,866 24,890,779 17.89 1,391	,324
2012 585,655.19 141,865 127,476 505,032 17.95 28	,135
2013 412,343.91 85,348 76,691 368,640 18.01 20	,469
2014 22,934,334.84 3,865,711 3,473,618 21,295,464 18.06 1,179	,151
2015 1,087,137.92 137,324 123,395 1,050,714 18.12 57	,986
2016 116,394.70 9,286 8,344 117,362 18.18 6	,456
2017 1,153,400.53 32,574 29,270 1,216,403 18.25 66	,652
285,637,455.74 107,302,585 96,419,055 212,069,397 12,007	,216



#### ACCOUNT 312 BOILER PLANT EQUIPMENT

VEAD.	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR (1)	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL (7)
( 1 )	(2)	(3)	(4)	(3)	(0)	( / )
HUNTI	NGTON UNIT 2					
INTER	IM SURVIVOR CURV	/E IOWA 65-I	10.5			
	BLE RETIREMENT Y		36			
NET S	ALVAGE PERCENT.	8				
1974	34,049,197.55	24,475,094	21,992,624	14,780,509	16.23	910,691
1979	50,484.62	35,097	31,537	22,986	16.40	1,402
1980	312,701.45	215,768	193,883	143,835	16.43	8,754
1981	149,001.23	102,008	91,661	69,260	16.46	4,208
1982	75,303.10	51,130	45,944	35,383	16.49	2,146
1983	2,231,112.43	1,501,254	1,348,984	1,060,617	16.53	64,163
1984	178,030.65	118,706	106,666	85,607	16.56	5,170
1985	772,459.44	509,931	458,210	376,047	16.60	22,653
1986	851,088.70	556,175	499,763	419,413	16.63	25,220
1987	1,748,765.94	1,130,197	1,015,563	873,104	16.67	52,376
1988 1990	790,520.40 124,751.43	504,949	453,733	400,029	16.71	23,939 3,867
1991	2,056,950.76	77,678 1,263,082	69,799 1,134,970	64,932 1,086,537	16.79 16.83	64,560
1992	113,208.89	68,449	61,506	60,759	16.88	3,599
1993	70,399.03	41,898	37,648	38,383	16.92	2,268
1994	825,907.53	483,096	434,096	457,884	16.97	26,982
1995	279,294.48	160,366	144,100	157,538	17.02	9,256
1997	136,923.29	75,420	67,770	80,107	17.12	4,679
1998	3,157,671.96	1,699,175	1,526,830	1,883,455	17.17	109,695
1999	761,888.89	399,629	359,095	463,745	17.23	26,915
2001	778,949.66	385,687	346,567	494,698	17.34	28,529
2002	4,368,245.35	2,093,246	1,880,931	2,836,774	17.39	163,127
2003	6,910,560.54	3,191,949	2,868,195	4,595,211	17.45	263,336
2004	849,355.30	377,168	338,912	578,391	17.50	33,051
2005	8,522,343.27	3,617,407	3,250,499	5,953,632	17.56	339,045
2006	120,743,622.55	48,768,156	43,821,679	86,581,433	17.61	4,916,606
2007	1,972,032.97	752,286	675,983	1,453,813	17.67	82,276
2008	851,278.45	304,499	273,614	645,767	17.73	36,422
2009	1,490,463.64	495,192	444,965	1,164,735	17.78	65,508
2010	4,058,196.46	1,235,088	1,109,815	3,273,037	17.84	183,466
2011	15,183,354.97	4,174,609 1,565,062	3,751,185	12,646,838	17.89	706,922
2012 2013	6,460,973.74 1,503,075.01	311,109	1,406,320 279,554	5,571,531 1,343,767	17.95 18.01	310,392 74,612
2013	1,479,453.41	249,370	224,077	1,373,737	18.06	76,065
2015	19,434,936.82	2,454,959	2,205,956	18,783,775	18.12	1,036,632
2016	172,100.12	13,730	12,337	173,531	18.18	9,545
2017	652,216.94	18,420	16,552	687,843	18.25	37,690
	,	,0	-,	,		2.,0
	244,166,820.97	103,477,039	92,981,527	170,718,640		9,735,767



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
( ± )	(2)	(3)	( 1 )	(3)	(0)	( / )
	GTON COMMON					
	M SURVIVOR CURV					
	LE RETIREMENT Y		6			
NET SAI	LVAGE PERCENT	-8				
1974	898,013.44	645,506	580,033	389,821	16.23	24,019
1977	1,387,233.89	978,333	879,102	619,110	16.33	37,912
1979	8,082.75	5,619	5,049	3,680	16.40	224
1980	54,107.90	37,335	33,548	24,888	16.43	1,515
1981	118,612.29	81,203	72,967	55,135	16.46	3,350
1983	133,874.85	90,081	80,944	63,641	16.53	3,850
1984	173,113.67	115,427	103,719	83,243	16.56	5,027
1985	8,065.27	5,324	4,784	3,926	16.60	237
1986	714,118.59	466,667	419,334	351,914	16.63	21,161
1987	481,204.00	310,994	279,450	240,250	16.67	14,412
1988	281,017.65	179,501	161,294	142,205	16.71	8,510
1990	758,724.43	472,430	424,512	394,910	16.79	23,521
1991	41,195.32	25,296	22,730	21,761	16.83	1,293
1992	811,689.66	490,770	440,992	435,633	16.88	25,808
1993	71,430.40	42,512	38,200	38,945	16.92	2,302
1994	423,734.04	247,854	222,715	234,918	16.97	13,843
1995	85,838.18	49,287	44,288	48,417	17.02	2,845
1996	16,318.70	9,183	8,252	9,373	17.07	549
1997	401,370.81	221,084	198,660	234,821	17.12	13,716
1998	155,104.01	83,463	74,997	92,515	17.17	5,388
1999	662,303.56	347,394	312,158	403,129	17.23	23,397
2000	392,072.02	200,087	179,792	243,645	17.28	14,100
2001	212,255.31	105,095	94,435	134,800	17.34	7,774
2002	5,053,044.19	2,421,399	2,175,800	3,281,487	17.39	188,700
2003	13,952.42	6,445	5,791	9,277	17.45	532
2004	3,400,732.48	1,510,142	1,356,971	2,315,820	17.50	132,333
2005	2,211,244.78	938,588	843,389	1,544,756	17.56	87,970
2006	1,352,789.42	546,389	490,970	970,043	17.61	55,085
2007	669,710.23	255,479	229,566	493,721	17.67	27,941
2008	1,079,227.72	386,035	346,880	818,686	17.73	46,175
2009	1,209,984.01	402,006	361,231	945,552	17.78	53,181
2010	47,900.96	14,578	13,099	38,634	17.84	2,166
2011	635,109.49	174,621	156,909	529,009	17.89	29,570
2012	1,478,432.00	358,125	321,801	1,274,906	17.95	71,025
2013	739,267.45	153,015	137,495	660,914	18.01	36,697
2014	126,825.13	21,377	19,209	117,762	18.06	6,521



#### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	NGTON UNIT 2					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		36			
NET SA	ALVAGE PERCENT	-8				
2015	4,427,927.04	559,322	502,591	4,279,570	18.12	236,179
2015	4,414,335.70	352,174	316,454	4,451,029	18.18	244,831
2017	541,662.90	15,298	13,746	571,250	18.25	31,301
2017	311,002.90	13,270	15,710	371,230	10.25	31,301
	35,691,626.66	13,325,438	11,973,860	26,573,097		1,504,960
JIM BF	RIDGER UNIT 1					
	IM SURVIVOR CURV	E IOWA 65-L	0.5			
	BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-6				
1974	44,192,116.14		32,072,483	14,771,160	10.06	1,468,306
1977	6,113.33	4,947	4,379	2,101	10.10	208
1978	91,558.33	73,751	65,284	31,768	10.11	3,142
1979	7,367.00	5,905	5,227	2,582	10.12	255
1980	99,266.00	79,161	70,073	35,149	10.13	3,470
1981	11,885.00	9,427	8,345	4,253	10.14	419
1982	338,201.51	266,633	236,022	122,472	10.16	12,054
1983	357,471.00	280,135	247,974	130,945	10.17	12,876
1984	8,174.00	6,364	5,633	3,031	10.18	298
1985	25,203.58	19,493	17,255	9,461	10.19	928
1986	3,385,808.98	2,599,123	2,300,728	1,288,230	10.21	126,173
1987	455,285.84	346,881	307,057	175,546	10.22	17,177
1988	449,585.88	339,636	300,644	175,917	10.24	17,179
1989	90,324.00	67,656	59,889	35,855	10.25	3,498
1990 1991	25,798,397.80 163,749.28	19,139,130 120,259	16,941,842 106,453	10,404,459	10.27 10.29	1,013,092 6,523
1991	1,059,367.03	769,532	681,185	67,122 441,744	10.29	42,846
1992	499,234.31	358,631	317,458	211,730	10.31	20,516
1993	1,258,144.26	892,507	790,042	543,591	10.32	52,572
1995	328,389.83	229,818	203,434	144,660	10.34	13,963
1996	707,045.73	487,709	431,717	317,751	10.38	30,612
1997	810,418.30	550,226	487,057	371,987	10.40	35,768
1998	1,737,060.77	1,159,236	1,026,149	815,136	10.42	78,228
1999	127,564.58	83,546	73,954	61,264	10.44	5,868
2000	519,466.72	333,371	295,098	255,537	10.46	24,430
2001	2,736,415.16	1,716,865	1,519,759	1,380,842	10.48	131,760
2002	4,223,109.43	2,584,236	2,287,550	2,188,946	10.50	208,471
2003	762,015.11	453,681	401,596	406,140	10.52	38,606



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	RIDGER UNIT 1					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y ALVAGE PERCENT		48			
INET OF	ALIVAGE FERCENI	O				
2004	531,041.47	306,507	271,318	291,586	10.54	27,665
2005	1,029,208.93	573,878	507,993	582,968	10.56	55,205
2006	13,602,311.77	7,290,113	6,453,164	7,965,286	10.58	752,863
2007	2,119,812.94	1,086,268	961,558	1,285,444	10.60	121,268
2008 2009	1,237,835.28 363,537.21	602,243 166,560	533,102 147,438	779,004 237,912	10.62 10.64	73,353 22,360
2019	38,209,848.01	16,287,246	14,417,372	26,085,067	10.64	2,447,004
2010	515,643.73	201,902	178,722	367,860	10.67	34,476
2012	472,208.78	166,120	147,048	353,493	10.69	33,068
2013	731,124.26	224,221	198,479	576,513	10.71	53,829
2014	9,223,834.85	2,352,605	2,082,512	7,694,753	10.73	717,125
2015	4,815,072.70	944,185	835,787	4,268,190	10.75	397,041
2016	593,162.22	75,450	66,788	561,964	10.78	52,130
2017	174,932.24	8,048	7,124	178,304	10.80	16,510
	163,868,313.29	99,495,358	88,072,690	85,627,722		8,173,135
	RIDGER UNIT 2		0 5			
	IM SURVIVOR CURV					
	BLE RETIREMENT Y ALVAGE PERCENT		5 2			
INET OF	ALIVAGE FERCENI	,				
1975	37,385,594.32	28,453,039	25,186,458	14,816,128	13.29	1,114,833
1977	19,278.33	14,512	12,846	7,782	13.33	584
1978	91,046.00	68,134	60,312	37,107	13.35	2,780
1979	3,310.00	2,462	2,179	1,362	13.37	102
1980	108,627.00	80,271	71,055	45,175	13.39	3,374
1981	11,886.00	8,724	7,722	4,996	13.41	373
1982	426,305.51	310,668	275,001	181,145	13.43	13,488
1983 1984	50,722.00 10,836.00	36,674 7,773	32,464 6,881	21,809 4,714	13.46 13.48	1,620 350
1985	482,099.58	342,961	303,587	212,260	13.50	15,723
1986	34,401,545.08	24,248,727	21,464,827	15,344,827	13.53	1,134,134
1987	392,252.67	273,924	242,476	177,234	13.55	13,080
1988	170,352.99	117,731	104,215	78,063	13.58	5,748
1989	214,339.31	146,587	129,758	99,585	13.60	7,322
1990	233,106.68	157,591	139,499	109,926	13.63	8,065
1991	386,931.09	258,392	228,727	185,289	13.66	13,564
1992	839,556.26	553,261	489,743	408,582	13.69	29,845



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	RIDGER UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	TEAR 12-203				
1993	2,142,034.85	1,391,987	1,232,178	1,059,799	13.72	77,245
1994	419,566.33	268,549	237,718	211,218	13.75	15,361
1995	489,886.58	308,406	272,999	251,180	13.79	18,215
1996	307,402.56	190,162	168,330	160,590	13.82	11,620
1997	1,111,960.77	675,163	597,650	592,148	13.85	42,754
1998	210,327.42	125,051	110,694	114,356	13.89	8,233
1999	342,578.31	199,210	176,339	190,219	13.92	13,665
2000	251,191.37	142,526	126,163	142,612	13.96	10,216
2001	4,645,774.22	2,567,113	2,272,393	2,698,585	13.99	192,894
2002	192,151.66	103,056	91,225	114,378	14.03	8,152
2003	1,022,204.43	530,462	469,562	624,197	14.07	44,364
2004	759,188.97	380,277	336,619	475,713	14.10	33,739
2005	16,583,387.79	7,973,900	7,058,448	10,685,777	14.14	755,713
2006	4,731,128.71	2,174,514	1,924,867	3,137,441	14.17	221,414
2007	1,087,863.69 1,536,017.06	474,825	420,312	743,702	14.21	52,337
2008 2009	27,955,035.38	631,415 10,740,462	558,925 9,507,392	1,084,614 20,404,496	14.25 14.28	76,113 1,428,886
2019	771,592.35	273,143	241,785	583,819	14.32	40,769
2010	654,965.72	210,721	186,529	514,284	14.35	35,839
2011	232,204.89	66,324	58,710	189,750	14.39	13,186
2013	5,085,633.03	1,254,404	1,110,391	4,331,236	14.42	300,363
2015	4,716,881.49	721,881	639,005	4,408,058	14.50	304,004
2016	117,917.15	11,513	10,191	115,980	14.54	7,977
2017	22,166,172.02	771,066	682,543	23,035,261	14.58	1,579,922
	172,760,855.57	87,267,561	77,248,718	107,605,397		7,657,966
INTER:	RIDGER UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1976	38,071,314.76	26,315,247	23,294,098	17,442,209	17.01	1,025,409
1977	3,523.34	2,418	23,294,098	1,442,209	17.01	96
1978	54,470.00	37,130	32,867	25,416	17.03	1,488
1979	36,848.00	24,927	22,065	17,362	17.12	1,014
1980	128,197.33	86,064	76,183	60,988	17.15	3,556
1981	11,973.00	7,971	7,056	5,755	17.19	335
1982	376,511.83	248,565	220,028	182,839	17.22	10,618



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		(3)	( - /	(3)	(0)	( , ,
	RIDGER UNIT 3					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		5 /			
NEI S	ALVAGE PERCENT	- /				
1984	9,611.00	6,227	5,512	4,772	17.30	276
1985	34,003.59	21,807	19,303	17,080	17.34	985
1986	134,965.00	85,632	75,801	68,612	17.38	3,948
1987	395,299.21	247,996	219,525	203,446	17.42	11,679
1988	25,166,146.76	15,601,415	13,810,278	13,117,499	17.46	751,289
1989	84,748.56	51,881	45,925	44,756	17.50	2,557
1990	306,713.85	185,194	163,933	164,251	17.55	9,359
1991	839,431.03	499,502	442,156	456,035	17.60	25,911
1992	1,266,409.17	742,314	657,092	697,966	17.64	39,567
1993	623,682.24	359,509	318,235	349,105	17.69	19,735
1994	1,786,353.11	1,011,225	895,130	1,016,268	17.75	57,255
1995	196,442.04	109,128	96,599	113,594	17.80	6,382
1996	1,043,053.60	567,866	502,672	613,396	17.85	34,364
1997	390,682.93	207,958	184,083	233,948	17.91	13,062
1998	646,547.01	336,003	297,428	394,377	17.97	21,946
1999	1,901,532.79	963,219	852,636	1,182,004	18.02	65,594
2000	181,587.08	89,435	79,167	115,131	18.08	6,368
2001	1,048,584.93	500,720	443,234	678,752	18.14	37,417
2002	180,287.79	83,261	73,702	119,206	18.20	6,550
2003	14,479,162.81	6,442,951	5,703,261	9,789,443	18.26	536,114
2004	1,262,416.75	539,166	477,266	873,519	18.32	47,681
2005	1,608,305.72	656,037	580,720	1,140,167	18.39	61,999
2006	110,557.69	42,853	37,933	80,364	18.45	4,356
2007	9,977,561.25	3,650,975	3,231,821	7,444,170	18.51	402,170
2008	2,316,210.26	793,764	702,635	1,775,710	18.57	95,623
2009	340,370.79	108,257	95,828	268,368	18.63	14,405
2010	101,289.96	29,501	26,114	82,266	18.69	4,402
2011	28,179,585.19	7,380,343	6,533,035	23,619,121	18.76	1,259,015
2012	319,185.57	73,712	65,249	276,279	18.82	14,680
2013	406,674.01	80,109	70,912	364,229	18.88	19,292
2015	124,873,529.19	14,922,087	13,208,941	120,405,735	19.01	6,333,810
2016	223,251.60	16,765	14,840	224,039	19.08	11,742
2017	253,163.99	6,623	5,863	265,023	19.15	13,839
	259,370,184.73	83,135,757	73,591,270	203,934,828		10,975,888



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
JIM BR	RIDGER UNIT 4					
INTERI	M SURVIVOR CURV	E IOWA 65-L	0.5			
PROBAE	BLE RETIREMENT Y	EAR 12-203	7			
NET SA	LVAGE PERCENT	-7				
1000	4 400 00	2 045	0.605	0.010	1.01	110
1976	4,408.00	3,047	2,697	2,019	17.01	119
1979	80,250,900.97	54,287,760	48,055,197	37,813,267	17.12	2,208,719
1981	82,104.20	54,661	48,386	39,466	17.19 17.22	2,296 5,306
1982	188,149.00 33,015.54	124,212 21,597	109,952	91,368	17.22	
1983 1984	26,989.00	17,485	19,118 15,478	16,209 13,401	17.26	939 775
1985	·	•	83,290	73,700	17.34	4,250
1986	146,719.25 86,904.00	94,092 55,139	48,809	44,179	17.34	2,542
1987	368,121.67	230,946	204,432	189,458	17.38	10,876
1988	247,303.20	153,312	135,711	128,904	17.42	7,383
1989	29,803.00	18,245	16,150	15,739	17.50	899
1990	576,412.32	348,038	308,081	308,680	17.55	17,589
1991	2,785,341.12	1,657,413	1,467,132	1,513,183	17.60	85,976
1992	794,202.98	465,527	412,082	437,715	17.64	24,814
1993	5,782,144.32	3,333,004	2,950,355	3,236,539	17.69	182,959
1994	1,091,688.22	617,987	547,038	621,068	17.75	34,990
1995	995,312.20	552,918	489,440	575,544	17.80	32,334
1996	599,599.27	326,438	288,961	352,610	17.85	19,754
1997	678,456.20	361,137	319,676	406,272	17.91	22,684
1998	695,417.72	361,400	319,909	424,188	17.97	23,605
1999	322,996.01	163,613	144,829	200,776	18.02	11,142
2000	1,975,659.91	973,054	861,342	1,252,615	18.08	69,282
2001	898,018.76	428,822	379,591	581,289	18.14	32,045
2002	193,901.04	89,548	79,267	128,207	18.20	7,044
2003	441,961.75	196,665	174,087	298,812	18.26	16,364
2004	11,522,183.18	4,921,015	4,356,053	7,972,683	18.32	435,190
2005	308,832.40	125,974	111,511	218,939	18.39	11,905
2006	893,206.27	346,213	306,466	649,265	18.45	35,191
2007	958,643.01	350,785	310,513	715,235	18.51	38,640
2008	24,637,735.08	8,443,342	7,473,995	18,888,381	18.57	1,017,145
2009	460,387.19	146,430	129,619	362,995	18.63	19,484
2010	18,435.46	5,369	4,753	14,973	18.69	801
2011	148,765.86	38,962	34,489	124,691	18.76	6,647
2012	12,520,511.03	2,891,463	2,559,506	10,837,441	18.82	575,847
2013	431,995.46	85,097	75,327	386,908	18.88	20,493
2014	67,447.09	10,819	9,577	62,591	18.94	3,305



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR		CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER	RIDGER UNIT 4 IM SURVIVOR CURV BLE RETIREMENT Y					
NET S	ALVAGE PERCENT	-7				
2015	4,704,085.41	562,127	497,591	4,535,780	19.01	238,600
	135,958,992.11	10,209,514	9,037,400	136,438,721	19.08	7,150,876
2017	401,242.45	10,497	9,292	420,038	19.15	21,934
	292,327,991.65	93,083,667	82,397,100	230,393,851		12,400,744
JIM B	RIDGER COMMON					
	IM SURVIVOR CURV		0.5			
	BLE RETIREMENT Y		57			
NET S	ALVAGE PERCENT	- /				
1976	7,142,116.36	4,936,697	4,369,934	3,272,130	17.01	192,365
1977	22,480.33	15,431	13,659	10,395	17.05	610
1978	59,840.00	40,790	36,107	27,922	17.08	1,635
1979	74,013.00	50,068	44,320	34,874	17.12	2,037
1980	23,269.00	15,621	13,828	11,070	17.15	645
1981	97,754.00	65,080	57,608	46,988	17.19	2,733
1982	261,258.00	172,477	152,676	126,870	17.22	7,368
1983	21,118.00	13,814	12,228	10,368	17.26	601
1984	95,794.00	62,060	54,935	47,564	17.30	2,749
1985	2,943.00	1,887	1,670	1,479	17.34	85
1986	5,027,765.45	3,190,006	2,823,774	2,555,935	17.38	147,062
1987	8,250,045.56	5,175,768	4,581,559	4,245,990	17.42	243,742
1988	4,283,664.67	2,655,601	2,350,722	2,232,799	17.46	127,881
1989	458,417.00	280,633	248,415	242,092	17.50	13,834
1990	8,911,468.97	5,380,754	4,763,011	4,772,261	17.55	271,924
1991	6,565,098.37	3,906,551	3,458,055	3,566,600	17.60	202,648
1992	516,761.58	302,903	268,128	284,807	17.64	16,146
1993	721,581.52	415,942	368,189	403,903	17.69	22,832
1994		388,545	343,938	390,483	17.75	21,999
1995	263,864.59	146,583	129,754	152,581	17.80	8,572
1996	876,465.58	477,171	422,389	515,429	17.85	28,876
1997	485,293.98	258,319	228,662	290,602	17.91	16,226
1998	760,826.70	395,393	350,000	464,085	17.97	25,826
1999	697,263.06	353,198	312,649	433,423	18.02	24,052
2001	2,042,738.00	975,447	863,460	1,322,270	18.14	72,893
2002	853,792.78	394,301	349,033	564,525	18.20	31,018
2003	6,275,225.82	2,792,356	2,471,777	4,242,715	18.26	232,350
2004	1,318,148.68	562,969	498,337	912,082	18.32	49,786

### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIN PROBABI	IDGER COMMON M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017	2,064,423.30 1,162,407.82 2,397,459.65 2,653,680.18 5,404,649.76 4,766,911.07 1,148,230.48 1,442,206.82 2,884,447.69 1,421,892.45 1,774,479.93 1,336,559.67 3,029,410.15	842,089 450,558 877,275 909,415 1,718,989 1,388,382 300,726 333,061 568,199 228,077 212,046 100,366 79,254	745,412 398,831 776,559 805,009 1,521,639 1,228,987 266,201 294,824 502,966 201,892 187,702 88,843 70,155	1,463,521 844,945 1,788,723 2,034,429 4,261,337 3,871,607 962,406 1,248,338 2,583,393 1,319,533 1,710,992 1,341,275 3,171,314	18.39 18.45 18.51 18.57 18.63 18.69 18.76 18.82 18.88 18.94 19.01 19.08	79,582 45,796 96,635 109,555 228,735 207,149 51,301 66,330 136,832 69,669 90,005 70,297 165,604
INTERIN PROBABI	88,282,141.47  ON UNIT 1  4 SURVIVOR CURV  LE RETIREMENT Y  LVAGE PERCENT	E IOWA 65-I EAR 12-202		57,784,054		3,185,985
1963 1967 1969 1971 1974 1976 1978 1980 1981 1982 1983 1984 1985 1986 1987 1989 1990	5,855,556.56 1,808.21 1,729.83 30,834.74 5,000,673.66 7,420.97 4,520.83 36,497.14 30,962.11 677,309.26 36,893.96 398,319.09 458,181.97 396,985.20 148,387.38 2,342.14 803,409.50 52,017.48	5,022,370 1,533 1,457 25,783 4,130,457 6,076 3,665 29,269 24,689 536,654 29,048 311,407 355,651 305,734 113,376 1,757 596,757 38,225	4,090,448 1,249 1,187 20,999 3,364,033 4,949 2,985 23,838 20,108 437,076 23,658 253,624 289,658 249,004 92,339 1,431 486,026 31,132	2,292,109 722 699 12,611 2,086,701 3,140 1,943 15,944 13,641 301,192 16,556 180,544 209,760 183,710 69,404 1,122 389,690 25,567	10.73 10.79 10.82 10.84 10.89 10.91 10.94 10.97 10.98 11.00 11.01 11.03 11.04 11.06 11.07 11.11 11.13 11.15	213,617 67 65 1,163 191,616 288 178 1,453 1,242 27,381 1,504 16,368 19,000 16,610 6,270 101 35,013 2,293



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	TON UNIT 1 IM SURVIVOR CURV BLE RETIREMENT Y	TEAR 12-202				
NET S.	ALVAGE PERCENT	-9				
1992	3,288,819.53	2,389,529	1,946,142	1,638,672	11.17	146,703
1994	1,842,064.30	1,304,922	1,062,788	945,062	11.21	84,305
1995	13,442.58	9,389	7,647	7,006	11.23	624
1996	4,901.01	3,369	2,744	2,598	11.26	231
1997	1,607,380.29	1,087,074	885,363	866,682	11.28	76,834
1998	9,175.33	6,095	4,964	5,037	11.30	446
1999	12,525.67	8,154	6,641	7,012	11.33	619
2000	56,671.04	36,108	29,408	32,363	11.35	2,851
2001	254,369.57	158,348	128,966	148,297	11.37	13,043
2002	4,010,546.25	2,430,857	1,979,801	2,391,694	11.40	209,798
2003 2004	336,448.38 979,605.28	198,129 558,796	161,365 455,109	205,363 612,661	11.42 11.44	17,983 53,554
2004	206,763.42	113,660	92,570	132,802	11.44	11,578
2005	700,328.40	369,687	301,090	462,268	11.49	40,232
2007	5,282,898.60	2,661,226	2,167,424	3,590,935	11.51	311,984
2008	46,040.57	21,962	17,887	32,297	11.54	2,799
2009	2,010,590.20	900,965	733,787	1,457,756	11.56	126,103
2010	700,878.13	291,885	237,724	526,233	11.58	45,443
2011	211,486.54	80,417	65,495	165,025	11.61	14,214
2012	104,458,046.32	35,598,101	28,992,722	84,866,549	11.63	7,297,210
2013	196,169.33	58,135	47,348	166,477	11.65	14,290
2014	999,482.59	245,069	199,595	889,841	11.68	76,185
2015	1,631,289.64	305,781	249,042	1,529,064	11.70	130,689
2016	655,189.24	79,050	64,382	649,774	11.73	55,394
2017	10,117,012.25	450,144	366,618	10,660,925	11.75	907,313
	153,575,974.49	60,900,760	49,600,365	117,797,447		10,174,654
NAUGH	TON UNIT 2					
	IM SURVIVOR CURV	E IOWA 65-L	0.5			
PROBA	BLE RETIREMENT Y	EAR 12-202	9			
NET S.	ALVAGE PERCENT	-9				
1968	7,286,070.89	6,156,735	5,014,327	2,927,491	10.80	271,064
1976	8,786,710.76	7,194,629	5,859,635	3,717,880	10.91	340,777
1977	1,612.20	1,314	1,070	687	10.93	63
1978	7,930.82	6,430	5,237	3,408	10.94	312
1979	208,638.92	168,281	137,056	90,361	10.95	8,252
1980	823,857.96	660,689	538,095	359,910	10.97	32,809



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NAUGH INTER PROBA	TON UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	7E IOWA 65-L YEAR 12-202	0.5		, ,	
1981	16,867.42	13,450	10,954	7,431	10.98	677
1982	181,753.23	144,009	117,288	80,824	11.00	7,348
1983	200,748.92	158,055	128,727	90,089	11.01	8,182
1984	1,596,223.07	1,247,931	1,016,372	723,511	11.03	65,595
1985	513,050.19	398,241	324,346	234,879	11.04	21,275
1986	462,172.46	355,937	289,891	213,877	11.06	19,338
1987	24,359.18	18,612	15,158	11,393	11.07	1,029
1988	43,633.93	33,047	26,915	20,646	11.09	1,862
1989	144,352.30	108,295	88,200	69,144	11.11	6,224
1990	1,277,492.91	948,897	772,825	619,642	11.13	55,673
1991	1,641,658.41	1,206,365	982,519	806,889	11.15	72,367
1992	506,176.22	367,768	299,527	252,205	11.17	22,579
1993	18,157.97	13,032	10,614	9,178	11.19	820
1994	1,307,107.71	925,958	754,143	670,605	11.21	59,822
1995	16,947.77	11,837	9,641	8,832	11.23	786
1996	115,147.45	79,160	64,472	61,039	11.26	5,421
1997	30,958.54	20,937	17,052	16,693	11.28	1,480
1999	12,525.67	8,154	6,641	7,012	11.33	619
2000	69,736.14	44,433	36,188	39,824	11.35	3,509
2001	215,764.37	134,315	109,392	125,791	11.37	11,063
2002	6,860,872.77	4,158,487	3,386,862	4,091,489	11.40	358,903
2003	1,925,300.31	1,133,777	923,400	1,175,177	11.42	102,905
2004	128,137.07	73,093	59,530	80,139	11.44	7,005
2005	627,546.44	344,968	280,958	403,068	11.47	35,141
2006	11,158,987.53	5,890,563	4,797,544	7,365,752	11.49	641,058
2007	1,731,008.50	871,984	710,184	1,176,616	11.51	102,226
2008	1,092,317.29	521,042	424,360	766,265	11.54	66,401
2009	1,902,412.08	852,490	694,307	1,379,322	11.56	119,319
2010	645,548.09	268,843	218,958	484,689	11.58	41,856
2011	113,344,416.55	43,098,818	35,101,650	88,443,764	11.61	7,617,895
2012	264,978.96	90,302	73,546	215,281	11.63	18,511
2013	647,984.51	192,030	156,398	549,905	11.65	47,202
2014	1,339,647.71	328,476	267,526	1,192,690	11.68	102,114
2015	1,753,765.76	328,739	267,740	1,643,865	11.70	140,501
2016	11,517,309.52	1,389,588	1,131,744	11,422,123	11.73	973,753
2017	1,978,186.50	88,017	71,685	2,084,538	11.75	177,407
	182,428,075.00	80,057,728	65,202,677	133,643,924		11,571,143



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	ON UNIT 3					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		19			
NET SA	ALVAGE PERCENT	-8				
1971	15,612,072.09	12,934,608	10,534,537	6,326,501	10.84	583,626
1973	54,524.56	44,819	36,503	22,384	10.87	2,059
1974	9,984.41	8,171	6,655	4,128	10.89	379
1977	79,444.92	64,132	52,232	33,568	10.93	3,071
1978	55,993.87	44,979	36,633	23,840	10.94	2,179
1980	53,319.10	42,367	34,506	23,079	10.97	2,104
1981	35,025,044.56	27,671,999	22,537,342	15,289,706	10.98	1,392,505
1982	432,982.89	339,919 366,993	276,846	190,776	11.00	17,343
1983 1984	470,440.54 83,143.09	64,405	298,896 52,454	209,180 37,340	11.01 11.03	18,999 3,385
1985	1,011,390.25	777,861	633,526	458,776	11.03	41,556
1986	1,041,401.49	794,666	647,212	477,501	11.06	43,174
1987	890,875.17	674,435	549,291	412,854	11.07	37,295
1988	226,375.89	169,876	138,355	106,131	11.09	9,570
1989	34,288.45	25,488	20,759	16,273	11.11	1,465
1990	1,720,691.66	1,266,371	1,031,390	826,957	11.13	74,300
1991	2,680,461.52	1,951,654	1,589,516	1,305,382	11.15	117,075
1992	224,080.10	161,314	131,382	110,625	11.17	9,904
1993	1,243,375.37	884,156	720,097	622,748	11.19	55,652
1994	570,702.23	400,577	326,248	290,110	11.21	25,880
1995 1996	6,017,741.98 1,353,769.00	4,164,338	3,391,627	3,107,534 711,047	11.23 11.26	276,717
1997	470,875.02	922,128 315,532	751,023 256,984	251,561	11.28	63,148 22,302
1998	116,805.27	76,876	62,611	63,538	11.30	5,623
1999	13,808,553.52	8,906,633	7,253,969	7,659,268	11.33	676,017
2000	202,512.29	127,849	104,126	114,587	11.35	10,096
2001	706,961.82	436,053	355,142	408,377	11.37	35,917
2002	30,106.79	18,081	14,726	17,789	11.40	1,560
2003	10,088,391.85	5,886,383	4,794,140	6,101,324	11.42	534,267
2004	427,832.07	241,809	196,940	265,118	11.44	23,175
2005	2,929,466.51	1,595,580	1,299,513	1,864,310	11.47	162,538
2006	880,078.18	460,310	374,898	575,587	11.49	50,095
2007	583,693.89	291,334	237,276	393,114	11.51	34,154
2008	4,855,542.36	2,294,873	1,869,050	3,374,936	11.54	292,455
2009 2010	21,289,297.50 1,456,271.13	9,452,423 600,909	7,698,486 489,408	15,293,956 1,083,365	11.56 11.58	1,323,007 93,555
2010	4,659,790.28	1,755,613	1,429,852	3,602,722	11.56	310,312
2011	429,728.76	145,103	118,179	345,929	11.63	29,745
2013	328,639.12	96,498	78,592	276,338	11.65	23,720
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### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MAIIGU	TON UNIT 3					
	ION UNII 3 IM SURVIVOR CURV	TE TOWA 65-T	.0 5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
2014	921,882.45	223,968	182,410	813,223	11.68	69,625
2015	12,138,507.22	2,254,456	1,836,132	11,273,456	11.70	963,543
2016	482,570.61	57,689	46,985	474,192	11.73	40,426
2017	725,855.25	32,000	26,062	757,861	11.75	64,499
	146,425,465.03	89,045,228	72,522,508	85,616,994		7,548,017
	110,123,103.03	05/015/220	7273227300	03,010,331		, , 3 10 , 01 ,
NAUGH:	TON COMMON					
	IM SURVIVOR CURV		0.5			
	BLE RETIREMENT Y		29			
NET S	ALVAGE PERCENT	-10				
1963	30,700.27	26,574	21,643	12,127	10.73	1,130
1968	30,679.11	26,162	21,308	12,439	10.80	1,152
1971	587,191.82	495,498	403,556	242,355	10.84	22,357
1978	25,806.92	21,114	17,196	11,191	10.94	1,023
1983	36,330.02	28,866	23,510	16,453	11.01	1,494
1985	2,232,737.08	1,748,999	1,424,465	1,031,546	11.04	93,437
1986	295,178.24	229,414	186,845	137,851	11.06	12,464
1987	191,600.46	147,737	120,324	90,437	11.07	8,170
1988	1,453,235.58	1,110,727	904,627	693,932	11.09	62,573
1990	37,426.06	28,054	22,848	18,320	11.13	1,646
1992	18,660.56	13,682	11,143	9,383	11.17	840
1993	1,151,458.32	833,958	679,214	587,391	11.19	52,492
1994	13,958,426.25	9,978,893	8,127,267	7,227,002	11.21	644,692
1995	204,499.63	144,136	117,391	107,559	11.23	9,578
1996	3,553,295.75	2,465,170	2,007,747	1,900,878	11.26	168,817
1997	288,432.05	196,857	160,329	156,946	11.28	13,914
1998	263,700.95	176,769	143,969	146,102	11.30	12,929
1999	318,511.52	209,247	170,420	179,942	11.33	15,882
2000	194,994.55	125,382	102,117	112,377	11.35	9,901
2001	161,953.09	101,742	82,863	95,285	11.37	8,380
2002	97,813.93	59,831	48,729	58,866	11.40	5,164
2003	203,381.29	120,867	98,440	125,280	11.42	10,970
2004	54,220.93	31,213	25,421	34,222	11.44	2,991
2005 2006	490,110.02 552,005.87	271,890 294,064	221,440 239,499	317,681 367,707	11.47 $11.49$	27,697 32,002
2007	73,945.27	37,591	30,616	50,724	11.49	4,407
2007	1,718,211.90	827,116	673,641	1,216,392	11.51	105,407
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### ACCOUNT 312 BOILER PLANT EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NAUGHT	TON COMMON					
INTER	IM SURVIVOR CURV	E IOWA 65-I	0.5			
PROBA	BLE RETIREMENT Y	EAR 12-202	9			
NET SA	ALVAGE PERCENT	-10				
2009	825,211.13	373,178	303,933	603,799	11.56	52,232
2010	427,495.15	179,666	146,328	323,916	11.58	27,972
2011	950,382.14	364,695	297,024	748,396	11.61	64,461
2012	502,817.96	172,927	140,840	412,260	11.63	35,448
2013	1,372,729.52	410,539	334,362	1,175,641	11.65	100,913
2014	1,113,246.22	275,467	224,353	1,000,218	11.68	85,635
2015	1,102,922.71	208,637	169,924	1,043,291	11.70	89,170
2016	428,117.66	52,127	42,455	428,475	11.73	36,528
2017	1,295,779.74	58,183	47,387	1,377,971	11.75	117,274
	36,243,209.67	21,846,972	17,793,173	22,074,358		1,941,142
	Z DI ANIM					
	<pre>C PLANT IM SURVIVOR CURV</pre>	TOWN 65 T	0 E			
	IM SURVIVOR CURV BLE RETIREMENT Y					
	ALVAGE PERCENT		9			
INET OF	ALVAGE FERCENT	O				
1978	66,829,983.08	43,594,802	41,298,547	29,541,235	18.48	1,598,552
1981	684,471.24	435,476	412,538	313,001	18.61	16,819
1982	158,514.94	99,947	94,683	73,343	18.65	3,933
1983	19,015.13	11,877	11,251	8,905	18.69	476
1984	138,587.50	85,705	81,191	65,712	18.73	3,508
1985	2,402.63	1,470	1,393	1,154	18.78	61
1986	47,577,809.17	28,775,763	27,260,066	23,172,411	18.83	1,230,611
1987	155,835.20	93,165	88,258	76,928	18.87	4,077
1988	980,689.14	578,925	548,431	491,099	18.92	25,957
1989	523,288.51	304,678	288,630	266,056	18.98	14,018
1990	998,757.10	573,340	543,141	515,542	19.03	27,091
1991	1,464,942.26	828,439	784,803	768,036	19.08	40,253
1992	684,674.52	380,898	360,835	364,920	19.14	19,066
1993	864,730.53	472,753	447,852	468,763	19.20	24,415
1994		6,752,896	6,397,203	6,941,060	19.26	360,387
1995	515,639.74	271,223	256,937	289,641	19.32	14,992
1996	640,292.72	329,724	312,357	366,354	19.32	18,904
1997	540,326.88	271,831	257,513	315,234	19.45	16,207
1998	332,547.74	163,155	154,561	197,939	19.52	10,140
1999	826,958.27	395,003	374,197	502,379	19.58	25,658
2000	2,105,811.13	976,815	925,364	1,306,796	19.65	66,504
2001	2,257,870.85	1,014,131	960,714	1,432,629	19.72	72,649



#### ACCOUNT 312 BOILER PLANT EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE	ACCRUAL (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	C PLANT					
	IM SURVIVOR CURV BLE RETIREMENT N					
	ALVAGE PERCENT		59			
NEI DE	TENEDITE CENT.	. 0				
2002	417,738.65	181,217	171,672	271,131	19.79	13,700
2003	656,686.93	273,890	259,463	436,625	19.87	21,974
2004	815,989.58	326,311	309,123	555,826	19.94	27,875
2005	715,112.21	272,796	258,427	499,592	20.01	24,967
2006	18,146,678.47	6,567,377	6,221,456	13,014,024	20.08	648,109
2007 2008	1,137,098.78 2,191,293.87	387,717 698,527	367,295 661,734	838,030 1,661,038	20.16 20.23	41,569 82,108
2008	4,235,809.30	1,249,780	1,183,951	3,306,007	20.23	162,857
2010	3,839,715.16	1,033,927	979,467	3,090,631	20.38	151,650
	117,714,631.57	28,522,891	27,020,514	97,756,996	20.45	4,780,293
2012	870,588.92	185,072	175,324	747,500	20.53	36,410
2013	222,149.61	40,194	38,077	197,402	20.60	9,583
2014	843,414.82	123,670	117,156	776,864	20.68	37,566
2015	6,345,787.39	691,824	655,384	6,071,151	20.76	292,445
2016	12,303,686.82	842,899	798,501	12,243,407	20.84	587,496
2017	2,823,817.93	67,139	63,603	2,929,644	20.92	140,040
	314,166,615.59	127,877,247	121,141,610	211,875,003		10,652,920
	ELL GEOTHERMAL (					
	IM SURVIVOR CURV					
	BLE RETIREMENT N		37			
NET SA	ALVAGE PERCENT	11				
1984	8,707,985.72	5,852,391	5,230,645	4,435,219	17.30	256,371
1986	739,595.50	486,799	435,082	385,869	17.38	22,202
1987	277,704.17	180,734	161,533	146,718	17.42	8,422
1988	120,931.64	77,773	69,511	64,724	17.46	3,707
1989	3,212.15	2,040	1,823	1,742	17.50	100
1990	203,858.02	127,691	114,125	112,157	17.55	6,391
1992	112,279.77	68,274	61,021	63,610	17.64	3,606
1993	37,090.90	22,180	19,824	21,347	17.69	1,207
1994 1995	8,674.62 665,310.00	5,094 383,411	4,553 342,678	5,076 395,816	17.75 17.80	286 22,237
1996	104,436.21	58,983	52,717	63,207	17.85	3,541
2000	25,399.09	12,977	11,598	16,595	18.08	918
2002	476,874.03	228,464	204,192	325,138	18.20	17,865
2004	53,396.56	23,658	21,145	38,126	18.32	2,081
2005	92,626.22	39,195	35,031	67,784	18.39	3,686



### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	LL GEOTHERMAL UI M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	E IOWA 65-L EAR 12-203				
2006 2007 2008 2009 2010 2012 2014 2015 2017	225,859.69 264,725.50 1,385.96 279,308.69 77,611.38 276,665.46 65,997.05 270,154.76 118,729.98	90,818 100,489 493 92,157 23,450 66,281 10,982 33,490 3,222 7,991,046	81,170 89,813 441 82,366 20,959 59,239 9,815 29,932 2,880 7,142,094	169,535 204,032 1,098 227,666 65,190 247,859 63,441 269,940 128,911	18.45 18.51 18.57 18.63 18.69 18.82 18.94 19.01	9,189 11,023 59 12,220 3,488 13,170 3,350 14,200 6,732
INTERI PROBAB	ELL GEOTHERMAL UI M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	NIT 2 E IOWA 65-L EAR 12-203	u <b>0.</b> 5	,,020,,33		120,031
2007 2008 2011 2012 2014 2015 2016 2017	6,534,646.00 1,385.95 16,322.58 51,323.53 862,996.95 319,903.55 173,806.95 45,429.02 8,005,814.53	2,458,190 488 4,395 12,185 142,309 39,300 13,418 1,222 2,671,507	2,197,037 436 3,928 10,890 127,190 35,125 11,993 1,092 2,387,692	4,991,073 1,088 14,027 45,565 822,106 316,769 179,195 48,880 6,418,704	18.51 18.57 18.76 18.82 18.94 19.01 19.08 19.15	269,642 59 748 2,421 43,406 16,663 9,392 2,552
INTERI PROBAB	LL GEOTHERMAL S' M SURVIVOR CURVI LE RETIREMENT Y LVAGE PERCENT	E IOWA 65-L EAR 12-203				
1991 1992 1996 2001 2002 2003	6,013,871.67 9,049.50 6,373.00 693,626.89 534,086.32 6,150.60	3,611,989 5,354 3,502 334,316 248,958 2,762	4,237,004 6,280 4,108 392,166 292,037 3,240	2,257,977 3,493 2,775 356,951 284,776 3,403	17.60 17.64 17.85 18.14 18.20	128,294 198 155 19,678 15,647 186



#### ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	ELL GEOTHERMAL S IM SURVIVOR CURV BLE RETIREMENT S ALVAGE PERCENT.	/E IOWA 65-L /EAR 12-203				
2005 2006 2007 2008 2009 2010 2014 2017	18,851.42 13,016.72 66,812.92 37,448.44 508,180.66 389,963.28 27,600,336.51 1,697,956.64	24,677 12,954 163,141 114,640 4,468,572 44,836	9,104 5,974 28,947 15,196 191,371 134,477 5,241,809 52,594	24,566,554 1,781,199	18.39 18.45 18.51 18.57 18.63 18.69 18.94 19.15	•
INTER:	ELL GEOTHERMAL ( IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT.	/E IOWA 65-L /EAR 12-203				
2009	270,620.15	88,486	79,085	218,59	7 18.63	11,734
	270,620.15	88,486	79,085	218,59	7	11,734
4	1,615,201,100.58	3 2,121,749,148	3 1,793,034,071	3,132,826,75	9	231,772,237
C	COMPOSITE REMAIN	IING LIFE AND A	ANNUAL ACCRUAL	RATE, PERCENT	13.5	5.02



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	A UNIT 4 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 4-2025				
1978 1981 1984 1985 1986 1987 1988 1989 1994 1996 1997 1999 2002 2003 2004 2005 2006 2007 2008 2009 2011 2012 2013 2014	138,103.00 32,555,812.77 10,906.29 200,122.87 1,873.56 2,830,292.00 243,276.00 7,442.87 141,225.91 198,033.75 1,483,999.81 205,679.20 604,294.31 26,507.63 2,889,243.56 58,395.70 576,542.99 3,451,073.38 14,765,157.84 66,777.41 4,952,683.11 98,170.45 2,041,681.52 82,872.50	119,487 27,842,203 9,204 168,055 1,565 2,350,580 200,840 6,106 111,334 152,943 1,132,967 152,809 426,542 18,317 1,950,036 38,330 367,042 2,120,112 8,705,168 37,502 2,438,377 44,153 814,288 28,162	71,325 16,619,664 5,494 100,316 934 1,403,116 119,886 3,645 66,458 91,295 676,295 91,215 254,613 10,934 1,164,022 22,880 219,096 1,265,545 5,196,319 22,386 1,455,524 26,356 486,068 16,811	73,684 17,563,939 5,958 109,813 1,033 1,568,690 135,554 4,170 81,829 116,640 881,905 124,748 379,896 16,899 1,869,684 38,435 386,274 2,358,082 10,307,097 47,730 3,744,793 76,723 1,657,698 70,206	6.76 6.81 6.85 6.86 6.87 6.89 6.90 6.91 6.97 6.99 7.00 7.03 7.06 7.07 7.08 7.11 7.12 7.13 7.14 7.17 7.18 7.20 7.21	10,900 2,579,139 870 16,008 150 227,676 19,646 603 11,740 16,687 125,986 17,745 53,810 2,390 264,080 5,413 54,328 331,191 1,445,596 6,685 522,286 10,686 230,236 9,737
INTERI PROBAE	67,630,168.43  RIP GENERATING S  EM SURVIVOR CURV  BLE RETIREMENT Y  ALVAGE PERCENT  5,230,000.51  11,003,157.95  85,790.41  97,219.59  40,529.99  164,734.20  1,084,911.47	TATION E IOWA 50-S EAR 12-202	0	2,445,828 5,233,464 41,544 47,535 20,030 83,208 554,432	9.09 9.14 9.18 9.20 9.23 9.27 9.29	269,068 572,589 4,525 5,167 2,170 8,976 59,681



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
( \( \( \( \) \)	(2)	(3)	(1)	(3)	(0)	( / /
	RIP GENERATING S		_			
	M SURVIVOR CURV					
	BLE RETIREMENT Y		1			
NET SA	ALVAGE PERCENT	- /				
1994	77,696.46	57,283	42,933	40,202	9.31	4,318
1995	1,267,707.99	923,185	691,916	664,531	9.33	71,225
1996	1,346,196.79	967,364	725,028	715,403	9.35	76,514
1997	508,545.42	360,016	269,828	274,316	9.38	29,245
1998	16,750.50	11,672	8,748	9,175	9.40	976
1999	298,570.01	204,477	153,253	166,217	9.42	17,645
2000	100,103.74	67,271	50,419	56,692	9.44	6,006
2001	250,627.12	164,960	123,636	144,535	9.46	15,279
2002	2,489.60	1,601	1,200	1,464	9.48	154
2003	223,727.79	140,253	105,118	134,271	9.50	14,134
2004	1,097,073.69	668,201	500,809	673,060	9.52	70,700
2005	1,137,927.51	670,961	502,877	714,705	9.54	74,917
2006	1,328,568.14 1,167,380.93	755,379	566,148	855,420 772,617	9.56	89,479
2007 2008	486,366.58	635,741 252,254	476,480 189,061	331,351	9.59 9.61	80,565 34,480
2008	1,762,594.30	863,343	647,066	1,238,910	9.63	128,651
2010	49,349.31	22,581	16,924	35,880	9.65	3,718
2011	3,277,636.50	1,379,962	1,034,265	2,472,806	9.68	255,455
2012	290,126.65	110,220	82,609	227,827	9.70	23,487
2013	1,686,393.67	561,019	420,477	1,383,964	9.73	142,237
2014	3,052,138.28	849,889	636,982	2,628,806	9.75	269,621
2015	13,664.31	2,938	2,202	12,419	9.78	1,270
2016	854,132.07	119,806	89,793	824,128	9.81	84,009
2017	1,183,306.87	61,230	45,891	1,220,247	9.84	124,009
	39,185,418.35	23,887,511	17,903,411	24,024,987		2,540,270
CRAIG	UNIT 1					
INTERI	M SURVIVOR CURV	E IOWA 50-S	0			
	BLE RETIREMENT Y		5			
NET SA	ALVAGE PERCENT	-2				
1980	4,206,872.78	3,452,633	2,849,805	1,441,206	7.36	195,816
1988	23,826.00	18,748	15,475	8,828	7.48	1,180
1991	10,807.00	8,319	6,867	4,157	7.52	553
1993	83,447.39	63,116	52,096	33,020	7.55	4,374
1995	37,595.88	27,862	22,997	15,350	7.58	2,025
1996	137,071.56	100,437	82,901	56,912	7.59	7,498
1997	90,670.82	65,591	54,139	38,345	7.61	5,039



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
(1)	(2)	(3)	(4)	(5)	(0)	( / )
CRAIG						
	M SURVIVOR CURV					
	LE RETIREMENT Y		5			
NET SA	LVAGE PERCENT	-2				
1998	34,571.29	24,675	20,367	14,896	7.62	1,955
1999	23,633.36	16,623	13,721	10,385	7.63	1,361
2000	148,534.62	102,725	84,789	66,716	7.65	8,721
2002	101,968.65	67,911	56,054	47,954	7.67	6,252
2003	256,158.18	166,729	137,618	123,663	7.69	16,081
2004	67,198.84	42,671	35,221	33,322	7.70	4,328
2005	16,013.42	9,885	8,159	8,175	7.71	1,060
2006	693,329.68	414,078	341,780	365,416	7.73	47,272
2008	550,833.18	303,253	250,305	311,545	7.76	40,148
2009	29,734.96	15,564	12,847	17,483	7.77	2,250
2010	265,307.29	130,449	107,673	162,941	7.79	20,917
2011	4,512,535.68	2,060,161	1,700,458	2,902,329	7.80	372,093
2012	21,921.17	9,093	7,505	14,854	7.82	1,899
2014	848,471.23	263,691	217,651	647,790	7.85	82,521
2016	644,226.58	104,382	86,157	570,954	7.89	72,364
2017	74,636.66	4,526	3,736	72,394	7.91	9,152
	12,879,366.22	7,473,122	6,168,318	6,968,636		904,859
CRAIG						
	M SURVIVOR CURV					
	LE RETIREMENT Y		6			
NET SA	LVAGE PERCENT	-2				
1979	3,689,304.28	2,971,073	2,452,325	1,310,765	8.16	160,633
1987	26,791.00	20,650	17,045	10,282	8.32	1,236
1993	104,536.16	76,605	63,230	43,397	8.43	5,148
1994	97,502.70	70,683	58,342	41,111	8.45	4,865
1995	118,235.01	84,764	69,964	50,635	8.46	5,985
1996	39,107.58	27,687	22,853	17,037	8.48	2,009
1997	19,935.33	13,921	11,490	8,844	8.50	1,040
2002	2,705.83	1,728	1,426	1,334	8.58	155
2004	316,394.94	191,810	158,320	164,403	8.62	19,072
2006	230,535.58	130,998	108,126	127,020	8.65	14,684
2007	626,248.12	341,820	282,138	356,635	8.67	41,134
2008	166,191.76	86,572	71,457	98,059	8.69	11,284
2010	64,446.35	29,819	24,613	41,123	8.72	4,716
2011	2,662,175.19	1,137,435	938,839	1,776,579	8.74	203,270



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PROBAB	UNIT 2 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
2012	21,546.95	8,343	6,886	15,092	8.76	1,723
2013	3,838,608.27	1,307,111	1,078,890	2,836,490	8.78	323,063
2017	1,056,777.03	57,453	47,422	1,030,491	8.88	116,046
	13,081,042.08	6,558,472	5,413,366	7,929,297		916,063
CRAIG	COMMON					
INTERI	M SURVIVOR CURV	E IOWA 50-S	30			
	LE RETIREMENT Y		16			
NET SA	LVAGE PERCENT	-3				
1979	2,528,306.50	2,056,059	1,697,072	907,083	8.16	111,162
1983	8,557.00	6,823	5,632	3,182	8.25	386
1985	179.00	141	116	68	8.28	8
1986	36,860.00	28,882	23,839	14,127	8.30	1,702
1989	21,738.00	16,671	13,760	8,630	8.36	1,032
1993	16,473.77	12,190	10,062	6,906	8.43	819
1994	126,621.42	92,692	76,508	53,912	8.45	6,380
1995	35,835.47	25,943	21,413	15,497	8.46	1,832
1997	20,441.08	14,414	11,897	9,157	8.50	1,077
1999	11,379.74	7,782	6,423	5,298	8.53	621
2000	13,325.73	8,951	7,388	6,337	8.55	741
2001	14,433.80	9,505	7,845	7,021	8.57	819
2002	60,485.67	38,999	32,190	30,110	8.58	3,509
2003	181,954.92	114,483	94,494	92,919	8.60	10,805
2004	28,325.60	17,340	14,312	14,863	8.62	1,724
2006	64,900.86	37,240	30,738	36,110	8.65	4,175
2008	121,049.66	63,675	52,557	72,124	8.69	8,300
2010	27,587.14	12,890	10,639	17,775	8.72	2,038
2012	7,761.45	3,035	2,505	5,489	8.76	627
2013	185,700.67	63,854	52,705	138,567	8.78	15,782
2017	24,885.41	1,366	1,127	24,504	8.88	2,759
	3,536,802.89	2,632,935	2,173,226	1,469,681		176,298



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
DAVE J	JOHNSTON UNIT 1					
	M SURVIVOR CURV	E IOWA 50-S	30			
	BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-4				
1958	2,443,754.29	2,099,613	1,778,714	762,791	8.21	92,910
1961	1,719.75	1,467	1,243	546	8.36	65
1963	4,524.41	3,839	3,252	1,453	8.44	172
1964	15,422.00	13,053	11,058	4,981	8.48	587
1965	190.64	161	136	62	8.52	7
1967	2,311.94	1,940	1,643	761	8.60	88
1968	2,500.53	2,093	1,773	827	8.63	96
1970	4,627.07	3,848	3,260	1,552	8.70	178
1975	658,007.81	537,417	455,280	229,048	8.86	25,852
1976	7,922.90	6,446	5,461	2,779	8.88	313
1977	1,276.76	1,034	876	452	8.91	51
1978	105,947.98	85,441	72,382	37,803	8.94	4,229
1979	10,603.59	8,510	7,209	3,818	8.97	426
1982	3,470.73	2,743	2,324	1,286	9.04	142
1983	15,122.88	11,883	10,067	5,661	9.07	624
1987	2,493.59	1,909	1,617	976	9.16	107
1988	504,483.54	383,214	324,645	200,018	9.18	21,788
1989	452,158.31	340,716	288,642	181,603	9.20	19,739
1991	8,558.12	6,332	5,364	3,536	9.25	382
1992	167,940.61	123,029	104,226	70,433	9.27	7,598
1993	16,037.07	11,625	9,848	6,830	9.29	735
1996	24,653.51	17,219	14,587	11,052	9.35	1,182
1997	832,187.37	572,615	485,098	380,377	9.38	40,552
2001	30,416.31	19,458	16,484	15,149	9.46	1,601
2002	295,892.11	184,947	156,680	151,048	9.48	15,933
2003	200,150.12	121,955	103,316	104,840	9.50	11,036
2004	25,943.69	15,359	13,012	13,970	9.52	1,467
2005	49,956.53	28,630	24,254	27,701	9.54	2,904
2006	47,510.88	26,256	22,243	27,168	9.56	2,842
2007	145,974.38	77,267	65,458	86,356	9.59	9,005
2008	4,628,392.34	2,333,213	1,976,611	2,836,917	9.61	295,205
2009	101,233.05	48,195	40,829	64,453	9.63	6,693
2012	8,588.59	3,171	2,686	6,246	9.70	644
2016	590,926.79	80,563	68,250	546,314	9.81	55,690
2017	108,173.82	5,441	4,609	107,891	9.84	10,965
	11,519,074.01	7,180,602	6,083,138	5,896,699		631,808



#### ACCOUNT 314 TURBOGENERATOR UNITS

77. T.	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTERI PROBA	JOHNSTON UNIT 2 IM SURVIVOR CURVI BLE RETIREMENT YI ALVAGE PERCENT	EAR 12-202				
1960	2,852,380.84	2,438,710	2,065,984	900,492	8.31	108,362
1961	1,719.74	1,467	1,243	546	8.36	65
1967	1,717.08	1,441	1,221	565	8.60	66
1968	2,500.53	2,093	1,773	827	8.63	96
1973	37,907.24	31,197	26,429	12,995	8.80	1,477
1975	658,007.81	537,417	455,280	229,049	8.86	25,852
1976	4,220.30	3,434	2,909	1,480	8.88	167
1977	1,276.75	1,034	876	452	8.91	51
1978	105,747.89	85,280	72,246	37,732	8.94	4,221
1979	87,722.84	70,404	59,644	31,588	8.97	3,522
1981	3,160.90	2,512	2,128	1,159	9.02	128
1982	15,253.96	12,057	10,214	5,650	9.04	625
1983	6,098.05	4,792	4,060	2,282	9.07	252
1986	570,065.87	439,404	372,247	220,622	9.14	24,138
1987	2,493.59	1,909	1,617	976	9.16	107
1988	587,224.27	446,065	377,890	232,824	9.18	25,362
1989	53,912.54	40,625	34,416	21,653	9.20	2,354
1991	8,631.60	6,386	5,410	3,567	9.25	386
1992	167,940.61	123,029	104,226	70,433	9.27	7,598
1993	10,535.56	7,637	6,470	4,487	9.29	483
1994	1,763,883.46	1,264,002	1,070,815	763,624	9.31	82,022
1999	7,913.09	5,267	4,462	3,768	9.42	400
2000	111,534.99	72,852	61,717	54,279	9.44	5,750
2001	30,416.31	19,458	16,484	15,149	9.46	1,601
2002	1,637.99	1,024	867	836	9.48	88
2004	47,895.80	28,354	24,020	25,791	9.52	2,709
2005	49,869.82	28,581	24,213	27,652	9.54	2,899
2006	47,496.62	26,248	22,236	27,160	9.56	2,841
2007	3,213,313.54	1,700,866	1,440,910	1,900,936	9.59	198,221
2008	4,843,853.29	2,441,829	2,068,626	2,968,981	9.61	308,947
2009	35,446.47	16,875	14,296	22,568	9.63	2,344
2011	86,083.49	35,227	29,843	59,684	9.68	6,166
2012	8,588.59	3,171	2,686	6,246	9.70	644
2014	129,654.15	35,091	29,728	105,113	9.75	10,781
2016	123,361.17	16,818	14,248	114,048	9.81	11,626
	15,679,466.75	9,952,556	8,431,433	7,875,212		842,351



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
DAVE 3	JOHNSTON UNIT 3					
INTER	IM SURVIVOR CURV	E IOWA 50-S	30			
PROBA	BLE RETIREMENT Y	EAR 12-202	27			
	ALVAGE PERCENT					
1964	4,108,026.41	3,476,965	2,945,555	1,326,793	8.48	156,461
1968	2,500.53	2,093	1,773	827	8.63	96
1972	4,532.06	3,743	3,171	1,542	8.77	176
1975	658,007.81	537,417	455,280	229,049	8.86	25,852
1976	11,737.69	9,550	8,090	4,117	8.88	464
1977	2,614.03	2,118	1,794	924	8.91	104
1978	105,730.83	85,266	72,234	37,726	8.94	4,220
1979	450,912.91	361,888	306,578	162,371	8.97	18,102
1980	2,802.97	2,239	1,897	1,018	8.99	113
1981	9,729.95	7,732	6,550	3,569	9.02	396
1982	10,187.85	8,053	6,822	3,773	9.04	417
1985	9,388.59	7,288	6,174	3,590	9.11	394
1986	43,587.80	33,597	28,462	16,869	9.14	1,846
1987	2,493.59	1,909	1,617	976	9.16	107
1988	10,658.31	8,096	6,859	4,226	9.18	460
1989	275,111.46	207,305	175,621	110,495	9.20	12,010
1990	522,496.47	390,159	330,528	212,868	9.23	23,063
1991	651,813.07	482,241	408,537	269,349	9.25	29,119
1992	1,860,648.55	1,363,066	1,154,739	780,336	9.27	84,179
1993	10,434.58	7,564	6,408	4,444	9.29	478
1994	38,623.76	27,678	23,448	16,721	9.31	1,796
1996	27,321.95	19,083	16,166	12,248	9.35	1,310
1998	191,427.89	129,646	109,831	89,254	9.40	9,495
1999	6,173,067.37	4,109,115	3,481,089	2,938,902	9.42	311,985
2000	63,934.01	41,760	35,378	31,114	9.44	3,296
2002	217,722.01	136,087	115,288	111,143	9.48	11,724
2004	55,789.82	33,028	27,980	30,041	9.52	3,156
2005	1,279,395.35	733,225	621,161	709,410	9.54	74,362
2006	161,730.54	89,376	75,716	92,484	9.56	9,674
2007	70,402.19	37,265	31,570	41,649	9.59	4,343
2010	3,931,893.29	1,748,692	1,481,426	2,607,743	9.65	270,232
2012	8,588.59	3,171	2,686	6,246	9.70	644
2014	144,330.15	39,063	33,093	117,011	9.75	12,001
2015	194,281.85	40,609	34,402	167,651	9.78	17,142
2015	137,011.45	18,679	15,824	126,668	9.81	12,912
2010	37,788.77	1,901	1,610	37,690	9.84	3,830
2011	31,100.11	1,701	1,010	37,070	J.UI	5,030
	21,486,724.45	14,206,667	12,035,357	10,310,836		1,105,959



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR   COST   (3)		ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
DAVE JOHNSTON UNIT 4 INTERIM SURVIVOR CURVE. IOWA 50-S0 PROBABLE RETIREMENT YEAR 12-2027 NET SALVAGE PERCENT4  1972  7,730,754.18  6,384,793  5,408,958  2,631,026  8.77  300,003 1975  2,804.55  2,291  1,941  976  8.86  110 1977  1,518.14  1,230  1,042  537  8.91  60 1978  132,593.09  106,929  90,586  47,311  8.94  5,292 1979  22,717.16  18,232  15,445  8,180  8.97  912 1980  116,304.50  92,909  78,709  42,248  8.99  4.699 1981  7,861.50  6,247  5,292  2,884  9.02  320 1985  22,556.21  17,509  14,833  8,625  9.11  947 1986  42,149.37  32,489  27,523  16,312  9.14  1,785 1987  1,049,181.65  803,031  680,298  410,851  9.16  44,853 1988  856,418.93  650,550  551,122  339,554  9.18  36,988 1989  2,479,446.63  1,868,342  1,582,790  995,835  9.20  108,243 1990  9,124.71  6,814  5,773  3,717  9.23  403 1991  618,421.07  457,536  387,607  255,551  9.25  27,627 1992  167,940.62  123,029  104,226  70,433  9.27  7,598 1993  1,095,273.98  793,942  672,598  466,487  9.29  50,214 1994  6,129,75  4,393  3,722  2,653  9,31  285 1995  78,861.03  55,819  47,288  34,728  9.33  3,722 1996  136,635.11  99,432  80,846  61,254  9.35  6,551 1997  686,419,35  472,315  400,128  313,748  9.38  3,449 1998  816,000.00  552,643  468,179  380,461  9.40  40,475 1999  340,789,34  226,847  192,176  162,245  9.42  17,223 2000  60,887.54  39,770  33,692  29,631  9.44  3,139 2001  255,280.69  163,312  138,352  127,140  9.46  13,440 2002  39,090.21  24,433  20,699  19,955  9.48  20,052 2003  4,416,709,46  2,691,168  2,279,857  2,313,521  9.50  243,529 2004  49,211.22  29,133  24,680  26,499  9.52  2,784 2005  1,716,774.81  98,388  833,513  951,933  9.54  9,783 2006  264,735,94  146,300  123,940  151,385  9.56  15,835 2007  150,423,99  26,690  163,512  18,852  127,140  9.46  13,440 2002  39,090.21  24,433  20,699  19,955  9.48  20,050 2012  259,778.21  95,904,706  5,002,246  7,896,602  9.63  820,000 2010  31,684,67  14,092  11,938  21,014  9,65  2,478 2011  292,641,48  119,755  101,452  202,895  9.68  20,960 2012  259,778.21  95,904,706  5,00	YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
INTERIM SURVIVOR CURVE. 10WA 50-80 PROBABLE RETIREMENT YEAR. 12-2027 NET SALVAGE PERCENT4  1972 7,730,754.18 6,384,793 5,408,958 2,631,026 8.77 300,003 1975 2,804.55 2,291 1,941 976 8.86 110 1977 1,518.14 1,230 1,042 537 8.91 60 1978 132,593.09 106,929 90,586 47,311 8.94 5,292 1979 22,717.16 18,232 15,445 8,180 8.97 912 1980 116,304.50 92,909 78,709 42,248 8.99 4,699 1981 7,861.50 6,247 5,292 2,884 9,02 320 1985 22,556.21 17,509 14,833 8,625 9.11 947 1986 42,149.37 32,489 27,523 16,312 914 1,785 1987 1,049,181.65 803,031 680,298 410,851 9.16 44,853 1988 856,418.93 650,550 551,122 339,554 9.18 36,988 1989 2,479,446.63 1,868,342 1,582,790 995,835 9.20 108,243 1990 9,124.71 6,814 5,773 3,717 9,23 403 1991 618,421.07 457,536 387,607 255,551 9,25 27,627 1992 167,940.62 123,029 104,226 70,433 9,27 7,598 1993 1,095,273,98 793,942 672,598 466,487 9,29 50,214 1994 6,129,75 4,393 3,722 2,653 9,31 285 1995 78,861.03 55,819 47,288 34,728 9,33 3,722 1996 136,635.11 95,432 80,846 61,254 9,35 6,551 1997 686,419,35 472,315 400,128 313,748 9,33 3,722 1998 816,000.00 552,643 468,179 380,461 9,40 40,475 1999 340,789,34 226,847 192,176 162,245 9,42 17,223 2000 60,887,54 39,770 33,692 29,631 9,44 3,139 2001 255,280.69 163,312 138,352 127,140 9,46 13,440 1998 816,000.00 552,643 468,179 380,461 9,40 40,475 1999 340,789,34 226,847 192,176 162,245 9,42 17,223 2000 60,887,54 39,770 33,692 29,631 9,44 3,139 2001 255,280.69 163,312 138,352 127,140 9,46 13,440 2002 39,090.21 24,433 20,699 19,955 9,48 2,105 2003 4,416,709,46 2,691,168 2,279,857 2,313,521 9,50 243,529 2004 49,211.22 29,133 24,680 26,499 9,52 2,784 2005 1,716,774,81 98,388 833,513 951,933 9,54 9,78 3 2006 264,735,94 146,300 123,940 151,385 9,56 15,835 2007 50,423,99 26,690 22,611 29,830 9,59 3,111 2008 460,271.28 232,027 196,565 282,118 9,61 29,357 2009 12,402,738,52 5,904,706 5,002,246 7,896,602 9,63 820,000 2010 31,684,67 14,092 11,938 21,014 9,65 2,178 2011 292,641,48 119,755 101,452 202,895 9,68 20,960	(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTERIM SURVIVOR CURVE. 10WA 50-80 PROBABLE RETIREMENT YEAR. 12-2027 NET SALVAGE PERCENT4  1972 7,730,754.18 6,384,793 5,408,958 2,631,026 8.77 300,003 1975 2,804.55 2,291 1,941 976 8.86 110 1977 1,518.14 1,230 1,042 537 8.91 60 1978 132,593.09 106,929 90,586 47,311 8.94 5,292 1979 22,717.16 18,232 15,445 8,180 8.97 912 1980 116,304.50 92,909 78,709 42,248 8.99 4,699 1981 7,861.50 6,247 5,292 2,884 9.02 320 1985 22,556.21 17,509 14,833 8,625 9.11 947 1986 42,149.37 32,489 27,523 16,312 914 1,785 1987 1,049,181.65 803,031 680,298 410,851 9.16 44,853 1988 856,418.93 650,550 551,122 339,554 9.18 36,988 1989 2,479,446.63 1,868,342 1,582,790 995,835 9.20 108,243 1990 9,124.71 6,814 5,773 3,717 9,23 403 1991 618,421.07 457,536 387,607 255,551 9,25 27,627 1992 167,940.62 123,029 104,226 70,433 9,27 7,598 1993 1,095,273,98 793,942 672,598 466,487 9,29 50,214 1994 6,129,75 4,393 3,722 2,653 9,31 285 1995 78,861.03 55,819 47,288 34,728 9,33 3,722 1996 136,635.11 95,432 80,846 61,254 9,35 6,551 1997 686,419,35 472,315 400,128 313,748 9,38 33,449 1998 816,000.00 552,643 468,179 380,461 9,40 40,475 1999 340,789,34 226,847 192,176 162,245 9,42 17,223 2000 60,887,54 39,770 33,692 29,631 9,44 3,139 2001 255,280.69 163,312 138,352 127,140 9,46 13,440 1998 816,000.00 552,643 468,179 380,461 9,40 40,475 1999 340,789,34 226,847 192,176 162,245 9,42 17,223 2000 60,887,54 39,770 33,692 29,631 9,44 3,139 2001 255,280.69 163,312 138,352 127,140 9,46 13,440 2002 39,090.21 24,433 20,699 19,955 9,48 2,005 2003 4,416,709,46 2,691,168 2,279,857 2,313,521 9,50 243,529 2004 49,211.22 29,133 24,680 26,499 9,52 2,784 2005 1,716,774,81 983,888 833,513 951,933 9,54 9,783 2006 264,735,94 146,300 123,940 151,385 9,56 15,835 2007 50,423,99 26,690 22,611 29,830 9,59 3,111 2008 460,271.28 232,027 196,565 282,118 9,61 29,357 2009 12,402,738,52 5,904,706 5,002,246 7,896,602 9,63 82,006 2012 255,778,21 95,904,706 5,002,246 7,896,602 9,63 82,006 2012 255,778,21 95,904,706 5,002,246 7,896,602 9,63 82,006 2012 255,778,23 36,742 31,126 87,048	ר. דעובת	OHNSTON UNIT 4					
PROBABLE RETIREMENT YEAR 12-2027 NT SALVAGE PERCENT 4  1972 7,730,754.18 6,384,793 5,408,958 2,631,026 8.77 300,003 1975 2,804.55 2,291 1,941 976 8.86 110 1977 1,518.14 1,230 1,042 537 8.91 60 1978 132,593.09 106,929 90,586 47,311 8.94 5,292 1979 22,717.16 18,232 15,445 8,180 8.97 912 1980 116,304.50 92,909 78,709 42,248 8.99 4,699 1981 7,861.50 6,247 5,292 2,884 9.02 320 1985 42,149.37 32,489 27,523 16,312 9.14 1,785 1987 1,049,181.65 803,031 680,298 410,651 9.16 44,853 1988 856,418.93 650,550 551,122 339,554 9.18 36,988 1989 2,479,446.63 1,868,342 1,582,790 995,835 9.20 108,243 1990 9,124.71 6,814 5,773 3,717 9,23 403 1991 618,421.07 457,536 387,607 255,551 9,25 27,627 1992 167,940.62 123,029 104,226 70,433 9,27 7,598 1993 1,095,273.98 793,942 672,598 466,847 9,29 50,214 1994 6,129.75 4,393 3,722 2,653 9,31 285 1995 78,861.03 55,819 47,288 34,728 9,33 3,722 1996 136,635.11 95,432 80,846 61,254 9,43 40,455 1997 686,419.35 472,315 400,128 313,748 9,38 33,449 1998 816,000.00 552,643 468,179 380,461 9,40 40,475 1999 840,749,834 226,847 192,176 162,245 9,42 17,223 2000 60,887,54 39,770 33,692 29,631 9,44 313,39 2001 255,280.69 163,312 138,352 127,140 9,46 13,440 2002 39,090.21 24,433 20,699 19,955 9,48 2,105 2003 4,416,709,46 2,691,168 2,279,857 2,313,521 9,50 243,529 2004 26,735,94 146,300 123,940 151,385 9,56 15,835 2007 150,423.99 26,690 22,611 29,830 9,59 33,11 2008 460,271.28 23,138,888 833,513 951,933 9,54 99,783 2006 264,735,94 146,300 123,940 151,385 9,56 15,835 2007 12,402,738.52 5,904,706 5,002,246 7,866,602 9,63 820,000 2010 31,684.67 14,092 11,388 21,014 9,65 2,178 2011 292,641.48 119,755 101,452 202,895 9,68 20,960 2012 259,778.21 95,924 81,263 188,906 9,70 19,475 2013 113,669.33 36,742 31,126 87,048 9,73 8,946			F T∩W7 50_9	!O			
NET SALVAGE PERCENT4							
1972         7,730,754.18         6,384,793         5,408,958         2,631,026         8.77         300,003           1975         2,804.55         2,291         1,941         976         8.86         110           1977         1,518.14         1,230         1,042         537         8.91         60           1978         132,593.09         106,929         90,586         47,311         8.94         5,292           1980         116,304.50         92,909         78,709         42,248         8.99         4,699           1981         7,861.50         6,247         5,292         2,884         9.02         320           1985         22,556.21         17,509         14,833         8,625         9.11         947           1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049,181.65         830,031         680,298         410,851         9.18         36,988           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,582,790         995,635         9.20         108,243				1 /			
1975         2,804.55         2,291         1,941         976         8.86         110           1977         1,518.14         1,230         1,042         537         8.91         60           1978         132,593.09         106,929         90,586         47,311         8.94         5,292           1979         22,717.16         18,232         15,445         8,180         8.97         912           1980         116,304.50         92,909         78,709         42,248         8.99         4,699           1981         7,861.50         6,247         5,292         2,884         9.02         320           1985         22,556.21         17,509         14,833         8,625         9.11         947           1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049,181.65         803,031         680,298         410,851         9.16         44,853           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,582,790         995,835         9.20         108,243	NEI DE	MUAGE IERCENI	1				
1975         2,804.55         2,291         1,941         976         8.86         110           1977         1,518.14         1,230         1,042         537         8.91         60           1978         132,593.09         106,929         90,586         47,311         8.94         5,292           1979         22,717.16         18,232         15,445         8,180         8.97         912           1980         116,304.50         92,909         78,709         42,248         8.99         4,699           1981         7,861.50         6,247         5,292         2,884         9.02         320           1985         22,556.21         17,509         14,833         8,625         9.11         947           1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049,181.65         803,031         680,298         410,851         9.16         44,853           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,582,790         995,835         9.20         108,243	1972	7,730,754.18	6,384,793	5,408,958	2,631,026	8.77	300,003
1977         1,518.14         1,230         1,042         537         8.91         60           1978         132,593.09         106,929         90,586         47,311         8.94         5,292           1979         22,717.16         18,232         15,445         8,180         8.97         912           1980         116,304.50         92,909         78,709         42,248         8.99         4,699           1985         22,556.21         17,509         14,833         8,625         9.11         947           1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049,181.65         803,031         680,298         410,851         9.16         44,853           1988         25,479,446.63         1,868,342         1,582,790         995,835         9.20         108,243           1990         9,124.71         6,814         5,773         3,717         9.23         403           1991         618,421.07         457,536         387,607         25,551         9.25         27,627           1992         167,940.62         123,029         104,226         70,433         9.27         7,598	1975						
1978         132,593.09         106,929         90,586         47,311         8.94         5,292           1979         22,717.16         18,232         15,445         8,180         8.97         912           1980         116,304.50         92,909         78,709         42,248         8.99         4,699           1981         7,861.50         6,247         5,292         2,884         9.02         320           1985         22,556.21         17,509         14,833         8,625         9.11         947           1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049,181.65         803,031         680,298         410,851         9.16         44,853           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,582,790         995,835         9.20         108,243           1990         618,421.07         457,536         387,607         255,551         9.25         27,627           1992         167,940.62         123,029         104,226         70,433         9.27         7,598 </td <td>1977</td> <td></td> <td>1,230</td> <td></td> <td>537</td> <td>8.91</td> <td></td>	1977		1,230		537	8.91	
1979         22,717.16         18,232         15,445         8,180         8.97         912           1980         116,304.50         92,909         78,709         42,248         8.99         4,699           1981         7,861.50         6,247         5,292         2,884         9.02         320           1985         22,556.21         17,509         14,833         8,625         9.11         947           1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049,181.65         803,031         680,298         410,851         9.16         44,853           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,582,790         995,835         9.20         108,243           1990         9,124.71         6,814         5,773         3,717         9.23         403           1991         161,940.62         123,029         104,226         70,433         9.27         7,598           1992         167,940.62         123,029         104,226         70,433         9.27         7,598 </td <td>1978</td> <td></td> <td>106,929</td> <td></td> <td>47,311</td> <td>8.94</td> <td>5,292</td>	1978		106,929		47,311	8.94	5,292
1981         7,861.50         6,247         5,292         2,884         9.02         320           1985         22,556.21         17,509         14,833         8,625         9.11         947           1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049.181.65         803,031         680.298         410,851         9.16         44,853           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,582,790         995,835         9.20         108,243           1990         9,124.71         6,814         5,773         3,717         9.23         403           1991         618,421.07         457,536         387,607         255,551         9.25         27,627           1992         167,940.62         123,029         104,226         70,433         9.27         7,598           1993         1,095,273.98         793,942         672,598         466,487         9.29         50,214           1994         6,129,75         4,393         3,722         2,653         9,31         285	1979						
1985         22,556.21         17,509         14,833         8,625         9.11         947           1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049,181.65         803,031         680,298         410,851         9.16         44,853           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,582,790         995,835         9.20         108,243           1990         9,124.71         6,814         5,773         3,717         9.23         403           1991         618,421.07         457,536         387,607         255,551         9.25         27,627           1992         167,940.62         123,029         104,226         70,433         9.27         7,598           1993         1,095,273.98         793,942         672,598         466,487         9.29         50,214           1994         6,129.75         4,393         3,722         2,653         9.31         285           1995         78,861.03         55,819         47,288         34,728         9.33         3,722<	1980	116,304.50	92,909	78,709	42,248	8.99	4,699
1985         22,556.21         17,509         14,833         8,625         9.11         947           1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049,181.65         803,031         680,298         410,851         9.16         44,853           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,582,790         995,835         9.20         108,243           1990         9,124.71         6,814         5,773         3,717         9.23         403           1991         618,421.07         457,536         387,607         255,551         9.25         27,627           1992         167,940.62         123,029         104,226         70,433         9.27         7,598           1993         1,095,273.98         793,942         672,598         466,487         9.29         50,214           1994         6,129.75         4,393         3,722         2,653         9.31         285           1995         78,861.03         55,819         47,288         34,728         9.33         3,722<	1981	7,861.50	6,247	5,292	2,884	9.02	320
1986         42,149.37         32,489         27,523         16,312         9.14         1,785           1987         1,049,181.65         803,031         680,298         410,851         9.16         44,853           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,552,790         995,835         9.20         108,243           1990         9,124.71         6,814         5,773         3,717         9.23         403           1991         618,421.07         457,536         387,607         255,551         9.25         27,627           1992         167,940.62         123,029         104,226         70,433         9.27         7,598           1993         1,095,273.98         793,942         672,598         466,487         9.29         50,214           1994         6,129.75         4,393         3,722         2,653         9.31         285           1995         78,861.03         55,819         47,288         34,728         9.33         3,722           1996         136,635.11         95,432         80,846         61,254         9.35         6,							
1987         1,049,181.65         803,031         680,298         410,851         9.16         44,853           1988         856,418.93         650,550         551,122         339,554         9.18         36,988           1989         2,479,446.63         1,868,342         1,582,790         995,835         9.20         108,243           1990         9,124.71         6,814         5,773         3,717         9.23         403           1991         618,421.07         457,536         387,607         255,551         9.25         27,627           1992         167,940.62         123,029         104,226         70,433         9.27         7,598           1993         1,095,273.98         793,942         672,598         466,487         9.29         50,214           1994         6,129.75         4,393         3,722         2,653         9.31         285           1995         78,861.03         55,819         47,288         34,728         9.33         3,722           1996         136,635.11         95,432         80,846         61,254         9.35         6,551           1997         686,419.35         472,315         400,128         313,748         9.38 <t< td=""><td></td><td>•</td><td></td><td></td><td>· ·</td><td></td><td>1,785</td></t<>		•			· ·		1,785
1988       856,418.93       650,550       551,122       339,554       9.18       36,988         1989       2,479,446.63       1,868,342       1,582,790       995,835       9.20       108,243         1990       9,124.71       6,814       5,773       3,717       9.23       403         1991       618,421.07       457,536       387,607       255,551       9.25       27,627         1992       167,940.62       123,029       104,226       70,433       9.27       7,598         1993       1,095,273.98       793,942       672,598       466,487       9.29       50,214         1994       6,129.75       4,393       3,722       2,653       9.31       285         1995       78,861.03       55,819       47,288       34,728       9.35       6,551         1997       686,419.35       472,315       400,128       313,748       9.38       33,449         1998       816,000.00       552,643       468,179       380,461       9.40       40,475         1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       33,770       33,692       29,631 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1989       2,479,446.63       1,868,342       1,582,790       995,835       9.20       108,243         1990       9,124.71       6,814       5,773       3,717       9.23       403         1991       618,421.07       457,536       387,607       255,551       9.25       27,627         1992       167,940.62       123,029       104,226       70,433       9.27       7,598         1993       1,095,273.98       793,942       672,598       466,487       9.29       50,214         1994       6,129.75       4,393       3,722       2,653       9.31       285         1995       78,861.03       55,819       47,288       34,728       9.35       6,551         1997       686,419.35       472,315       400,128       313,748       9.38       33,449         1998       816,000.00       552,643       468,179       380,461       9.40       40,475         1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140							
1990         9,124.71         6,814         5,773         3,717         9.23         403           1991         618,421.07         457,536         387,607         255,551         9.25         27,627           1992         167,940.62         123,029         104,226         70,433         9.27         7,598           1993         1,095,273.98         793,942         672,598         466,487         9.29         50,214           1994         6,129.75         4,393         3,722         2,653         9.31         285           1995         78,861.03         55,819         47,288         34,728         9.35         6,551           1996         136,635.11         95,432         80,846         61,254         9.35         6,551           1997         686,419.35         472,315         400,128         313,748         9.38         33,449           1998         816,000.00         552,643         468,179         380,461         9.40         40,475           1999         340,789.34         226,847         192,176         162,245         9.42         17,223           2000         60,887.54         39,770         33,692         29,631         9.44         3,139							
1991         618,421.07         457,536         387,607         255,551         9.25         27,627           1992         167,940.62         123,029         104,226         70,433         9.27         7,598           1993         1,095,273.98         793,942         672,598         466,487         9.29         50,214           1994         6,129.75         4,393         3,722         2,653         9.31         285           1995         78,861.03         55,819         47,288         34,728         9.35         6,551           1996         136,635.11         95,432         80,846         61,254         9.35         6,551           1997         686,419.35         472,315         400,128         313,748         9.38         33,449           1998         816,000.00         552,643         468,179         380,461         9.40         40,475           1999         340,789.34         226,847         192,176         162,245         9.42         17,223           2000         60,887.54         39,770         33,692         29,631         9.44         3,139           2001         255,280.69         163,312         138,352         127,140         9.46         1							
1992       167,940.62       123,029       104,226       70,433       9.27       7,598         1993       1,095,273.98       793,942       672,598       466,487       9.29       50,214         1994       6,129.75       4,393       3,722       2,653       9.31       285         1995       78,861.03       55,819       47,288       34,728       9.35       6,551         1996       136,635.11       95,432       80,846       61,254       9.35       6,551         1997       686,419.35       472,315       400,128       313,748       9.38       33,449         1998       816,000.00       552,643       468,179       380,461       9.40       40,475         1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,16,709.46       2,691,168       2,279,857       2,313,521 <td>1991</td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>	1991			•			
1993       1,095,273.98       793,942       672,598       466,487       9.29       50,214         1994       6,129.75       4,393       3,722       2,653       9.31       285         1995       78,861.03       55,819       47,288       34,728       9.33       3,722         1996       136,635.11       95,432       80,846       61,254       9.35       6,551         1997       686,419.35       472,315       400,128       313,748       9.38       33,449         1998       816,000.00       552,643       468,179       380,461       9.40       40,475         1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1994       6,129.75       4,393       3,722       2,653       9.31       285         1995       78,861.03       55,819       47,288       34,728       9.33       3,722         1996       136,635.11       95,432       80,846       61,254       9.35       6,551         1997       686,419.35       472,315       400,128       313,748       9.38       33,449         1998       816,000.00       552,643       468,179       380,461       9.40       40,475         1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1995       78,861.03       55,819       47,288       34,728       9.33       3,722         1996       136,635.11       95,432       80,846       61,254       9.35       6,551         1997       686,419.35       472,315       400,128       313,748       9.38       33,449         1998       816,000.00       552,643       468,179       380,461       9.40       40,475         1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,78         2007       50,423.99       26,690       22,611       29,8			•	•	·		
1996       136,635.11       95,432       80,846       61,254       9.35       6,551         1997       686,419.35       472,315       400,128       313,748       9.38       33,449         1998       816,000.00       552,643       468,179       380,461       9.40       40,475         1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565							
1997       686,419.35       472,315       400,128       313,748       9.38       33,449         1998       816,000.00       552,643       468,179       380,461       9.40       40,475         1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565							
1998       816,000.00       552,643       468,179       380,461       9.40       40,475         1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246							
1999       340,789.34       226,847       192,176       162,245       9.42       17,223         2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938	1998	816,000.00	552,643		380,461	9.40	40,475
2000       60,887.54       39,770       33,692       29,631       9.44       3,139         2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938       21,014       9.65       2,178         2011       292,641.48       119,755       101,452	1999					9.42	
2001       255,280.69       163,312       138,352       127,140       9.46       13,440         2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938       21,014       9.65       2,178         2011       292,641.48       119,755       101,452       202,895       9.68       20,960         2012       259,778.21       95,924       81,263 <td>2000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	2000						
2002       39,090.21       24,433       20,699       19,955       9.48       2,105         2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938       21,014       9.65       2,178         2011       292,641.48       119,755       101,452       202,895       9.68       20,960         2012       259,778.21       95,924       81,263       188,906       9.70       19,475         2013       113,629.33       36,742       31,126						9.46	
2003       4,416,709.46       2,691,168       2,279,857       2,313,521       9.50       243,529         2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938       21,014       9.65       2,178         2011       292,641.48       119,755       101,452       202,895       9.68       20,960         2012       259,778.21       95,924       81,263       188,906       9.70       19,475         2013       113,629.33       36,742       31,126       87,048       9.73       8,946							
2004       49,211.22       29,133       24,680       26,499       9.52       2,784         2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938       21,014       9.65       2,178         2011       292,641.48       119,755       101,452       202,895       9.68       20,960         2012       259,778.21       95,924       81,263       188,906       9.70       19,475         2013       113,629.33       36,742       31,126       87,048       9.73       8,946	2003	4,416,709.46	2,691,168			9.50	
2005       1,716,774.81       983,888       833,513       951,933       9.54       99,783         2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938       21,014       9.65       2,178         2011       292,641.48       119,755       101,452       202,895       9.68       20,960         2012       259,778.21       95,924       81,263       188,906       9.70       19,475         2013       113,629.33       36,742       31,126       87,048       9.73       8,946	2004	49,211.22					
2006       264,735.94       146,300       123,940       151,385       9.56       15,835         2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938       21,014       9.65       2,178         2011       292,641.48       119,755       101,452       202,895       9.68       20,960         2012       259,778.21       95,924       81,263       188,906       9.70       19,475         2013       113,629.33       36,742       31,126       87,048       9.73       8,946	2005	1,716,774.81	983,888	833,513	951,933	9.54	99,783
2007       50,423.99       26,690       22,611       29,830       9.59       3,111         2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938       21,014       9.65       2,178         2011       292,641.48       119,755       101,452       202,895       9.68       20,960         2012       259,778.21       95,924       81,263       188,906       9.70       19,475         2013       113,629.33       36,742       31,126       87,048       9.73       8,946	2006	264,735.94			151,385	9.56	
2008       460,271.28       232,027       196,565       282,118       9.61       29,357         2009       12,402,738.52       5,904,706       5,002,246       7,896,602       9.63       820,000         2010       31,684.67       14,092       11,938       21,014       9.65       2,178         2011       292,641.48       119,755       101,452       202,895       9.68       20,960         2012       259,778.21       95,924       81,263       188,906       9.70       19,475         2013       113,629.33       36,742       31,126       87,048       9.73       8,946	2007	50,423.99			29,830	9.59	
2009     12,402,738.52     5,904,706     5,002,246     7,896,602     9.63     820,000       2010     31,684.67     14,092     11,938     21,014     9.65     2,178       2011     292,641.48     119,755     101,452     202,895     9.68     20,960       2012     259,778.21     95,924     81,263     188,906     9.70     19,475       2013     113,629.33     36,742     31,126     87,048     9.73     8,946	2008						
2010     31,684.67     14,092     11,938     21,014     9.65     2,178       2011     292,641.48     119,755     101,452     202,895     9.68     20,960       2012     259,778.21     95,924     81,263     188,906     9.70     19,475       2013     113,629.33     36,742     31,126     87,048     9.73     8,946			· ·				·
2011       292,641.48       119,755       101,452       202,895       9.68       20,960         2012       259,778.21       95,924       81,263       188,906       9.70       19,475         2013       113,629.33       36,742       31,126       87,048       9.73       8,946							
2012       259,778.21       95,924       81,263       188,906       9.70       19,475         2013       113,629.33       36,742       31,126       87,048       9.73       8,946		· ·					
2013 113,629.33 36,742 31,126 87,048 9.73 8,946							
		•					



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	JOHNSTON UNIT 4 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
2015	226,630.36	47,370	40,130	195,565	9.78	19,996
2016	180,998.11	24,676	20,905	167,333	9.81	17,057
2017	3,796,005.94	190,918	161,739	3,786,108	9.84	384,767
	41,342,089.77	23,626,692	20,015,651	22,980,122		2,423,557
INTERI PROBAE	JOHNSTON COMMON M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1958	9,816.99	8,435	7,146	3,064	8.21	373
1960	13,530.00	11,568	9,800	4,271	8.31	514
1964	28,099.76	23,783	20,148	9,076	8.48	1,070
1965	2,311.95	1,952	1,654	751	8.52	88
1972	27,833.86	22,988	19,475	9,473	8.77	1,080
1973	28,424.33	23,392	19,817	9,744	8.80	1,107
1979	20,411.06	16,381	13,877	7,350	8.97	819
1980	10,019.17	8,004	6,781	3,639	8.99	405
1982	31,376.57	24,801	21,010	11,621	9.04	1,286
1983	30,790.28	24,193	20,495	11,526	9.07	1,271
1985	38,985.30	30,262	25,637	14,908	9.11	1,636
1986	12,174.13	9,384	7,950	4,711	9.14	515
1988	120,777.29	91,744	77,722	47,886	9.18	5,216
1991	36,033.61	26,659	22,585	14,890	9.25	1,610
1992	42,868.13	31,404	26,604	17,979	9.27	1,939
1995	1,385,189.29	980,456	830,606	609,991	9.33	65,380
1996	63,033.82	44,026	37,297	28,258	9.35	3,022
1997	180,000.00	123,855	104,925	82,275	9.38	8,771
2001	39,002.04	24,951	21,138	19,425	9.46	2,053
2004	757,207.22	448,266	379,754	407,741	9.52	42,830
2005	126,679.36	72,600	61,504	70,243	9.54	7,363
2006	4,682.20	2,587	2,192	2,678	9.56	280
2007	154,478.48	81,768	69,271	91,387	9.59	9,529
2008	309,131.77	155,836	132,018	189,479	9.61	19,717
2010	206,903.14	92,019	77,955	137,224	9.65	14,220



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIN PROBABI	DHNSTON COMMON M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
2012 2014 2017	5,936,811.66 8,717.42 53,067.92	2,192,180 2,359 2,669	1,857,133 1,998 2,261	4,317,151 7,068 52,930	9.70 9.75 9.84	445,067 725 5,379
	9,678,356.75	4,578,522	3,878,753	6,186,738		643,265
PROBABI	UNIT 1 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
1951 1972 1979 1980 1982 1988 1994 1999 2003 2008	2,860,187.19 1,640.97 10,386.54 45,592.67 802.85 5,839.88 2,023,297.69 10,400.45 395,484.44 131,460.97 5,485,093.65	1,357 8,248 35,956 624 4,301 1,380,476 6,455 219,655 58,077	1,797 10,922 47,612 826 5,695	74 919 4,364 89 962 478,581 3,309 159,993 72,962	12.66 12.72 12.83 13.13 13.41	73 343 7 73 35,688
PROBABI		E IOWA 50-S EAR 12-203	0	721,233		33,203
1952 1957 1983 1984 1985 1986 1987 1994 1999 2000	3,628,615.36 47,940.51 14,501.45 121,290.00 34,223.44 60,792.79 89,465.23 177,061.07 10,400.48 301,931.37	3,268,055 42,309 11,183 92,767 25,953 45,683 66,576 120,807 6,455 183,002	4,136,622 54,652 14,957 124,071 34,711 61,099 89,042 161,573 8,633 244,756	1,575 14,199 4,304 8,205 12,948 40,276 3,223 99,446	12.88 12.93 12.98 13.03 13.08 13.41 13.64 13.68	122 1,098 332 630 990 3,003 236 7,269



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTERII PROBABI	UNIT 2 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
2001 2002	20,136.01 21,740.13	11,885 12,472	15,896 16,681	7,059 8,103	13.73 13.77	514 588
2004	203,931.85	109,267	146,139	86,343	13.87	6,225
2005	267,556.20	137,845	184,361	120,653	13.91	8,674
2008	152,695.23	67,458	90,222	83,851	14.05	5,968
2009	83,588.28	34,494	46,134	49,157	14.10	3,486
2011	66,483.19	23,034	30,807	44,984	14.20	3,168
2012	953,168.41	293,766	392,898	693,714	14.25	48,682
2013	36,430.37	9,687	12,956	28,575	14.30	1,998
2014	77,210.36	16,851	22,537	65,482	14.36	4,560
	6,369,161.73	4,579,549	5,888,746	1,372,098		97,543
INTERII PROBABI	UNIT 3 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
1955	3,966,226.78	3,528,171	4,521,499			
1961	1,961.77	1,704	2,207	29	11.35	3
1965	7,754.33	6,624	8,581	259	11.71	22
1970	795.66	665	861	46	12.09	4
1985	5,862.02	4,445	5,758	925	12.98	71
1991	170,872.12	121,532	157,431	37,364	13.28	2,814
1992	12,511.92	8,787	11,383	2,881	13.32	216
1996	32,850.95	21,675	28,077	9,373	13.50	694
1999	309,860.77	192,312	249,118	104,123	13.64	7,634
2000	113,083.60	68,540	88,786	40,130	13.68	2,933 24,206
2002 2003	839,939.66 32,088.81	481,878 17,822	624,217 23,086	333,314 13,495	13.77 13.82	24,206 976
2005	34,571.64	17,822	23,080	16,340	13.02	1,175
2005	164,360.91	80,956	104,869	82,502	13.96	5,910
2007	165,716.33	77,601	100,523	88,394	14.00	6,314
2009	269,115.01	111,055	143,859	162,932	14.10	11,555
2011	656,791.22	227,558	294,775	453,967	14.20	31,970
2012	65,454.86	20,173	26,132	48,487	14.25	3,403
2014	502,174.66	109,595	141,968	430,512	14.36	29,980



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERII PROBABI	UNIT 3 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
TVLI DI		11				
2015 2016 2017	225,720.19 11,294.55 18,735.89	37,239 1,194 710	48,239 1,547 920	209,082 11,329 20,439	14.48	14,499 782 1,406
	7,607,743.65		6,606,906	2,065,922		146,567
INTERII PROBAB	COMMON M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
1982 1985	16,457.50 1,614.91	12,790 1,225	16,446 1,575	2,315 266	12.83 12.98	180 20
1992	71,062.74	49,906	64,173	16,838	13.32	1,264
1994	104,744.93	71,466	91,897	27,513	13.41	2,052
1996 1999	16,279.25 31,412.84	10,741 19,496	13,812 25,070	4,747 10,741	13.50 13.64	352 787
2000	80,429.43	48,749	62,685	29,004	13.64	2,120
2001	101,621.79	59,980	77,127	38,722	13.73	2,820
2005	2,636.98	1,359	1,748	1,259	13.91	91
2009	49,448.29	20,406	26,240	30,131	14.10	2,137
	475,708.66	296,118	380,772	161,536		11,823
	UNIT 1 M SURVIVOR CURVI	E IOWA 50-S	30			
	LE RETIREMENT YI LVAGE PERCENT		0			
1965	1,543,758.30	1,227,694	1,220,351	369,720	10.52	35,144
1982	77,222.00	56,521	56,183	23,356	11.37	2,054
1983	22,775.00	16,554	16,455	7,003	11.41	614
1985	2,119.00	1,517	1,508	675	11.49	59
1988	8,167.00	5,693	5,659 15,007	2,753	11.61	237
1989 1990	23,163.00 27,572.00	15,993 18,837	15,897 18,724	7,961 9,675	11.64 11.68	684 828
1991	8,765.00	5,923	5,888	3,140	11.71	268
1993	17,183.67	11,324	11,256	6,443	11.79	546
1994	178,107.02	115,794	115,101	68,349	11.82	5,782



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HAYDEN	UNIT 1					
	M SURVIVOR CURV	E IOWA 50-S	0			
	LE RETIREMENT Y					
	LVAGE PERCENT					
1996	13,163.69	8,301	8,251	5,307	11.89	446
1997	145,240.38	90,038	89,499	60,098	11.92	5,042
1998	3,732.03	2,270	2,256	1,588	11.96	133
1999	156,725.87	93,442	92,883	68,545	11.99	5,717
2000	745,216.08	434,461	431,862	335,710	12.03	27,906
2001	1,321.30	752	748	613	12.06	51
2003	165,955.88	89,238	88,704	82,230	12.13	6,779
2009	487,826.83	198,523	197,336	305,126	12.34	24,727
2010	13,843.25	5,220	5,189	9,070	12.38	733
2011	22,845.58	7,861	7,814	15,717	12.42	1,265
2012	1,271,938.98	390,959	388,621	921,477	12.46	73,955
2013	107,591.93	28,658	28,487	82,333	12.50	6,587
2014	34,543.52	7,624	7,578	28,001	12.54	2,233
2016	16,460.28	1,777	1,766	15,188	12.64	1,202
2017	20,170.01	772	767	20,008	12.69	1,577
			0 010 -0-			004 = 40
	5,115,407.60	2,835,746	2,818,785	2,450,085		204,569
	_					
	UNIT 2		_			
	M SURVIVOR CURV					
	LE RETIREMENT Y		0			
NET SA	LVAGE PERCENT	-3				
1076	1 510 026 05	1 1/5 560	1 120 700	116 610	11 11	27 400
1976	1,510,026.05	1,145,560	1,138,709 2,320	416,618 942	11.11 11.33	37,499 83
1981	3,167.00 167,554.00	2,334 122,638	121,905		11.33	
1982 1983	5,448.00	3,960	3,936	50,676 1,675	11.41	4,457 147
1983	223.00	161	160	70	11.41	6
	3,097.00	2,217			11.45	
1985 1986	5,514.00	3,914	2,204 3,891	986 1,789	11.49	86 155
1987	702.00	494	491	232	11.53	20
		6,452				276
1989	9,344.00		6,413		11.64	
1991 1993	4,094.00 50,523.94	2,767	2,750 33,095	1,466	11.71 11.79	125
	•	33,294		18,945		1,607
1994	8,906.24	5,790	5,755	3,418	11.82	289
1996	8,632.81	5,444	5,411	3,480	11.89	293
1997	1,863.02	1,155	1,148 226,642	771 167 252	11.92	65 12 040
1999	382,422.89 69,757.65	228,006	40,426	167,253	11.99 12.03	13,949
2000	07,/0/.05	40,669	40,420	31,425	12.03	2,612

#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	UNIT 2 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
2001 2007 2008 2009 2011 2012 2013 2014 2016	50,529.35 26,588.36 222,041.61 20,161.58 1,009,157.25 266,833.68 29,530.53 69,124.01 577,665.75 4,502,907.72	28,755 12,181 96,218 8,205 347,222 82,017 7,866 15,257 62,367	28,583 12,108 95,643 8,156 345,145 81,526 7,819 15,166 61,994	23,462 15,278 133,060 12,610 694,287 193,312 22,597 56,032 533,002	12.06 12.27 12.31 12.34 12.42 12.46 12.50 12.54	1,945 1,245 10,809 1,022 55,901 15,515 1,808 4,468 42,168
INTERI PROBAB	COMMON M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 50-S EAR 12-203	0			
1965 1976 1982 1995 2001 2008 2009 2012 2014	1,683.56 10,306.26 657.00 6,209.39 51,116.11 103,417.00 25,965.72 47,412.42 5,012.23	1,326 7,743 476 3,940 28,806 44,379 10,464 14,432 1,096	1,318 7,697 473 3,916 28,634 44,114 10,401 14,346 1,089	399 2,816 197 2,417 23,505 61,372 16,084 34,015 4,023	10.52 11.11 11.37 11.85 12.06 12.31 12.34 12.46 12.54	38 253 17 204 1,949 4,986 1,303 2,730 321
INTERI PROBAB	UNIT 1 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
1978 1983 1984 1987 1988	10,488,691.07 5,029.74 14,301.04 92,521.42 17,475.48	6,797,691 3,092 8,683 54,043 10,061	6,003,640 2,731 7,669 47,730 8,886	5,324,146 2,701 7,776 52,193 9,988	18.34 19.04 19.18 19.56 19.69	290,302 142 405 2,668 507



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTER	R UNIT 1					
INTER	IM SURVIVOR CURV	E IOWA 50-S	0			
PROBA	BLE RETIREMENT Y	EAR 12-204	2			
NET SA	ALVAGE PERCENT	-8				
1989	905,423.43	513,649	453,649	524,209	19.81	26,462
1990	39,903.63	22,274	19,672	23,424	19.94	1,175
1991	47,612.66	26,133	23,080	28,341	20.06	1,413
1992	606,775.56	327,253	289,026	366,292	20.18	18,151
1994	77,118.90	40,001	35,328	47,960	20.42	2,349
1995	159,261.62	80,877	71,430	100,573	20.54	4,896
1996 1997	97,450.76 129,251.40	48,398 62,625	42,745 55,310	62,502 84,282	20.65 20.77	3,027 4,058
2000	844,460.35	375,778	331,883	580,134	21.12	27,468
2001	12,655,835.04	5,450,235	4,813,583	8,854,719	21.23	417,085
2002	154,246.27	64,061	56,578	110,008	21.35	5,153
2004	6,693,985.41	2,558,449	2,259,592	4,969,912	21.58	230,302
2005	1,073,936.15	390,870	345,212	814,639	21.70	37,541
2006	181,032.07	62,467	55,170	140,345	21.81	6,435
2007	1,457.05	473	418	1,156	21.93	53
2008	33,861.39	10,270	9,070	27,500	22.05	1,247
2009	20,398.15	5,710	5,043	16,987	22.18	766
2010	29,957,729.31	7,653,744	6,759,696	25,594,652	22.30	1,147,742
2011	10,953.71	2,510	2,217	9,613	22.43	429
2013	77,513.51	13,233	11,687	72,027	22.69	3,174
2014	1,017,855.84	140,719	124,281	975,003	22.82	42,726
2015	56,468.40	5,815	5,136	55,850	22.96	2,432
2016	79,045.73	5,105	4,509	80,861	23.11	3,499
2017	353,877.90	7,881	6,960	375,228	23.27	16,125
	65,893,472.99	24,742,100	21,851,930	49,313,021		2,297,732
HUNTER	R UNIT 2					
INTER	IM SURVIVOR CURV	E IOWA 50-S	0			
	BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-8				
1980	7,823,482.05	4,969,153	4,388,697	4,060,664	18.63	217,964
1984	7,490.45	4,548	4,017	4,073	19.18	212
1988	118,690.82	68,333	60,351	67,835	19.69	3,445
1989	26,811.64	15,210	13,433	15,523	19.81	784
1990	3,186.32	1,779	1,571	1,870	19.94	94
1991	1,632,884.20 217,768.19	896,236	791,545	971,970	20.06	48,453
1994	211,100.19	112,955	99,761	135,429	20.42	6,632



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER:	R UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
1995 1997 2001 2002 2003 2004 2005 2006 2008 2009 2011 2013 2015	1,342,580.16 327,873.39 59,926.74 6,892,437.15 44,577.53 53,940.66 201,296.64 6,225,203.85 33,015.12 70,758.15 20,060,509.82 30,392.68 638,656.00	681,798 158,861 25,807 2,862,526 17,801 20,616 73,264 2,148,069 10,013 19,807 4,596,304 5,189 65,768	602,156 140,304 22,792 2,528,149 15,722 18,208 64,706 1,897,149 8,843 17,493 4,059,401 4,583 58,086	847,831 213,799 41,928 4,915,683 32,422 40,048 152,694 4,826,071 26,813 58,925 17,605,949 28,241 631,663 34,679,433	20.54 20.77 21.23 21.35 21.46 21.58 21.70 21.81 22.05 22.18 22.43 22.69 22.96	41,277 10,294 1,975 230,243 1,511 1,856 7,037 221,278 1,216 2,657 784,929 1,245 27,511
INTER:	R UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
1983 1987 1991 1993 1994 1997 1998 2001 2002 2003 2004 2006 2007 2010 2011	22,793,835.20 12,321.78 18,105.90 383,176.54 46,721.04 2,589,224.09 103,008.55 145,610.43 497,042.01 233,744.50 46,583.81 178,153.04 8,558,081.89 153,802.43 27,199.20	14,010,468 7,197 9,938 202,810 24,234 1,254,532 48,638 62,707 206,429 93,341 17,804 61,473 2,779,288 39,294 6,232	12,373,880 6,356 8,777 179,119 21,403 1,107,988 42,957 55,382 182,316 82,438 15,724 54,292 2,454,634 34,704 5,504	12,243,462 6,951 10,777 234,711 29,056 1,688,374 68,293 101,877 354,490 170,006 34,586 138,113 6,788,094 131,403 23,871	19.04 19.56 20.06 20.30 20.42 20.77 20.88 21.23 21.35 21.46 21.58 21.93 22.30 22.43	643,039 355 537 11,562 1,423 81,289 3,271 4,799 16,604 7,922 1,603 6,333 309,535 5,893 1,064
2012	25,459,677.89	5,128,363	4,529,310	22,967,142	22.55	1,018,49



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	R UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
2013 2015 2016	104,661.96 77,526.37 23,143,615.58		15,780 7,051 1,320,108	97,255 76,677 23,674,997		3,340
	84,572,092.21	25,473,306	22,497,723	68,840,137		3,145,802
INTERI PROBAE	R UNITS 1 AND 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	YE IOWA 50-9 YEAR 12-204				
1978 1980 1983 1993 1994 1995 2005 2010 2016 2017	150,340.46 217,296.47 75,934.81 60,044.49 30,129.18 2,620,339.02 57,603.62 69,822.40 337,848.31 243,598.94 3,862,957.70	97,435 138,018 46,674 31,781 15,628 1,330,678 20,965 17,839 21,820 5,425	86,053 121,896 41,222 28,069 13,802 1,175,239 18,516 15,755 19,271 4,791	76,314 112,784 40,788 36,779 18,737 1,654,727 43,696 59,653 345,605 258,296		4,161 6,054 2,142 1,812 918 80,561 2,014 2,675 14,955 11,100
INTER] PROBAE	R UNITS 1, 2 AND IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	0 3 COMMON YE IOWA 50-8 YEAR 12-204	50	2,017,373		120,372
1978 1989 1994 2003 2005 2006 2009 2017	376,605.22 678.34 27,124.47 52,890.02 58,468.95 146,597.92 529,775.47 24,098.14	244,077 385 14,069 21,121 21,280 50,585 148,298 537	215,566 340 12,426 18,654 18,794 44,676 130,975 474	191,168 393 16,869 38,467 44,352 113,650 441,182 25,552	18.34 19.81 20.42 21.46 21.70 21.81 22.18 23.27	10,424 20 826 1,792 2,044 5,211 19,891 1,098
	1,216,238.53	500,352	441,905	871,633		41,306



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	NGTON UNIT 1					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		36			
NET SA	ALVAGE PERCENT	-8				
1977	11,388,517.91	8,107,896	7,285,525	5,014,074	15.06	332,940
1980	47,422.99	32,966	29,622	21,595	15.33	1,409
1985	5,642.14	3,742	3,362	2,731	15.74	174
1987	98,719.82	64,061	57,563	49,054	15.89	3,087
1988	327,020.82	209,628	188,366	164,817	15.97	10,320
1989	62,454.17	39,527	35,518	31,933	16.05	1,990
1990	44,949.49	28,076	25,228	23,317	16.12	1,446
1991	6,566.52	4,044	3,634	3,458	16.19	214
1992	84,406.88	51,182	45,991	45,169	16.27	2,776
1993	26,240.59	15,660	14,072	14,268	16.34	873
1994	1,432,637.79	840,388	755,149	792,100	16.41	48,269
1996	8,482.76	4,791	4,305	4,856	16.55	293
1997	3,550,825.70	1,963,043	1,763,935	2,070,957	16.62	124,606
1999	37,432.66	19,726	17,725	22,702	16.76	1,355
2000	29,812.95	15,290	13,739	18,459	16.83	1,097
2001	165,070.25	82,203	73,865	104,411	16.90	6,178
2002	46,727.23	22,533	20,248	30,218	16.97	1,781
2003	70,860.44	32,973	29,629	46,901	17.04	2,752
2004	2,284,842.50	1,022,191	918,512	1,549,118	17.11	90,539
2005	9,216,701.82	3,947,373	3,546,997	6,407,041	17.18	372,936
2006	685,178.28	279,229	250,907	489,085	17.26	28,336
2007	163,108.10	62,881	56,503	119,654	17.33	6,904
2008	74,068.97	26,808	24,089	55,906	17.40	3,213
2009	180,896.46	60,812	54,644	140,724	17.48	8,051
2010	26,083,319.51	8,056,616	7,239,446	20,930,539	17.55	1,192,623
2012	380,891.78	93,787	84,274	327,089	17.71	18,469
2014	592,867.72	101,846	91,516	548,781	17.87	30,710
2016	1,082,469.26	88,592	79,606	1,089,461	18.05	60,358
2017	2,421,692.94	70,120	63,008	2,552,421	18.15	140,629
	60,599,828.45	25,347,984	22,776,978	42,670,837		2,494,328



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER:	NGTON UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1974	2,583,416.11	1,878,986	1,688,403	1,101,686	14.77	74,589
1977	11,735,291.39	8,354,776	7,507,364	5,166,750	15.06	343,078
1980	10,821.81	7,523	6,760	4,928	15.33	321
1981	262,522.26	180,962	162,607	120,917	15.41	7,847
1985	1,198.58	795	714	580	15.74	37
1987	102,794.19	66,705	59,939	51,079	15.89	3,215
1988	365,609.56	234,364	210,593	184,265	15.97	11,538
1989	15,424.24	9,762	8,772	7,886	16.05	491
1990	113,956.92	71,178	63,959	59,115	16.12	3,667
1991	241.96	149	134	127	16.19	8
1992	2,875,613.15	1,743,705	1,566,844	1,538,818	16.27	94,580
1993	54,882.10	32,752	29,430	29,843	16.34	1,826
1994	4,441,135.97	2,605,179	2,340,940	2,455,487	16.41	149,634
1995	16,765.48	9,656	8,677	9,430	16.48	572
1996	511,054.30	288,620	259,346	292,593	16.55	17,679
1997	49,982.30	27,632	24,829	29,152	16.62	1,754
1998	8,394,201.45	4,535,589	4,075,551	4,990,186	16.69	298,993
1999	590,056.02	310,939	279,401	357,860	16.76	21,352
2002	71,070.95	34,273	30,797	45,960	16.97	2,708
2003	2,507,896.58	1,166,997	1,048,630	1,659,898	17.04	97,412
2004	72,779.69	32,560	29,257	49,345	17.11	2,884
2006	4,365,385.90	1,779,013	1,598,571	3,116,046	17.26	180,536
2007	545,625.89	210,348	189,013	400,263	17.33	23,097
2008	969,303.24	350,820	315,237	731,611	17.40	42,047
2009	14,439.13	4,854	4,362	11,233	17.48	643
2010	100,555.98	31,060	27,910	80,691	17.55	4,598
2011	12,376,928.20	3,448,707	3,098,910	10,268,172	17.63	582,426
2012	36,113.76	8,892	7,990	31,013	17.71	1,751
2013	37,641.11	7,928	7,124	33,529	17.79	1,885
2014	33,950.08	5,832	5,240	31,426	17.87	1,759
2015	1,020,828.82	131,869	118,494	984,001	17.96	54,788
2016	1,469,963.88	120,305	108,103	1,479,458	18.05	81,964
2017	2,355,045.24	68,190	61,274	2,482,175	18.15	136,759
	58,102,496.24	27,760,920	24,945,174	37,805,522		2,246,438



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HUNTIN	GTON COMMON					
INTERI	M SURVIVOR CURV	E IOWA 50-S	0			
PROBAB	LE RETIREMENT Y	EAR 12-203	6			
NET SA	LVAGE PERCENT	-8				
1974	2,419,808.70	1,759,990	1,581,477	1,031,916	14.77	69,866
1977	312,577.87	222,535	199,964	137,620	15.06	9,138
1979	67,735.27	47,478	42,662	30,492	15.24	2,001
1980	8,514.55	5,919	5,319	3,877	15.33	253
1984	41,985.41	28,138	25,284	20,060	15.66	1,281
1986	109,596.75	71,911	64,617	53,747	15.82	3,397
1987	12,046.55	7,817	7,024	5,986	15.89	377
1990	13,017.96	8,131	7,306	6,753	16.12	419
1992	13,929.26	8,446	7,589	7,454	16.27	458
1994 1995	1,983,560.50	1,163,561	1,045,543	1,096,703	16.41	66,831
	529,014.82	304,682	273,779	297,557	16.48 16.62	18,056
1997	6,711.61	3,710 92,478	3,334	3,915	16.76	236
1999	175,492.33 42,804.01		83,098 19,726	106,434	16.76	6,350 1,575
2000 2003	138,037.35	21,953 64,233	57,718	26,502 91,362	17.04	5,362
2005	23,886.56	10,230	9,192	16,605	17.18	967
2005	212,095.62	86,435	77,668	151,395	17.16	8,771
2007	66,319.07	25,567	22,974	48,651	17.20	2,807
2007	18,025.46	6,524	5,862	13,605	17.40	782
2011	68,895.04	19,197	17,250	57,157	17.40	3,242
2011	322,138.55	79,320	71,275	276,635	17.03	15,620
2012	20,514.96	3,524	3,167	18,990	17.71	1,063
2011	206,511.50	16,900	15,186	207,835	18.05	11,514
2017	55,674.13	1,612	1,448	58,680	18.15	3,233
2017	33,071.13	1,012	1,110	30,000	10.13	3,233
	6,868,882.79	4,060,291	3,648,462	3,769,931		233,599
JIM BR	IDGER UNIT 1					
INTERI	M SURVIVOR CURV	E IOWA 50-S	30			
PROBAB	LE RETIREMENT Y	EAR 12-202	18			
NET SA	LVAGE PERCENT	-6				
1974	7,281,620.23	5,965,025	5,280,204	2,438,313	9.58	254,521
1979	60,575.00	48,484	42,918	21,292	9.75	2,184
1981	329,743.00	261,087	231,113	118,415	9.81	12,071
1982	40,375.00	31,782	28,133	14,664	9.84	1,490
1983	157,664.00	123,336	109,176	57,948	9.87	5,871
1984	18,826.00	14,630	12,950	7,005	9.90	708
1985	62,317.00	48,095	42,573	23,483	9.93	2,365



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		(3)	( 1 )	(3)	(0)	( , ,
	IDGER UNIT 1	T TOTAL FO G	0			
	M SURVIVOR CURV					
	LE RETIREMENT Y		8			
NET SA	LVAGE PERCENT	-0				
1986	435,922.00	334,082	295,727	166,350	9.95	16,719
1987	1,109.00	843	746	429	9.98	43
1990	3,213,503.97	2,380,332	2,107,055	1,299,259	10.06	129,151
1991	34,190.90	25,070	22,192	14,051	10.09	1,393
1992	40,151.99	29,136	25,791	16,770	10.11	1,659
1994	35,251.92	24,984	22,116	15,251	10.16	1,501
1995	44,939.67	31,423	27,815	19,821	10.19	1,945
1996	448,875.00	309,494	273,962	201,845	10.21	19,769
1998	5,584,928.49	3,728,846	3,300,752	2,619,272	10.26	255,290
1999	16,721.86	10,957	9,699	8,026	10.29	780
2000	91,881.67	59,025	52,249	45,146	10.31	4,379
2002	98,427.29	60,359	53,429	50,904	10.36	4,914
2003	94,092.66	56,124	49,681	50,058	10.39	4,818
2004	80,509.34	46,614	41,262	44,077	10.41	4,234
2006	2,582,997.21	1,388,948	1,229,488	1,508,489	10.47	144,077
2009	45,399.68	20,927	18,524	29,599	10.54	2,808
2010	18,445,487.61	7,915,519	7,006,769	12,545,447	10.57	1,186,892
2013	40,046.85	12,362	10,943	31,507	10.66	2,956
2014	6,977,433.95	1,796,656	1,590,389	5,805,691	10.69	543,096
	46,262,991.29	24,724,140	21,885,659	27,153,112		2,605,634
	IDGER UNIT 2	T TOUT FO G	0			
	M SURVIVOR CURV					
	LE RETIREMENT Y		2			
NEI SA	LVAGE PERCENT	-0				
1975	7,940,248.48	6,009,161	5,319,273	3,097,390	12.42	249,387
1979	67,205.06	49,625	43,928	27,310	12.66	2,157
1980	9,072.00	6,652	5,888	3,728	12.72	293
1981	329,744.00	240,102	212,537	136,992	12.77	10,728
1982	38,191.88	27,598	24,430	16,054	12.83	1,251
1983	82,707.29	59,305	52,496	35,173	12.88	2,731
1984	21,490.00	15,283	13,528	9,251	12.93	715
1985	37,099.00	26,159	23,156	16,169	12.98	1,246
1986	3,890.00	2,718	2,406	1,717	13.03	132
1987	10,099.00	6,988	6,186	4,519	13.08	345
1990	64,545.40	43,218	38,256	30,162	13.23	2,280
1991	77,394.80	51,184	45,308	36,731	13.28	2,766



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
JIM BF	RIDGER UNIT 2					
INTERI	M SURVIVOR CURV	E IOWA 50-S	0			
	BLE RETIREMENT Y		2			
NET SA	ALVAGE PERCENT	-6				
1992	18,444.85	12,044	10,661	8,890	13.32	667
1993	49,223.54	31,689	28,051	24,126	13.37	1,804
1994	103,200.32	65,471	57,955	51,438	13.41	3,836
1995	47,840.46	29,857	26,429	24,282	13.46	1,804
1996	6,539.51	4,012	3,551	3,380	13.50	250
1997	2,756,040.14	1,659,123	1,468,646	1,452,757	13.55	107,215
1999	16,721.86	9,650	8,542	9,183	13.64	673
2001	73,906.22	40,560	35,903	42,437	13.73	3,091
2003	9,090.58	4,695	4,156	5,480	13.82	397
2005	8,269,777.87	3,961,602	3,506,786	5,259,178	13.91	378,086
2006	1,750,758.67	801,819	709,765	1,146,039	13.96	82,094
2008	125,276.38	51,461	45,553	87,240	14.05	6,209
2009	4,577,278.10	1,756,345	1,554,706	3,297,209	14.10	233,845
2012	8,744.30	2,506	2,218	7,051	14.25	495
2013	32,487,282.05	8,031,974	7,109,855	27,326,664	14.30	1,910,956
2014	135,351.85	27,466	24,313	119,160	14.36	8,298
2016	317,037.89	31,163	27,585	308,475	14.48	21,304
2017	376,539.43	13,267	11,744	387,388	14.54	26,643
	59,810,740.93	23,072,697	20,423,812	42,975,573		3,061,698
TTM DT	TDOED IINITE 2					
	RIDGER UNIT 3 IM SURVIVOR CURV	TOWN EO C	10			
	IM SURVIVOR CURV BLE RETIREMENT Y					
	ALVAGE PERCENT					
INET OF	ALVAGE FERCENT	1				
1976	8,646,587.00	6,051,819	5,357,034	3,894,814	15.53	250,793
1979	66,430.00	45,397	40,185	30,895	15.83	1,952
1981	281,608.30	189,115	167,403	133,917	16.02	8,359
1982	17,987.00	11,968	10,594	8,652	16.11	537
1984	18,827.00	12,281	10,871	9,274	16.29	569
1985	30,182.00	19,477	17,241	15,054	16.38	919
1986	3,317.00	2,116	1,873	1,676	16.47	102
1987	9,421.36	5,942	5,260	4,821	16.55	291
1988	3,024,249.00	1,883,353	1,667,133	1,568,814	16.64	94,280
1990	225,986.29	137,026	121,295	120,511	16.80	7,173
1991	43,816.27	26,183	23,177	23,706	16.88	1,404
1992	25,205.29	14,827	13,125	13,845	16.96	816
1994	35,251.94	20,037	17,737	19,983	17.12	1,167



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
JIM B	RIDGER UNIT 3					
INTER	IM SURVIVOR CURV	E IOWA 50-S	0			
	BLE RETIREMENT Y		7			
NET SA	ALVAGE PERCENT	-7				
1995	105,299.53	58,719	51,978	60 602	17 20	2 520
1996	6,020,958.42	3,289,631	2,911,961	60,693 3,530,464	17.20 17.28	3,529 204,309
1998	28,730.74	15,005	13,282	17,460	17.43	1,002
1999	77,222.27	39,310	34,797	47,831	17.51	2,732
2000	13,593.31	6,733	5,960	8,585	17.58	488
2001	20,345.31	9,774	8,652	13,118	17.66	743
2003	3,915,360.36	1,755,834	1,554,254	2,635,182	17.81	147,961
2004	353,472.93	152,221	134,745	243,471	17.89	13,609
2007	4,710,358.13	1,743,667	1,543,483	3,496,600	18.13	192,863
2008	113,870.86	39,513	34,977	86,865	18.21	4,770
2011	6,599,317.13	1,758,115	1,556,273	5,504,997	18.46	298,212
2015	9,664,848.97	1,182,538	1,046,775	9,294,613	18.82	493,869
2017	82,780.13	2,268	2,008	86,567	19.03	4,549
	44,135,026.54	18,472,869	16,352,072	30,872,406		1,736,998
TTM BI	RIDGER UNIT 4					
	RIDGER UNIT 4 IM SURVIVOR CURV	E IOWA 50-S	10			
INTER	RIDGER UNIT 4 IM SURVIVOR CURV BLE RETIREMENT Y					
INTER: PROBA	IM SURVIVOR CURV	EAR 12-203				
INTERI PROBAL NET SA	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203 -7	7			
INTERIPORAL NET SA	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT 11,347,574.98	EAR 12-203 -7 7,754,671	7 6,864,388	5,277,517	15.83	333,387
INTERIPOBAL PROBAL NET SA 1979 1982	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98  124,825.00	EAR 12-203 -7 7,754,671 83,053	7 6,864,388 73,518	60,045	16.11	3,727
INTERI PROBAI NET SA 1979 1982 1983	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98  124,825.00  16,666.00	EAR 12-203 -7 7,754,671 83,053 10,982	7 6,864,388 73,518 9,721	60,045 8,111	16.11 16.20	3,727 501
INTER: PROBAR NET SA 1979 1982 1983 1984	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98  124,825.00  16,666.00  47,449.00	EAR 12-203 -7 7,754,671 83,053 10,982 30,951	7 6,864,388 73,518 9,721 27,398	60,045 8,111 23,373	16.11 16.20 16.29	3,727 501 1,435
INTER: PROBAR NET SA 1979 1982 1983 1984 1985	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7 7,754,671 83,053 10,982 30,951 24,099	6,864,388 73,518 9,721 27,398 21,332	60,045 8,111 23,373 18,627	16.11 16.20 16.29 16.38	3,727 501 1,435 1,137
INTER: PROBAR NET SA 1979 1982 1983 1984 1985 1986	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7 7,754,671 83,053 10,982 30,951 24,099 75,432	6,864,388 73,518 9,721 27,398 21,332 66,772	60,045 8,111 23,373 18,627 59,745	16.11 16.20 16.29 16.38 16.47	3,727 501 1,435 1,137 3,628
INTER: PROBAR NET SA 1979 1982 1983 1984 1985 1986 1987	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7 7,754,671 83,053 10,982 30,951 24,099 75,432 699	6,864,388 73,518 9,721 27,398 21,332 66,772 619	60,045 8,111 23,373 18,627 59,745 567	16.11 16.20 16.29 16.38 16.47 16.55	3,727 501 1,435 1,137 3,628
INTER: PROBAB NET SA  1979 1982 1983 1984 1985 1986 1987 1988	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7 7,754,671 83,053 10,982 30,951 24,099 75,432 699 22,469	6,864,388 73,518 9,721 27,398 21,332 66,772 619 19,889	60,045 8,111 23,373 18,627 59,745 567 18,717	16.11 16.20 16.29 16.38 16.47 16.55 16.64	3,727 501 1,435 1,137 3,628 34 1,125
INTER: PROBAR NET SA  1979 1982 1983 1984 1985 1986 1987 1988 1990	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7 7,754,671 83,053 10,982 30,951 24,099 75,432 699 22,469 592,788	6,864,388 73,518 9,721 27,398 21,332 66,772 619 19,889 524,732	60,045 8,111 23,373 18,627 59,745 567 18,717 521,340	16.11 16.20 16.29 16.38 16.47 16.55 16.64 16.80	3,727 501 1,435 1,137 3,628 34 1,125 31,032
INTER: PROBAR NET SA 1979 1982 1983 1984 1985 1986 1987 1988 1990 1991	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7 7,754,671 83,053 10,982 30,951 24,099 75,432 699 22,469 592,788 1,726,041	6,864,388 73,518 9,721 27,398 21,332 66,772 619 19,889 524,732 1,527,881	60,045 8,111 23,373 18,627 59,745 567 18,717 521,340 1,562,835	16.11 16.20 16.29 16.38 16.47 16.55 16.64 16.80 16.88	3,727 501 1,435 1,137 3,628 34 1,125 31,032 92,585
INTER: PROBAR NET SA  1979 1982 1983 1984 1985 1986 1987 1988 1990	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7 7,754,671 83,053 10,982 30,951 24,099 75,432 699 22,469 592,788 1,726,041 18,802	6,864,388 73,518 9,721 27,398 21,332 66,772 619 19,889 524,732	60,045 8,111 23,373 18,627 59,745 567 18,717 521,340 1,562,835 17,557	16.11 16.20 16.29 16.38 16.47 16.55 16.64 16.80 16.88 16.96	3,727 501 1,435 1,137 3,628 34 1,125 31,032 92,585 1,035
INTER: PROBAR NET SA  1979 1982 1983 1984 1985 1986 1987 1988 1990 1991 1992	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7 7,754,671 83,053 10,982 30,951 24,099 75,432 699 22,469 592,788 1,726,041	6,864,388 73,518 9,721 27,398 21,332 66,772 619 19,889 524,732 1,527,881 16,643	60,045 8,111 23,373 18,627 59,745 567 18,717 521,340 1,562,835	16.11 16.20 16.29 16.38 16.47 16.55 16.64 16.80 16.88	3,727 501 1,435 1,137 3,628 34 1,125 31,032 92,585
INTER: PROBAR NET SA  1979 1982 1983 1984 1985 1986 1987 1988 1990 1991 1992 1993	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7  7,754,671 83,053 10,982 30,951 24,099 75,432 699 22,469 592,788 1,726,041 18,802 5,223	6,864,388 73,518 9,721 27,398 21,332 66,772 619 19,889 524,732 1,527,881 16,643 4,623	60,045 8,111 23,373 18,627 59,745 567 18,717 521,340 1,562,835 17,557 5,036	16.11 16.20 16.29 16.38 16.47 16.55 16.64 16.80 16.88 16.96 17.04	3,727 501 1,435 1,137 3,628 34 1,125 31,032 92,585 1,035 296
INTER: PROBAR NET SZ  1979 1982 1983 1984 1985 1986 1987 1988 1990 1991 1992 1993 1994	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7  7,754,671 83,053 10,982 30,951 24,099 75,432 699 22,469 592,788 1,726,041 18,802 5,223 16,801	6,864,388 73,518 9,721 27,398 21,332 66,772 619 19,889 524,732 1,527,881 16,643 4,623 14,872 21,657 168,144	60,045 8,111 23,373 18,627 59,745 567 18,717 521,340 1,562,835 17,557 5,036 16,756 25,288 203,857	16.11 16.20 16.29 16.38 16.47 16.55 16.64 16.80 16.88 16.96 17.04 17.12 17.20 17.28	3,727 501 1,435 1,137 3,628 34 1,125 31,032 92,585 1,035 296 979 1,470 11,797
INTER: PROBAB NET SA  1979 1982 1983 1984 1985 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7  7,754,671 83,053 10,982 30,951 24,099 75,432 699 22,469 592,788 1,726,041 18,802 5,223 16,801 24,466 189,952 219,352	6,864,388 73,518 9,721 27,398 21,332 66,772 619 19,889 524,732 1,527,881 16,643 4,623 14,872 21,657 168,144 194,169	60,045 8,111 23,373 18,627 59,745 567 18,717 521,340 1,562,835 17,557 5,036 16,756 25,288 203,857 244,658	16.11 16.20 16.29 16.38 16.47 16.55 16.64 16.80 16.88 17.04 17.12 17.20 17.28 17.35	3,727 501 1,435 1,137 3,628 34 1,125 31,032 92,585 1,035 296 979 1,470 11,797 14,101
INTER: PROBAB NET SA  1979 1982 1983 1984 1985 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT  11,347,574.98	EAR 12-203 -7  7,754,671 83,053 10,982 30,951 24,099 75,432 699 22,469 592,788 1,726,041 18,802 5,223 16,801 24,466 189,952	6,864,388 73,518 9,721 27,398 21,332 66,772 619 19,889 524,732 1,527,881 16,643 4,623 14,872 21,657 168,144	60,045 8,111 23,373 18,627 59,745 567 18,717 521,340 1,562,835 17,557 5,036 16,756 25,288 203,857	16.11 16.20 16.29 16.38 16.47 16.55 16.64 16.80 16.88 16.96 17.04 17.12 17.20 17.28	3,727 501 1,435 1,137 3,628 34 1,125 31,032 92,585 1,035 296 979 1,470 11,797



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	RIDGER UNIT 4 M SURVIVOR CURV BLE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
2000 2001 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2015 2016 2017	4,724,626.43 329,272.82 29,380.87 9,456,541.35 66,734.02 125,906.74 64,560.59 7,635,342.60 97,027.80 57,097.16 58,451.81 1,010,696.76 175,271.58 3,325,489.48 21,897.66	2,340,021 158,189 13,176 4,072,392 27,477 49,308 23,899 2,649,472 31,261 16,874 15,572 237,139 21,445 258,153 600	2,071,373 140,028 11,663 3,604,857 24,322 43,647 21,155 2,345,297 27,672 14,937 13,784 209,914 18,983 228,515 531	2,983,978 212,294 19,774 6,513,642 47,083 91,073 47,925 5,824,520 76,148 46,157 48,759 871,532 168,558 3,329,758 22,899	17.58 17.66 17.81 17.89 17.97 18.05 18.13 18.21 18.29 18.37 18.46 18.55 18.82 18.92	169,737 12,021 1,110 364,094 2,620 5,046 2,643 319,853 4,163 2,513 2,641 46,983 8,956 175,991 1,203
INTERI	45,562,255.38 RIDGER COMMON EM SURVIVOR CURV		19,196,817	29,554,796		1,685,617
	BLE RETIREMENT Y LVAGE PERCENT		7			
1975 1976 1978 1983 1985 1987 1988 1989 1990 1991 1993 1994 1995 1997 2001	860,484.80 279,685.49 129.00 5,693.00 18,196.00 38,382.92 281,322.34 476,897.27 133,333.33 16,501.36 32,733.35 713,766.42 114,787.37 83,401.93 284,388.17	606,616 195,754 89 3,751 11,742 24,208 175,194 293,130 80,846 9,860 18,938 405,709 64,010 44,608 136,626	536,973 173,280 79 3,320 10,394 21,429 155,081 259,477 71,564 8,728 16,764 359,131 56,661 39,487 120,940	383,746 125,983 59 2,771 9,076 19,641 145,934 250,803 71,102 8,928 18,261 404,599 66,161 49,753 183,355	15.43 15.53 15.73 16.20 16.38 16.55 16.64 16.72 16.80 16.88 17.04 17.12 17.20 17.35	24,870 8,112 4 171 554 1,187 8,770 15,000 4,232 529 1,072 23,633 3,847 2,868 10,383
2002	11,941.29	5,549	4,912	7,865	17.74	443



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
JIM BR	IDGER COMMON					
	M SURVIVOR CURV		0			
	LE RETIREMENT Y		7			
NET SA	LVAGE PERCENT	-7				
2003	10,763.48	4,827	4,273	7,244	17.81	407
2003	87,652.15	37,747	33,413	60,374	17.81	3,375
2005	65,140.30	26,821	23,742	45,958	17.97	2,557
2006	2,267,300.02	887,920	785,981	1,640,030	18.05	90,860
2007	298,664.30	110,559	97,866	221,705	18.13	12,229
2008	382,488.36	132,724	117,486	291,776	18.21	16,023
2012	89,843.40	21,080	18,660	77,473	18.55	4,176
2013	32,237.39	6,466	5,724	28,770	18.64	1,543
2014	337,310.10	55,037	48,718	312,203	18.73	16,669
2015	1,064,622.34	130,261	115,306	1,023,840	18.82	54,402
2016	394,575.94	30,630	27,113	395,083	18.92	20,882
2017	605,343.84	16,582	14,678	633,040	19.03	33,265
	8,987,585.66	3,537,284	3,131,182	6,485,535		362,063
NAUGHT	ON UNIT 1					
INTERI	M SURVIVOR CURV	E IOWA 50-S	0			
PROBAB	LE RETIREMENT Y	EAR 12-202	9			
NET SA	LVAGE PERCENT	-9				
1963	4,165,717.53	3,585,374	2,920,093	1,620,539	9 77	165,869
1973	1,984.54	1,647	1,341	822	10.27	80
1979	419,107.89	337,719	275,054	181,774	10.51	17,295
1980	306,538.07	245,663	200,079	134,047	10.54	12,718
1982	53,072.28	42,003	34,209	23,640	10.62	2,226
1983	113,588.01	89,320	72,746	51,065	10.65	4,795
1984	28,019.15	21,882	17,822	12,719	10.68	1,191
1985	230,945.83	178,993	145,780	105,951	10.72	9,883
1988	30,716.15	23,221	18,912	14,568	10.82	1,346
1990	1,282.00	951	775	623	10.88	57
1992	84,394.54	61,242	49,878	42,112	10.94	3,849
1994	1,365,085.34	966,017	786,768	701,175		63,743
1995	4,734.68	3,304	2,691	2,470	11.03	224
1997	1,900,825.05	1,285,282	1,046,793	1,025,107	11.09	92,435
2000	70,837.72	45,182	36,798	40,415	11.18	3,615
2001	75,064.57	46,773	38,094	43,726	11.21	3,901
2002	688,404.38	418,048	340,477	409,883	11.24	36,466
2004	1,003,181.22	573,425	467,024	626,444	11.30	55,438
2005	233,605.73	128,868	104,956	149,674	11.33	13,210



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NAUGHT	TON UNIT 1					
	IM SURVIVOR CURV	E IOWA 50-S	0			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
2006	77,451.29	41,027	33,414	51,008	11.36	4,490
2007	3,611,434.20	1,826,519	1,487,601	2,448,863	11.39	215,001
2008	12,701.91	6,095	4,964	8,881	11.42	778
2010	19,340.19	8,105	6,601	14,480	11.48	1,261
2012	2,758,962.63	947,139	771,393	2,235,876	11.55	193,582
2017	3,440,025.37	150,098	122,247	3,627,381	11.75	308,713
	20,697,020.27	11,033,897	8,986,511	13,573,241		1,212,166
	20,007,02012,	11,000,00	0,700,011	10,0,0,111		_,,
NAUGHT	ON UNIT 2					
	IM SURVIVOR CURV	E TOWA 50-S	10			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
1121 01						
1968	4,043,909.81	3,422,220	2,787,212	1,620,649	10.04	161,419
1979	437,333.63	352,405	287,015	189,679	10.51	18,047
1984	94,702.62	73,960	60,236	42,989	10.68	4,025
1987	20,546.54	15,675	12,766	9,629	10.78	893
1990	18,086.01	13,415	10,926	8,788	10.88	808
1992	9,653.74	7,005	5,705	4,817	10.94	440
1994	132,146.78	93,515	76,163	67,877	11.00	6,171
1996	471,779.27	324,274	264,104	250,136	11.06	22,616
1998	65,255.15	43,346	35,303	35,825	11.12	3,222
2000	101,352.04	64,645	52,650	57,824	11.18	5,172
2001	33,373.20	20,795	16,936	19,440	11.21	1,734
2002	3,662,164.10	2,223,929	1,811,269	2,180,489	11.24	193,994
2004	20,650.46	11,804	9,614	12,895	11.30	1,141
2005	254,895.81	140,613	114,522	163,315	11.33	14,414
2006	6,936,851.61	3,674,501	2,992,682	4,568,487	11.36	402,156
2007	44,193.76	22,351	18,204	29,968	11.39	2,631
2008	198,981.57	95,475	77,759	139,131	11.42	12,183
2009	36,529.34	16,473	13,416	26,401	11.45	2,306
2011	2,475,621.98	948,093	772,170	1,926,258	11.52	167,210
2012	48,858.80	16,773	13,661	39,595	11.55	3,428
2013	141,780.49	42,412	34,542	119,998	11.58	10,363
2014	81,258.72	20,140	16,403	72,169	11.62	6,211



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	ON UNIT 2 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
2015	775,920.69	147,347	120,006	725,747	11.66	62,242
2016	3,825,672.18	468,247	381,362	3,788,621	11.70	323,814
2017	97,855.51	4,270	3,478	103,185	11.75	8,782
	24,029,373.81	12,263,683	9,988,104	16,203,913		1,435,422
NAUGHT	ON UNIT 3					
INTERI	M SURVIVOR CURV	E IOWA 50-S	0			
PROBAE	BLE RETIREMENT Y	EAR 12-202	19			
NET SA	LVAGE PERCENT	-8				
1971	6,687,291.03	5,544,034	4,515,315	2,706,959	10.18	265,910
1979	377,612.87	301,490	245,547	162,275	10.51	15,440
1980	32,693.60	25,961	21,144	14,165	10.54	1,344
1982	103,439.01	81,113	66,062	45,652	10.62	4,299
1983	10,589.21	8,250	6,719	4,717	10.65	443
1984	140,569.78	108,774	88,591	63,225	10.68	5,920
1985	293,074.80	225,062	183,301	133,220	10.72	12,427
1986	127,926.17	97,491	79,401	58,759	10.75	5,466
1987	26,045.10	19,687	16,034	12,095	10.78	1,122
1988	22,577.75	16,912	13,774	10,610	10.82	981
1989	5,784.20	4,293	3,496	2,751	10.85	254
1991	22,562.88	16,408	13,363	11,004	10.91	1,009
1992	66,074.43	47,508	38,693	32,668	10.94	2,986
1993	1,144,900.71	813,266	662,361	574,132	10.97	52,337
1994	21,308.49	14,941	12,169	10,845	11.00	986
1995	1,567,291.55	1,083,735	882,643	810,032	11.03	73,439
1996	40,987.03	27,914	22,734	21,532	11.06	1,947
1998	24,834.71	16,345	13,312	13,509	11.12	1,215
1999	1,058,386.64	683,274	556,490	586,568	11.15	52,607
2000	235,307.64	148,708	121,115	133,018	11.18	11,898
2001	125,144.38	77,262	62,926	72,230	11.21	6,443
2002	35,623.07	21,434	17,457	21,016	11.24	1,870
2003	8,956,315.82	5,237,833	4,265,931	5,406,890	11.27	479,760
2004	121,316.62	68,709	55,960	75,062	11.30	6,643
2005	546,294.10	298,598	243,192	346,806	11.33	30,610
2006	475,110.95	249,361	203,091	310,029	11.36	27,291
2007	30,331.58	15,200	12,380	20,379	11.39	1,789
2008	393,074.40	186,874	152,199	272,322	11.42	23,846



#### ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	TON UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
2009 2011 2013 2015 2016 2017	12,408,583.98 113,884.38 104,500.59 3,585,655.63 104,188.35 61,612.42	5,544,374 43,214 30,973 674,668 12,635 2,664	4,515,592 35,195 25,226 549,480 10,291 2,170	8,885,679 87,800 87,635 3,323,028 102,233 64,372	11.45 11.52 11.58 11.66 11.70	776,042 7,622 7,568 284,994 8,738 5,478
INTER] PROBAE	39,070,893.87  FON COMMON  IM SURVIVOR CURV  BLE RETIREMENT Y	EAR 12-202		24,483,213		2,180,724
NET SA	ALVAGE PERCENT	-9				
1963 1984 1988 1994 2002 2003 2004 2005 2008 2011 2012 2013	45,314.18 3,522.69 10,638.08 38,551.63 21,045.05 212,702.11 509,771.84 16,103.18 266,115.36 84,089.55 18,934.16 72,431.35 1,299,219.18	39,001 2,751 8,042 27,281 12,780 125,544 291,389 8,883 127,687 32,204 6,500 21,667	31,764 2,241 6,550 22,219 10,409 102,249 237,320 7,235 103,994 26,228 5,294 17,647	17,628 1,599 5,046 19,802 12,530 129,597 318,331 10,318 186,072 65,429 15,344 61,304 843,000	9.77 10.68 10.82 11.00 11.24 11.27 11.30 11.33 11.42 11.52	1,804 150 466 1,800 1,115 11,499 28,171 911 16,294 5,680 1,328 5,294
INTERI PROBAE	C PLANT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1978 1981 1982 1983 1986	27,051,303.14 18,359.67 4,034.58 20,346.04 6,734.85	17,919,768 11,830 2,574 12,844 4,109	16,975,885 11,207 2,438 12,167 3,893	11,698,496 8,254 1,838 9,399 3,246	16.84 17.18 17.29 17.40 17.71	694,685 480 106 540 183



#### ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
WYODAK	CPLANT					
INTERI	M SURVIVOR CURV	E IOWA 50-S	0			
PROBAE	BLE RETIREMENT Y	EAR 12-203	9			
NET SA	ALVAGE PERCENT	-6				
1988	28,862.46	17,161	16,257	14,337	17.91	801
1989	16,272.05	9,542	9,039	8,209	18.01	456
1991	1,145,906.57	652,006	617,663	596,998	18.20	32,802
1992	47,101.80	26,361	24,972	24,955	18.30	1,364
1993	145,996.14	80,312	76,082	78,674	18.39	4,278
1994	1,102,867.72	595,228	563,876	605,164	18.49	32,729
1995	453,441.43	239,935	227,297	253,351	18.58	13,636
1997	136,733.57	69,200	65,555	79,383	18.77	4,229
1999	14,370.35	6,911	6,547	8,686	18.95	458
2000	621,206.91	290,271	274,982	383,498	19.04	20,142
2001	154,874.81	70,140	66,446	97,722	19.13	5,108
2002	54,895.65	24,019	22,754	35,436	19.22	1,844
2003	6,836.99	2,879	2,727	4,520	19.32	234
2004	117,455.62	47,443	44,944	79,559	19.41	4,099
2005	92,929.51	35,855	33,966	64,539	19.50	3,310
2006	4,772,700.11	1,747,198	1,655,168	3,403,894	19.60	173,668
2007	18,730.51	6,471	6,130	13,724	19.69	697
2008	556,634.05	179,889	170,414	419,618	19.79	21,204
2009	175,834.18	52,715	49,938	136,446	19.88	6,863
2010	13,527.28	3,708	3,513	10,826	19.98	542
2011	23,239,204.65	5,732,475	5,430,530	19,203,027	20.08	956,326
2012	96,716.79	20,964	19,860	82,660	20.19	4,094
2014	8,256.73	1,238	1,173	7,579	20.40	372
2016	6,335,663.94	446,735	423,204	6,292,600	20.63	305,022
2017	366,729.06	8,964	8,492	380,241	20.76	18,316
	66,824,527.16	28,318,745	26,827,120	44,006,879		2,308,588
DI IIMDI	TI CEOUIEDMAI II	מדדי 1				
	CLL GEOTHERMAL U IM SURVIVOR CURV		Λ			
	M SORVIVOR CORV BLE RETIREMENT Y					
_	ALVAGE PERCENT		1			
1984	9,330,438.94	6,256,927	5,592,204	4,671,279	16.29	286,757
1985	16,845.69	11,176	9,989	8,542	16.38	521
1987	115,672.60	74,999	67,031	60,209	16.55	3,638
1992	9,532.53	5,765	5,153	5,333	16.96	314
1993	101,268.34	60,231	53,832	57,563	17.04	3,378
1994	6,958.96	4,066	3,634	4,021	17.12	235



#### ACCOUNT 314 TURBOGENERATOR UNITS

#### CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	ELL GEOTHERMAL ( IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT.	/E IOWA 50-8 /EAR 12-203				
1995 1999 2001 2003 2004 2005 2006 2007 2012 2013 2014 2016 2017	378,453.91 156,217.35 3,133,591.48 122,491.54 295,432.25 11,615.55 120,028.49 596,389.50 200,791.90 3,049,757.31 12,989.66 99,281.72 20,054.33	216,959 81,752 1,547,646 56,471 130,793 4,917 48,323 226,960 48,433 628,845 2,179 7,923 565	193,910 73,067 1,383,227 50,472 116,898 4,395 43,189 202,848 43,288 562,038 1,948 7,081 505	222,390 98,772 2,063,723 84,269 208,078 8,382 88,842 453,180 177,584 2,792,695 12,341 102,129 21,555 11,140,886	17.20 17.51 17.66 17.81 17.89 17.97 18.05 18.13 18.55 18.64 18.73 18.92 19.03	12,930 5,641 116,859 4,732 11,631 466 4,922 24,996 9,573 149,823 659 5,398 1,133 643,606
INTER PROBA	ELL GEOTHERMAL ( IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT.	/E IOWA 50-8 /EAR 12-203				
2007 2011 2012 2015 2016 2017	15,816,146.78 173,344.89 9,743.87 96,132.97 288,727.76 55,296.87 16,439,393.14 983,650,602.15	5,964,212 47,044 2,329 11,982 22,832 1,543 6,049,942 476,254,889	5,330,586 42,046 2,082 10,709 20,406 1,379 5,407,208	11,909,014 146,900 8,539 94,076 294,307 58,895 12,511,731	18.13 18.46 18.55 18.82 18.92 19.03	656,868 7,958 460 4,999 15,555 3,095 688,935



COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 13.7 4.78

#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)	
INTER:	A UNIT 4 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 4-2025					
1978 1980 1981 1982 1983 1984 1985 1986 1987 1988 1990 1991 1994 1996 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2012 2013 2014 2016	925,455.08 647,885.00 41,474,992.30 5,021.00 47,847.94 14,347.00 258,003.71 48,917.77 2,439.00 133,534.51 269,107.00 49,887.00 20,095.93 31,303.68 35,709.88 103,686.53 87,189.40 322,225.42 792,733.69 583,923.31 279,013.03 18,723,196.09 1,089,902.19 436,547.56 638,181.82 168,133.19 749,960.62 742,404.51	808,478 561,397 35,785,254 4,312 40,893 12,197 218,169 41,120 2,038 110,838 220,264 40,503 15,879 24,207 25,632 72,989 60,059 216,638 518,426 369,706 170,361 10,960,274 607,124 229,161 283,483 66,259 251,552 130,732	482,599 335,111 21,361,057 2,574 24,410 7,281 130,230 24,545 1,217 66,162 131,481 24,177 9,479 14,450 15,300 43,569 35,851 129,316 309,461 220,686 101,692 6,542,445 362,407 136,792 169,218 39,552 150,157 78,037	479,874 338,689 21,772,935 2,648 25,352 7,640 138,094 26,329 1,320 72,714 148,391 27,705 11,421 18,106 21,838 64,265 54,826 205,798 514,982 386,594 188,481 12,929,679 771,092 317,218 494,491 135,307 629,802 694,064	7.20 7.21 7.21 7.22 7.22 7.23 7.24 7.24 7.25 7.25 7.26 7.27 7.29 7.29 7.29 7.29 7.30 7.30 7.30 7.30 7.31 7.31 7.31 7.31	66,649 46,975 3,019,825 367 3,511 1,057 19,100 3,637 182 10,030 20,468 3,816 1,571 2,491 2,996 8,816 7,521 28,230 70,642 52,958 25,819 1,771,189 105,629 43,455 67,646 18,510 86,156 94,947	
	68,681,644.16	51,847,945	30,949,254	40,479,656		5,584,193	
COLSTRIP GENERATING STATION INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2027 NET SALVAGE PERCENT6							
1984 1986 1987	5,455,901.12 3,172,804.27 96,904.11	4,434,484 2,542,659 77,045	3,323,594 1,905,693 57,744	2,459,661 1,457,479 44,974	9.80 9.81 9.82	250,986 148,571 4,580	



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COLSTR INTERI PROBAB	IP GENERATING ST M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	TATION E IOWA 80-R EAR 12-202	2.5	( - /	( 1 )	` ,
1988	18,835.73	14,852	11,131	8,834	9.83	899
1989	12,950.56	10,121	7,586	6,142	9.84	624
1990	7,649.23	5,924	4,440	3,668	9.84	373
1992	15,853.57	12,024	9,012	7,793	9.86	790
1993	13,692.98	10,272	7,699	6,816	9.86	691
1995	2,611.62	1,909	1,431	1,338	9.88	135
1997	10,135.93	7,195	5,393	5,352	9.89	541
2000	642.48	432	324	357	9.90	36
2006	6,252.38	3,533	2,648	3,980	9.93	401
2007	8,155.82	4,414	3,308	5,337	9.93	537
2010	360.77	163	122	260	9.94	26
2011	44,072.73	18,367	13,766	32,951	9.94	3,315
2013	80,656.19	26,462	19,833	65,663	9.95	6,599
2014	164,072.42	44,970	33,704	140,212	9.95	14,092
2015	14,412.09	3,048	2,284	12,992	9.95	1,306
2016	96,727.44	13,342	10,000	92,531	9.96	9,290
2017	145,717.42	7,383	5,533	148,927	9.96	14,953
	9,368,408.86	7,238,599	5,425,245	4,505,268		458,745
PROBAB	UNIT 1 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
1980	6,826,824.07	5,715,666	4,717,713	2,245,647	7.85	286,070
1993	11,722.75	8,983	7,415	4,543	7.92	574
1995	12,602.91	9,454	7,803	5,052	7.92	638
1996	2,917.89	2,162	1,785	1,192	7.93	150
2000	20,123.13	14,045	11,593	8,933	7.94	1,125
2006	20,045.37	12,022	9,923	10,523	7.96	1,322
2008	54,952.44	30,350	25,051	31,001	7.96	3,895
2010	40,423.59	19,906	16,430	24,802	7.96	3,116
2015	4,749.07	1,153	952	3,892	7.97	488
2017	29,444.19	1,773	1,463	28,570	7.97	3,585
	7,023,805.41	5,815,514	4,800,128	2,364,154		300,963

#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
LE RETIREMENT YE	CAR 12-202				
6,716,416.13 51,668.91 11,459.63 2,391.77 15,763.48 24,606.43 51,628.38 64,489.41 127,891.52 5,579.69 290,284.19 7,362,179.54	5,528,414 38,409 8,321 1,690 10,370 12,850 23,887 27,483 43,354 1,589 15,337 5,711,704	4,563,155 31,703 6,868 1,395 8,559 10,606 19,716 22,684 35,784 1,312 12,659 4,714,443	2,287,589 20,999 4,821 1,045 7,519 14,492 32,945 43,095 94,665 4,380 283,431 2,794,980	8.80 8.89 8.90 8.91 8.93 8.95 8.95 8.96 8.96 8.96	259,953 2,362 542 117 842 1,619 3,681 4,810 10,565 489 31,598 316,578
LE RETIREMENT YE	CAR 12-202				
2,362,247.43 1,198.00 11,809.00 659.00 591.00 17,609.00 66,970.04 21,871.14 17,369.45 1,670.44 9,235.73 13,038.57 1,816.94 88,135.90 52,409.80 192,469.53	1,944,412 971 9,514 528 464 13,360 49,784 16,073 12,612 1,197 6,525 8,917 1,140 48,253 25,898 82,022 4,747	1,604,918 801 7,853 436 383 11,027 41,092 13,267 10,410 988 5,386 7,360 941 39,828 21,376 67,701 3 918	804,574 420 4,192 236 220 6,934 27,218 9,042 7,307 716 4,035 5,939 912 50,071 32,082 128,618 8633	8.80 8.82 8.83 8.84 8.86 8.88 8.90 8.90 8.91 8.91 8.92 8.93 8.95 8.95 8.96	91,429 48 475 27 25 781 3,062 1,016 821 80 453 666 102 5,595 3,585 14,355
	COST (2)  INIT 2 I SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT  6,716,416.13 51,668.91 11,459.63 2,391.77 15,763.48 24,606.43 51,628.38 64,489.41 127,891.52 5,579.69 290,284.19  7,362,179.54  COMMON I SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT  2,362,247.43 1,198.00 11,809.00 659.00 591.00 17,609.00 66,970.04 21,871.14 17,369.45 1,670.44 9,235.73 13,038.57 1,816.94 88,135.90 52,409.80	COST (2) (3)  INIT 2 I SURVIVOR CURVE IOWA 80-R LE RETIREMENT YEAR 12-202 LVAGE PERCENT2  6,716,416.13 5,528,414 51,668.91 38,409 11,459.63 8,321 2,391.77 1,690 15,763.48 10,370 24,606.43 12,850 51,628.38 23,887 64,489.41 27,483 127,891.52 43,354 5,579.69 1,589 290,284.19 15,337  7,362,179.54 5,711,704  COMMON I SURVIVOR CURVE IOWA 80-R LE RETIREMENT YEAR 12-202 LVAGE PERCENT2  2,362,247.43 1,944,412 1,198.00 9,514 659.00 528 591.00 464 17,609.00 13,360 66,970.04 49,784 21,871.14 16,073 17,369.45 12,612 1,670.44 1,197 9,235.73 6,525 13,038.57 8,917 1,816.94 1,140 88,135.90 48,253 52,409.80 25,898 192,469.53 82,022	COST (2) (3) RESERVE (4)  INIT 2 INIT	COST (3) RESERVE (4) (5)  INIT 2  (SURVIVOR CURVE IOWA 80-R2.5  LE RETIREMENT YEAR 12-2026  LVAGE PERCENT2  6,716,416.13 5,528,414 4,563,155 2,287,589 51,668.91 38,409 31,703 20,999 11,459.63 8,321 6,868 4,821 2,391.77 1,690 1,395 1,045 15,763.48 10,370 8,559 7,519 24,606.43 12,850 10,606 14,492 51,628.38 23,887 19,716 32,945 64,489.41 27,483 22,684 43,095 127,891.52 43,354 35,784 94,665 5,579.69 1,589 1,312 4,380 290,284.19 15,337 12,659 283,431  7,362,179.54 5,711,704 4,714,443 2,794,980  COMMON  I SURVIVOR CURVE IOWA 80-R2.5  LE RETIREMENT YEAR 12-2026  LVAGE PERCENT2  2,362,247.43 1,944,412 1,604,918 804,574 1,198.00 971 801 420 11,809.00 9,514 7,853 4,192 659.00 528 436 236 591.00 464 383 220 17,609.00 13,360 11,027 6,934 66,970.04 49,784 41,092 27,218 21,871.14 16,073 13,267 9,042 17,369.45 12,612 10,410 7,307 1,670.44 1,197 988 716 9,235.73 6,525 5,386 4,035 13,038.57 8,917 7,360 5,939 1,816.94 1,140 941 912 88,135.90 48,253 39,828 50,071 52,409.80 25,898 21,376 32,082 192,469.53 82,022 67,701 128,618	COST (2) (3) (4) (5) (6)  INIT 2  I SURVIVOR CURVE. IOWA 80-R2.5  LE RETIREMENT YEAR 12-2026  NAGE PERCENT2  6,716,416.13 5,528,414 4,563,155 2,287,589 8.80 51,668.91 38,409 31,703 20,999 8.89 11,459.63 8,321 6,868 4,821 8.90 2,391.77 1,690 1,395 1,045 8.91 15,763.48 10,370 8,559 7,519 8.93 24,606.43 12,850 10,606 14,492 8.95 51,628.38 23,887 19,716 32,945 8.95 64,489.41 27,483 22,684 43,095 8.96 127,891.52 43,354 35,784 94,665 8.96 5,579.69 1,589 1,312 4,380 8.96 127,891.52 43,354 35,784 94,665 8.96 5,579.69 1,589 1,312 4,380 8.96 290,284.19 15,337 12,659 283,431 8.97  7,362,179.54 5,711,704 4,714,443 2,794,980  COMMON 1 SURVIVOR CURVE IOWA 80-R2.5  LE RETIREMENT YEAR 12-2026  NAGE PERCENT2  2,362,247.43 1,944,412 1,604,918 804,574 8.80 1,198.00 971 801 420 8.82 11,809.00 9,514 7,853 4,192 8.83 659.00 528 436 236 8.84 591.00 464 383 220 8.86 17,609.00 13,360 11,027 6,934 8.89 66,970.04 49,784 41,092 27,218 8.89 21,871.14 16,073 13,267 9,042 8.90 17,369.45 12,612 10,410 7,307 8,90 17,369.45 12,612 10,410 7,307 8,90 17,369.45 12,612 10,410 7,307 8,90 17,369.45 12,612 10,410 7,307 8,90 17,369.45 12,612 10,410 7,307 8,90 17,369.45 12,612 10,410 7,307 8,90 11,670.44 1,197 988 716 8,91 9,235.73 6,525 5,386 4,035 8,91 13,038.57 8,917 7,360 5,939 8,92 1,816.94 1,140 941 912 8.93 88,135.90 48,253 39,828 50,071 8,95 52,409.80 25,898 21,376 32,082 8,95 192,469.53 82,022 67,701 128,618 8,96



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	COMMON M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	CAR 12-202				
2013	23,564.90	7,988	6,593	17,443	8.96	1,947
2015	79,929.47	17,730	14,634	66,894	8.96	7,466
2017	41,850.96	2,211	1,825	40,863	8.97	4,556
	3,016,751.34	2,254,346	1,860,738	1,216,348		137,453
	OHNSTON UNIT 1					
	M SURVIVOR CURVE					
	LE RETIREMENT YE		.7			
NET SA	LVAGE PERCENT	-4				
1958	1,000,176.02	885,560	750,213	289,970	9.38	30,914
1959	4,172.53	3,686	3,123	1,217	9.40	129
1964	214,695.99	187,110	158,513	64,771	9.52	6,804
1965	4,158.14	3,613	3,061	1,264	9.54	132
1966	10,447.66	9,050	7,667	3,199	9.56	335
1967	7,470.76	6,451	5,465	2,305	9.58	241
1968	35,349.41	30,429	25,778	10,985	9.59	1,145
1969	5,067.43	4,347	3,683	1,588	9.61	165
1970	3,873.54	3,311	2,805	1,224	9.63	127
1972	5,726.17	4,858	4,116	1,840	9.66	190
1973	202.58	171	145	66	9.67	7
1974	10,564.34	8,889	7,530	3,456	9.69	357
1975	333,767.54	279,656	236,914	110,204	9.70	11,361
1976	232,872.00	194,253	164,564	77,623	9.71	7,994
1977 1978	165,145.99 19,672.04	137,116 16,249	116,160 13,766	55,592 6,693	9.72 9.74	5,719 687
1978	336.14	273	231	118	9.74	12
1982	17,780.92	14,364	12,169	6,324	9.78	647
1983	7,767.47	6,236	5,283	2,795	9.79	285
1989	5,374.15	4,121	3,491	2,098	9.84	213
1990	167,216.40	127,060	107,640	66,265	9.84	6,734
1991	4,713.51	3,546	3,004	1,898	9.85	193
1992	58,469.86	43,510	36,860	23,949	9.86	2,429
1993	43,329.88	31,890	27,016	18,047	9.86	1,830
1994	77,373.78	56,240	47,644	32,824	9.87	3,326
1997	14,057.11	9,790	8,294	6,326	9.89	640
1999	31,009.38	20,859	17,671	14,579	9.90	1,473
2001	7,407.53	4,780	4,049	3,654	9.91	369



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	OHNSTON UNIT 1 M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 12-202				
2002	129,499.25	81,610	69,137	65,542	9.91	6,614
2004	9,804.85	5,839	4,947	5,250	9.92	529
2007	56,368.04	29,933	25,358	33,265	9.93	3,350
2014	22,347.59	6,010	5,091	18,150	9.95	1,824
2016	126,672.24	17,143	14,523	117,216	9.96	11,769
	2,832,890.24	2,237,953	1,895,910	1,050,296		108,544
INTERI PROBAB	OHNSTON UNIT 2 M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 12-202				
1960	393,107.00	346,346	293,411	115,420	9.43	12,240
1961	511,237.87	449,292	380,623	151,064	9.45	15,986
1964	90,656.73	79,008	66,933	27,350	9.52	2,873
1965	877.17	762	646	27,330	9.54	28
1966	1,811.11	1,569	1,329	554	9.56	58
1967	7,470.76	6,451	5,465	2,305	9.58	241
1968	2,556.37	2,201	1,865	794	9.59	83
1969	2,347.97	2,014	1,706	736	9.61	77
1970	1,490.37	1,274	1,079	471	9.63	49
1972	1,049.73	891	755	337	9.66	35
1974	10,564.33	8,889	7,530	3,456	9.69	357
1975	348,319.65	291,849	247,244	115,009	9.70	11,857
1976	239,107.00	199,454	168,970	79,701	9.71	8,208
1977	165,145.99	137,116	116,160	55,592	9.72	5,719
1978	19,672.04	16,249	13,766	6,693	9.74	687
1981	336.14	273	231	118	9.77	12
1982	17,780.92	14,364	12,169	6,324	9.78	647
1983	52,563.45	42,197	35,748	18,918	9.79	1,932
1989	5,374.15	4,121	3,491	2,098	9.84	213
1990	168,817.05	128,277	108,671	66,898	9.84	6,799
1991	4,713.51	3,546	3,004	1,898	9.85	193
1992	139,094.18	103,506	87,686	56,972	9.86	5,778
1993	6,492.90	4,779	4,049	2,704	9.86	274
1994	232,323.33	168,866	143,057	98,559	9.87	9,986
1999	31,009.38	20,859	17,671	14,579	9.90	1,473
2000	24,251.12	15,997	13,552	11,669	9.90	1,179



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERII PROBABI	OHNSTON UNIT 2 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
2001	15,311.89	9,880	8,370	7,554	9.91	762
2002	129,665.19	81,715	69,226	65,626	9.91	6,622
2004	8,771.11	5,223	4,425	4,697	9.92	473
2008	62,805.26	31,746	26,894	38,423	9.93	3,869
2014	713,175.33	191,782	162,471	579,232	9.95	58,214
2015	54,150.87	11,236	9,519	46,798	9.95	4,703
2017	29,823.72	1,483	1,256	29,760	9.96	2,988
	3,491,873.59	2,383,215	2,018,971	1,612,578		164,615
INTERII PROBAB	OHNSTON UNIT 3 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
1964	1,487,926.46	1,284,274	1,087,989	444,575	9.52	46,699
1965	877.18	755	640	264	9.54	28
1967	23,020.26	19,687	16,678	7,033	9.58	734
1968	2,556.38	2,179	1,846	787	9.59	82
1969	203.79	173	147	63	9.61	7
1970	9,765.88	8,267	7,003	3,055	9.63	317
1973	13,499.00	11,298	9,571	4,333	9.67	448
1974	1,156.15	963	816	375	9.69	39
1975	348,319.64	289,042	244,866	113,904	9.70	11,743
1980	71,531.00	57,904	49,054	24,623	9.76	2,523
1981	336.14	271	230	117	9.77	12
1982	17,780.92	14,226	12,052	6,263	9.78	640
1988	74,297.83	56,927	48,226	28,300	9.83	2,879
1989	5,374.15	4,081	3,457	2,078	9.84	211
1990	16,403.89	12,345	10,458	6,438		654
1991	4,713.51	3,512	2,975	1,880	9.85	191
1992	423,733.23	312,285	264,556	171,889	9.86	17,433
1993	6,492.89	4,733	4,010	2,678	9.86	272
1994	291,268.89	209,675	177,629	122,378	9.87	12,399
1996	276,068.33	193,404	163,845	120,506	9.88	12,197
1997	127,995.10	88,286	74,793	57,042	9.89	5,768
1999	202,218.44	134,721	114,131	94,154	9.90	9,511
2001	193,645.19	123,752	104,838	94,616	9.91	9,548
2002	142,753.24	89,098	75,480	71,555	9.91	7,220

#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	JOHNSTON UNIT 3 IM SURVIVOR CURVI BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
2004	17,124.05	10,099	8,555	9,082	9.92	916
2005	12,165.73	6,942	5,881	6,650	9.92	670
2009	150,450.59	70,977	60,129	94,835	9.94	9,541
2010	9,632,659.05	4,240,707	3,592,568	6,329,071	9.94	636,727
2011	897,077.20	363,276	307,754	616,236	9.94	61,996
2012	309,433.06	112,660	95,441	223,275	9.95	22,440
2016	11,183.54	1,499	1,270	10,249	9.96	1,029
2017	16,426.10	809	685	16,234	9.96	1,630
	14,788,456.81	7,728,827	6,547,573	8,684,538		876,504
INTERI PROBAE	JOHNSTON UNIT 4 IM SURVIVOR CURVI BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1972	3,251,521.03	2,731,901	2,314,364	1,034,702	9.66	107,112
1973	25,081.07	20,991	17,783	8,051	9.67	833
1974	2,701.87	2,252	1,908	875	9.69	90
1975	12,332.86	10,234	8,670	4,033	9.70	416
1976	3,225.09	2,664	2,257	1,065	9.71	110
1977	2,552.17	2,099	1,778	851	9.72	88
1978	35,744.75	29,241	24,772	12,045	9.74	1,237
1981	336.14	271	230	117	9.77	12
1982	17,780.93	14,226	12,052	6,263	9.78	640
1990	41,390.43	31,148	26,387	16,245	9.84	1,651
1991	150,080.70	111,812	94,723	59,860	9.85	6,077
1992 1993	74,054.03	54,577	46,236 49,624	30,040	9.86 9.86	3,047
1993	80,361.81 51,356.21	58,577 36,970	31,320	33,148 21,577	9.87	3,362 2,186
1995	889,705.73	632,039	535,440	380,957	9.88	38,558
1997	45,104.67	31,111	26,356	20,102	9.89	2,033
1998	112,144.37	76,103	64,472	51,037	9.89	5,160
1999	31,009.39	20,659	17,502	14,438	9.90	1,458
2001	25,912.13	16,559	14,028	12,661	9.91	1,278
2003	177,258.96	107,673	91,217	91,360	9.92	9,210
2005	62,784.25	35,823	30,348	34,320	9.92	3,460
2006	63,197.07	34,704	29,400	35,693	9.93	3,594
2008	269,115.29	134,719	114,129	163,060	9.93	16,421

#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	JOHNSTON UNIT 4 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
2009 2010 2012 2013 2016 2017	68,736.77 38,585.74 7,073,176.25 1,631,983.70 42,469.66 125,744.31	32,427 16,987 2,575,233 520,269 5,692 6,191 7,353,152	27,471 14,391 2,181,641 440,752 4,822 5,245	43,328 25,353 5,103,731 1,240,191 38,922 124,272	9.94 9.94 9.95 9.95 9.96 9.96	4,359 2,551 512,938 124,642 3,908 12,477
INTERI PROBAE	JOHNSTON COMMON  SURVIVOR CURV  BLE RETIREMENT Y  ALVAGE PERCENT	E IOWA 80-R EAR 12-202	2.5	8,008,290		808,908
1971 1975 1990 1991 1994 1997 2002 2003 2004 2006 2007 2008 2009 2010 2012 2013	2,912.45 75,153.49 488,866.34 43,859.86 31,258.51 4,779.95 13,710.42 35,210.32 10,681.35 93,181.12 15,034.78 66,084.76 61,855.92 25,354,091.39 38,307.41 34,138.11	2,457 62,364 367,896 32,676 22,502 3,297 8,557 21,388 6,300 51,170 7,907 33,082 29,181 11,161,951 13,947 10,883	2,081 52,832 311,668 27,682 19,063 2,793 7,249 18,119 5,337 43,349 6,699 28,026 24,721 9,455,988 11,815 9,220	918 24,576 191,865 17,494 13,133 2,130 6,873 18,148 5,665 52,627 8,787 40,041 38,991 16,658,726 27,641 25,943	9.64 9.70 9.84 9.85 9.87 9.91 9.92 9.93 9.93 9.93 9.94 9.95	95 2,534 19,498 1,776 1,331 215 694 1,829 571 5,300 885 4,032 3,923 1,675,928 2,778 2,607
2014 2015 2016 2017	436,829.27 149,742.17 647,460.57 26,987.32 27,630,145.51	116,339 30,773 86,782 1,329	98,558 26,070 73,518 1,126	351,376 128,165 593,366 26,671 18,233,135	9.95 9.95 9.96 9.96	35,314 12,881 59,575 2,678



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		( - /	( - /	( - /	( - )	( - )
	UNIT 1 M SURVIVOR CURVI		10 E			
	M SURVIVOR CURVI LE RETIREMENT Y					
	LVAGE PERCENT		14			
NEI SA.	LVAGE PERCENI	-13				
1951	642,552.25	602,276	738,935			
1953	727.51	678	837			
1955	16,561.14	15,326	19,045			
1958	5,231.67	4,791	6,016			
1959	8,580.91	7,830	9,868			
1970	15,876.87	13,816	18,258			
1971	559.08	484	643			
1973	13,301.89	11,392	15,297			
1975	10,640.66	9,004	12,237			
1976	2,531.38	2,129	2,896	15	14.31	1
1979	81,495.19	67,145	91,331	2,389	14.39	166
1980	56,644.85	46,321	63,006	2,136	14.42	148
1981	20,073.53	16,290	22,158	927	14.44	64
1982	18,694.15	15,049	20,470	1,029	14.46	71
1983	1,857.24	1,482	2,016	120	14.49	8
1985	731.03	573	779	61	14.53	4
1986	23,189.75	17,988	24,467	2,201	14.55	151
1994	259,363.75	181,270	246,563	51,705	14.69	3,520
1995	34,192.18	23,498	31,962	7,359	14.70	501
1996	36,533.30	24,653	33,533	8,480	14.71	576
1999	32,692.05	20,679	28,128	9,468	14.75	642
2004	44,528.59	24,170	32,876	18,332	14.80	1,239
2009	49,370.72	20,450	27,816	28,960	14.85	1,950
2012	18,692.15	5,742	7,810	13,686	14.87	920
	1,394,621.84	1,133,036	1,456,947	146,868		9,961
CADSRV	UNIT 2					
	M SURVIVOR CURV	E TOWA 80-R	2 5			
	LE RETIREMENT Y					
	LVAGE PERCENT					
1111 011	nvion intenti	13				
1952	853,448.92	797,451	981,466			
1957	2,696.66	2,478	3,101			
1958	5,059.04	4,633	5,818			
1959	5,240.55	4,782	6,027			
1964	14,298.39	12,794	16,443			
1969	1,756.89	1,537	2,020			
1970	2,568.19	2,235	2,953			



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
( 1 )	( 2 )	(3)	( 4 )	(3)	(0)	( / )
	UNIT 2					
	M SURVIVOR CURV					
	LE RETIREMENT Y		32			
NET SA	LVAGE PERCENT	-15				
1974	2,707.01	2,304	3,113			
1976	1,223.94	1,029	1,408			
1978	4,570.50	3,793	5,256			
1979	69,023.60	56,870	79,377			
1980	19,415.02	15,876	22,327			
1981	7,379.01	5,988	8,486			
1983	2,360.38	1,883	2,672	42	14.49	3
1994	311,382.11	217,625	308,812	49,277	14.69	3,354
2004	43,346.23	23,528	33,386	16,462	14.80	1,112
2010	28,414.15		15,408	17,269	14.85	1,163
2012	18,686.55	5,740	8,145	13,344	14.87	897
2017	13,147.15	481	683	14,437	14.90	969
	1,406,724.29	1,171,885	1,506,902	110,831		7,498
GADSBY	UNIT 3					
	M SURVIVOR CURV					
	LE RETIREMENT Y		32			
NET SA	LVAGE PERCENT	-14				
1955	758,665.01	695,959	864,878			
1956	552.56	505	630			
1957	1,226.81	1,118	1,399			
1958	10,338.80	9,386	11,786			
1959	7,670.62	6,939	8,745			
1973	14,070.97	11,946	15,747	294	14.21	21
1976	1,710.30	1,426	1,880	70	14.31	5
1977	2,119.93	1,756	2,315	102	14.34	7
1978	2,019.47	1,661	2,189	113		8
1979	97,695.81	79,793	105,180	6,194	14.39	430
1980	61,150.32	49,570	65,341	4,370	14.42	303
1981	8,644.22	6,954	9,166	688	14.44	48
1983	2,772.47	2,193	2,891	270	14.49	19
1990	26,856.68	19,731	26,009	4,608	14.62	315
1992	465,011.73	332,317	438,045	92,068	14.66	6,280
1993	63,096.93	44,437	58,575	13,356	14.67	910
1994	8,012.64	5,551	7,317	1,817	14.69	124
1996	172,160.80	115,167	151,808	44,455	14.71	3,022
1998	14,775.70	9,483	12,500	4,344	14.74	295

#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CYDCDV	UNIT 3					
	M SURVIVOR CURV	F TOWA 80-R	2 5			
	LE RETIREMENT Y					
	LVAGE PERCENT		_			
2011	719,406.31	247,152	325,785	494,339	14.86	33,266
2012	18,686.56	5,691	7,502	13,801	14.87	928
2014	55,891.40	12,021	15,846	47,871	14.88	3,217
	2,512,536.04	1,660,756	2,135,531	728,760		49,198
	COMMON					
	M SURVIVOR CURV					
	LE RETIREMENT Y		32			
NET SA	LVAGE PERCENT	-14				
1055	66 550 06	61 050	FF 0F0			
1955	66,552.86	61,052	75,870	100	12 04	7
1966	13,667.18	12,019	15,477	103	13.94	7
1971 1979	17,767.62 31,338.48	15,251 25,596	19,639 32,961	616 2,765	14.14 14.39	44 192
1980	83,804.89	67,935	87,483	8,055	14.42	559
1987	15,648.06	11,906	15,332	2,507	14.57	172
1991	18,942.75	13,732	17,683	3,911	14.64	267
1992	64,122.22	45,825	59,011	14,089	14.66	961
1994	231,443.82	160,350	206,489	57,357	14.69	3,904
1996	298,956.48	199,988	257,533	83,278	14.71	5,661
1997	5,161.24	3,383	4,356	1,527	14.73	104
1998	76,315.69	48,981	63,075	23,925	14.74	1,623
1999	60,742.03	38,087	49,046	20,200	14.75	1,369
2004	53,077.44	28,559	36,777	23,732	14.80	1,604
2005	49,447.58	25,530	32,876	23,494	14.81	1,586
2008	4,045.47	1,781	2,293	2,318	14.84	156
2009	30,492.31	12,521	16,124	18,637	14.85	1,255
2010	1,619,644.26	613,520	790,055	1,056,340	14.85	71,134
2012	21,215.00	6,461	8,320	15,865	14.87	1,067
2013	200,527.26	52,654	67,805	160,796	14.87	10,813
2014	145,504.80	31,294	40,299	125,577	14.88	8,439
	3,108,417.44	1,476,425	1,898,504	1,645,092		110,917



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	UNIT 1 M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 12-203				
1965	644,869.15	524,687	521,549	136,218	12.19	11,175
1980	2,900.00	2,187	2,174	784	12.57	62
1982	92,511.00	68,750	68,339	26,022	12.61	2,064
1983	11,550.00	8,520	8,469	3,312	12.62	262
1985	1,223.00	887	882	366	12.66	29
1987	1,213.00	864	859	378	12.69	30
1990	11,263.00	7,766	7,720	3,769	12.73	296
1991	16,419.00	11,188	11,121	5,626	12.74	442
1993	66,599.34	44,203	43,939	23,993	12.76	1,880
1997	6,724.88	4,181	4,156	2,703	12.80	211
1998	90,365.69	55,090	54,760	37,413	12.81	2,921
1999	9,621.63	5,741	5,707	4,107	12.82	320
2009	35,321.85	14,194	14,109	21,919	12.89	1,700
2012	15,007.93	4,541	4,514	10,794	12.90	837
2014	9,051.86	1,956	1,944	7,289	12.91	565
2017	11,325.15	422	419	11,132	12.93	861
	1,025,966.48	755,177	750,660	295,826		23,655
HAYDEN	UNIT 2					
INTERI	M SURVIVOR CURVE	E IOWA 80-R	2.5			
PROBAB:	LE RETIREMENT Y	EAR 12-203	0			
	LVAGE PERCENT					
1976	1,171,578.18	905,698	900,281	294,729	12.49	23,597
1979	231.00	175	174	62	12.55	5
1982	82,416.00	61,248	60,882	23,183	12.61	1,838
1987	624.00	444	441	195	12.69	15
1989	3,153.00	2,199	2,186	1,030	12.71	81
1991	2,252.00	1,535	1,526	771	12.74	61
1993	35,354.20	23,465	23,325	12,737	12.76	998
1999	11,596.55	6,919	6,878	4,951	12.82	386
2008	11,163.76	4,792	4,763	6,624	12.88	514
2009	5,853.98	2,352	2,338	3,633	12.89	282
2010	7,239.94	2,693	2,677	4,708	12.89	365
2017	438.14	16	16	431	12.93	33
	1,331,900.75	1,011,536	1,005,486	353,053		28,175

#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTERI PROBAE	N COMMON IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1965 1976 1982 1986 1988 1989 1990 1991 1993 1999	86,911.29 55,294.34 19,110.00 451.00 716.00 430.00 31,806.00 2,988.00 8,057.65 310.70	70,714 42,746 14,202 324 505 300 21,931 2,036 5,348 185	70,291 42,490 14,117 322 502 298 21,800 2,024 5,316 184	18,359 13,910 5,375 138 228 140 10,642 1,024 2,903	12.19 12.49 12.61 12.67 12.70 12.71 12.73 12.74 12.76	1,506 1,114 426 11 18 11 836 80 228
	206,074.98	158,291	157,344	52,852		4,240
INTERI PROBAE	R UNIT 1 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
INTERI PROBAE	IM SURVIVOR CURV BLE RETIREMENT Y	EAR 12-204		11,894,365 26,829 88,027 29,278 35,346 165,753 55,496 65,567 59,720 45,735 16,239 16,128 1,348,290 50,038 11,484 6,860,017	22.97 23.42 23.61 23.72 24.10 24.25 24.35 24.38 24.44 24.46 24.49 24.51 24.54 24.60	517,822 1,146 3,728 1,234 1,467 6,835 2,282 2,693 2,450 1,871 664 659 55,010 2,039 468 278,862



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	R UNIT 2 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
1980 1986 1987 1989 1991 1995 1997 2002 2004 2005 2006 2007 2008 2009 2011 2013 2015 2017	14,028,298.01 9,000.88 15,908.83 6,270.72 30,006.59 16,349.18 133,769.13 78,047.53 51,301.78 78,646.38 208,020.31 35,460.64 117,481.91 53,604.53 1,317,275.26 68,690.28 395,290.61 62,442.98	9,024,330 5,371 9,356 3,574 16,512 8,277 64,396 31,883 19,202 27,989 69,964 11,188 34,548 14,506 289,748 11,181 38,282 1,302	7,970,182 4,744 8,263 3,157 14,583 7,310 56,874 28,159 16,959 24,720 61,791 9,881 30,512 12,812 255,902 9,875 33,810 1,150	7,040,097 4,887 8,759 3,553 17,524 10,183 86,259 55,352 37,934 59,432 160,790 28,062 95,193 44,545 1,153,583 63,624 389,151 65,664	23.13 23.55 23.61 23.72 23.83 24.02 24.10 24.29 24.35 24.38 24.41 24.44 24.46 24.49 24.54 24.58 24.62	304,371 208 371 150 735 424 3,579 2,279 1,558 2,438 6,587 1,148 3,892 1,819 47,008 2,588 15,806 2,663
UITNITTETE	16,705,865.55	9,681,609	8,550,683	9,324,593		397,624
INTERI PROBAE	M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
1983 1986 2002 2005 2007 2008 2009 2010 2012	50,899,664.72 54,910.49 201,814.72 20,209.09 344,282.66 7,133.08 236,718.52 119,448.65 1,270,347.22	31,615,019 32,765 82,442 7,192 108,621 2,098 64,057 29,423 244,248	27,922,011 28,938 72,812 6,352 95,933 1,853 56,574 25,986 215,717	26,540,630 29,817 143,130 15,272 272,450 5,779 196,714 101,824 1,143,555	23.35 23.55 24.29 24.38 24.44 24.46 24.49 24.51	1,136,644 1,266 5,893 626 11,148 236 8,032 4,154 46,562



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

HUNTER UNIT 3 INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT7  2014	YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
2016 1,008,010.37 60,724 53,631 1,024,940 24.64 41,597 2017 263,290.31 5,488 4,847 276,874 24.66 11,228  54,654,006.81 32,281,954 28,511,040 29,968,747 1,276,238  HUNTER UNITS 1 AND 2 COMMON INTERIM SURVIVOR CURVE 10WA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1979 655.74 422 373 322 23.05 14 1980 32,695.59 20,836 18,402 16,255 23.13 703 1981 840.32 529 467 424 23.21 18 1983 17,908.89 11,020 9,733 9,251 23.35 396 2017 49,712.83 1,027 907 51,789 24.66 2,100  101,813.37 33,834 29,882 78,040 3,231  HUNTER UNITS 1, 2 AND 3 COMMON INTERIM SURVIVOR CURVE 10WA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987 2,054.67 1,197 1,057 1,121 23.61 47 1991 29,361.80 16,006 14,136 16,987 23.83 713 1992 25,294.60 13,528 11,948 14,864 23.88 622 1994 47,110.05 24,173 21,349 28,587 23.97 1,193 1996 48,453.87 23,715 20,945 30,416 24.06 1,264 1997 24,207.94 11,545 10,196 15,464 24.10 642 2000 61,754.08 26,903 23,760 41,699 24.22 1,722 2002 45,887.66 18,570 16,401 32,240 24.29 1,327 2003 21,809.04 8,469 7,480 15,638 24.32 643 2004 344,140.27 127,603 112,698 252,091 24,35 10,353 2005 124,600.41 43,929 38,798 93,279 24,38 3,826 2006 212,676.30 70,862 62,585 162,852 24.41 6,672 2007 130,468.38 40,778 36,015 102,282 24.44 4,185 2008 84,654.91 24,662 21,781 67,953 24.466 2,778	INTER:	IM SURVIVOR CURV BLE RETIREMENT Y	EAR 12-204				
HUNTER UNITS 1 AND 2 COMMON INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1979 655.74 422 373 322 23.05 14 1980 32,695.59 20,836 18,402 16,255 23.13 703 1981 840.32 529 467 424 23.21 18 1983 17,908.89 11,020 9,733 9,251 23.35 396 2017 49,712.83 1,027 907 51,789 24.66 2,100  101,813.37 33,834 29,882 78,040 3,231  HUNTER UNITS 1, 2 AND 3 COMMON INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987 2,054.67 1,197 1,057 1,121 23.61 47 1991 29,361.80 16,006 14,136 16,987 23.83 713 1992 25,294.60 13,528 11,948 14,864 23.88 622 1994 47,110.05 24,173 21,349 28,587 23.97 1,193 1996 48,453.87 23,715 20,945 30,416 24.06 1,264 1997 24,207.94 11,545 10,196 15,464 24.10 642 2000 61,754.08 26,903 23,760 41,699 24.22 1,722 2002 45,887.66 18,570 16,401 32,240 24.29 1,327 2003 21,809.04 8,469 7,480 15,638 24.32 643 2004 344,140.27 127,603 112,698 252,091 24.35 10,353 2005 124,600.41 43,929 38,798 93,279 24.38 3,826 2006 212,676.30 70,862 62,585 162,852 24.41 6,672 2007 130,468.38 40,778 36,015 102,282 24.44 4,185 2008 84,654.91 24,662 21,781 67,953 24.466 2,778	2016	1,008,010.37	60,724	53,631	1,024,940	24.64	41,597
INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1979 655.74 422 373 322 23.05 14 1980 32,695.59 20,836 18,402 16,255 23.13 703 1981 840.32 529 467 424 23.21 18 1983 17,908.89 11,020 9,733 9,251 23.35 396 2017 49,712.83 1,027 907 51,789 24.66 2,100  101,813.37 33,834 29,882 78,040 3,231  HUNTER UNITS 1, 2 AND 3 COMMON INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987 2,054.67 1,197 1,057 1,121 23.61 47 1991 29,361.80 16,006 14,136 16,987 23.83 713 1992 25,294.60 13,528 11,948 14,864 23.88 622 1994 47,110.05 24,173 21,349 28,587 23,97 1,193 1996 48,453.87 23,715 20,945 30,416 24.06 1,264 1997 24,207.94 11,545 10,196 15,464 24.10 642 2000 61,754.08 26,903 23,760 41,699 24.22 1,722 2002 45,887.66 18,570 16,401 32,240 24.29 1,327 2003 21,809.04 8,469 7,480 15,638 24.32 643 2004 344,140.27 127,603 112,698 252,091 24.35 10,353 2005 124,600.41 43,929 38,798 93,279 24.38 3,826 2006 212,676.30 70,862 62,585 162,852 24.41 6,672 2007 130,468.38 40,778 36,015 102,282 24.44 4,185 2008 84,654.91 24,662 21,781 67,953 24.46 2,778		54,654,006.81	32,281,954	28,511,040	29,968,747		1,276,238
1980 32,695.59 20,836 18,402 16,255 23.13 703 1981 840.32 529 467 424 23.21 18 1983 17,908.89 11,020 9,733 9,251 23.35 396 2017 49,712.83 1,027 907 51,789 24.66 2,100  101,813.37 33,834 29,882 78,040 3,231  HUNTER UNITS 1, 2 AND 3 COMMON INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987 2,054.67 1,197 1,057 1,121 23.61 47 1991 29,361.80 16,006 14,136 16,987 23.83 713 1992 25,294.60 13,528 11,948 14,864 23.88 622 1994 47,110.05 24,173 21,349 28,587 23.97 1,193 1996 48,453.87 23,715 20,945 30,416 24.06 1,264 1997 24,207.94 11,545 10,196 15,464 24.10 642 2000 61,754.08 26,903 23,760 41,699 24.22 1,722 2002 45,887.66 18,570 16,401 32,240 24,29 1,327 2003 21,809.04 8,469 7,480 15,638 24.32 643 2004 344,140.27 127,603 112,698 252,091 24.35 10,353 2005 124,600.41 43,929 38,798 93,279 24.38 3,826 2006 212,676.30 70,862 62,585 162,852 24.41 6,672 2007 130,468.38 40,778 36,015 102,282 24.44 4,185 2008 84,654.91 24,662 21,781 67,953 24.46 2,778	INTER:	IM SURVIVOR CURV BLE RETIREMENT Y	E IOWA 80-F EAR 12-204				
1980 32,695.59 20,836 18,402 16,255 23.13 703 1981 840.32 529 467 424 23.21 18 1983 17,908.89 11,020 9,733 9,251 23.35 396 2017 49,712.83 1,027 907 51,789 24.66 2,100  101,813.37 33,834 29,882 78,040 3,231  HUNTER UNITS 1, 2 AND 3 COMMON INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987 2,054.67 1,197 1,057 1,121 23.61 47 1991 29,361.80 16,006 14,136 16,987 23.83 713 1992 25,294.60 13,528 11,948 14,864 23.88 622 1994 47,110.05 24,173 21,349 28,587 23.97 1,193 1996 48,453.87 23,715 20,945 30,416 24.06 1,264 1997 24,207.94 11,545 10,196 15,464 24.10 642 2000 61,754.08 26,903 23,760 41,699 24.22 1,722 2002 45,887.66 18,570 16,401 32,240 24,29 1,327 2003 21,809.04 8,469 7,480 15,638 24.32 643 2004 344,140.27 127,603 112,698 252,091 24.35 10,353 2005 124,600.41 43,929 38,798 93,279 24.38 3,826 2006 212,676.30 70,862 62,585 162,852 24.41 6,672 2007 130,468.38 40,778 36,015 102,282 24.44 4,185 2008 84,654.91 24,662 21,781 67,953 24.46 2,778	1979	655.74	422	373	322	23.05	14
1983 17,908.89 11,020 9,733 9,251 23.35 396 2017 49,712.83 1,027 907 51,789 24.66 2,100  101,813.37 33,834 29,882 78,040 3,231  HUNTER UNITS 1, 2 AND 3 COMMON INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987 2,054.67 1,197 1,057 1,121 23.61 47 1991 29,361.80 16,006 14,136 16,987 23.83 713 1992 25,294.60 13,528 11,948 14,864 23.88 622 1994 47,110.05 24,173 21,349 28,587 23.97 1,193 1996 48,453.87 23,715 20,945 30,416 24.06 1,264 1997 24,207.94 11,545 10,196 15,464 24.10 642 2000 61,754.08 26,903 23,760 41,699 24.22 1,722 2002 45,887.66 18,570 16,401 32,240 24.29 1,327 2003 21,809.04 8,469 7,480 15,638 24.32 643 2004 344,140.27 127,603 112,698 252,091 24.35 10,353 2005 124,600.41 43,929 38,798 93,279 24.38 3,826 2006 212,676.30 70,862 62,585 162,852 24.41 6,672 2007 130,468.38 40,778 36,015 102,282 24.44 4,185 2008 84,654.91 24,662 21,781 67,953 24.46 2.778			20,836	18,402	16,255		703
2017 49,712.83 1,027 907 51,789 24.66 2,100  101,813.37 33,834 29,882 78,040 3,231  HUNTER UNITS 1, 2 AND 3 COMMON INTERIM SURVIVOR CURVE 10WA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987 2,054.67 1,197 1,057 1,121 23.61 47 1991 29,361.80 16,006 14,136 16,987 23.83 713 1992 25,294.60 13,528 11,948 14,864 23.88 622 1994 47,110.05 24,173 21,349 28,587 23.97 1,193 1996 48,453.87 23,715 20,945 30,416 24.06 1,264 1997 24,207.94 11,545 10,196 15,464 24.10 642 2000 61,754.08 26,903 23,760 41,699 24.22 1,722 2002 45,887.66 18,570 16,401 32,240 24.29 1,327 2003 21,809.04 8,469 7,480 15,638 24.32 643 2004 344,140.27 127,603 112,698 252,091 24.35 10,353 2005 124,600.41 43,929 38,798 93,279 24.38 3,826 2006 212,676.30 70,862 62,585 162,852 24.41 6,672 2007 130,468.38 40,778 36,015 102,282 24.44 4,185 2008 84,654.91 24,662 21,781 67,953 24.46 2.778	1981		529				18
HUNTER UNITS 1, 2 AND 3 COMMON INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987							
HUNTER UNITS 1, 2 AND 3 COMMON INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987	2017	49,712.83	1,027	907	51,789	24.66	2,100
INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2042 NET SALVAGE PERCENT6  1987		101,813.37	33,834	29,882	78,040		3,231
1991       29,361.80       16,006       14,136       16,987       23.83       713         1992       25,294.60       13,528       11,948       14,864       23.88       622         1994       47,110.05       24,173       21,349       28,587       23.97       1,193         1996       48,453.87       23,715       20,945       30,416       24.06       1,264         1997       24,207.94       11,545       10,196       15,464       24.10       642         2000       61,754.08       26,903       23,760       41,699       24.22       1,722         2002       45,887.66       18,570       16,401       32,240       24.29       1,327         2003       21,809.04       8,469       7,480       15,638       24.32       643         2004       344,140.27       127,603       112,698       252,091       24.35       10,353         2005       124,600.41       43,929       38,798       93,279       24.38       3,826         2007       130,468.38       40,778       36,015       102,282       24.44       4,185         2008       84,654.91       24,662       21,781       67,953       24.46	INTER:	IM SURVIVOR CURV BLE RETIREMENT Y	E IOWA 80-F EAR 12-204				
1992       25,294.60       13,528       11,948       14,864       23.88       622         1994       47,110.05       24,173       21,349       28,587       23.97       1,193         1996       48,453.87       23,715       20,945       30,416       24.06       1,264         1997       24,207.94       11,545       10,196       15,464       24.10       642         2000       61,754.08       26,903       23,760       41,699       24.22       1,722         2002       45,887.66       18,570       16,401       32,240       24.29       1,327         2003       21,809.04       8,469       7,480       15,638       24.32       643         2004       344,140.27       127,603       112,698       252,091       24.35       10,353         2005       124,600.41       43,929       38,798       93,279       24.38       3,826         2006       212,676.30       70,862       62,585       162,852       24.41       6,672         2007       130,468.38       40,778       36,015       102,282       24.44       4,185         2008       84,654.91       24,662       21,781       67,953       24.46	1987	2,054.67	1,197	1,057	1,121	23.61	47
1994     47,110.05     24,173     21,349     28,587     23.97     1,193       1996     48,453.87     23,715     20,945     30,416     24.06     1,264       1997     24,207.94     11,545     10,196     15,464     24.10     642       2000     61,754.08     26,903     23,760     41,699     24.22     1,722       2002     45,887.66     18,570     16,401     32,240     24.29     1,327       2003     21,809.04     8,469     7,480     15,638     24.32     643       2004     344,140.27     127,603     112,698     252,091     24.35     10,353       2005     124,600.41     43,929     38,798     93,279     24.38     3,826       2006     212,676.30     70,862     62,585     162,852     24.41     6,672       2007     130,468.38     40,778     36,015     102,282     24.44     4,185       2008     84,654.91     24,662     21,781     67,953     24.46     2,778					·		
1996     48,453.87     23,715     20,945     30,416     24.06     1,264       1997     24,207.94     11,545     10,196     15,464     24.10     642       2000     61,754.08     26,903     23,760     41,699     24.22     1,722       2002     45,887.66     18,570     16,401     32,240     24.29     1,327       2003     21,809.04     8,469     7,480     15,638     24.32     643       2004     344,140.27     127,603     112,698     252,091     24.35     10,353       2005     124,600.41     43,929     38,798     93,279     24.38     3,826       2006     212,676.30     70,862     62,585     162,852     24.41     6,672       2007     130,468.38     40,778     36,015     102,282     24.44     4,185       2008     84,654.91     24,662     21,781     67,953     24.46     2,778				•			
1997     24,207.94     11,545     10,196     15,464     24.10     642       2000     61,754.08     26,903     23,760     41,699     24.22     1,722       2002     45,887.66     18,570     16,401     32,240     24.29     1,327       2003     21,809.04     8,469     7,480     15,638     24.32     643       2004     344,140.27     127,603     112,698     252,091     24.35     10,353       2005     124,600.41     43,929     38,798     93,279     24.38     3,826       2006     212,676.30     70,862     62,585     162,852     24.41     6,672       2007     130,468.38     40,778     36,015     102,282     24.44     4,185       2008     84,654.91     24,662     21,781     67,953     24.46     2,778							
2000       61,754.08       26,903       23,760       41,699       24.22       1,722         2002       45,887.66       18,570       16,401       32,240       24.29       1,327         2003       21,809.04       8,469       7,480       15,638       24.32       643         2004       344,140.27       127,603       112,698       252,091       24.35       10,353         2005       124,600.41       43,929       38,798       93,279       24.38       3,826         2006       212,676.30       70,862       62,585       162,852       24.41       6,672         2007       130,468.38       40,778       36,015       102,282       24.44       4,185         2008       84,654.91       24,662       21,781       67,953       24.46       2,778							
2002     45,887.66     18,570     16,401     32,240     24.29     1,327       2003     21,809.04     8,469     7,480     15,638     24.32     643       2004     344,140.27     127,603     112,698     252,091     24.35     10,353       2005     124,600.41     43,929     38,798     93,279     24.38     3,826       2006     212,676.30     70,862     62,585     162,852     24.41     6,672       2007     130,468.38     40,778     36,015     102,282     24.44     4,185       2008     84,654.91     24,662     21,781     67,953     24.46     2,778							
2003       21,809.04       8,469       7,480       15,638       24.32       643         2004       344,140.27       127,603       112,698       252,091       24.35       10,353         2005       124,600.41       43,929       38,798       93,279       24.38       3,826         2006       212,676.30       70,862       62,585       162,852       24.41       6,672         2007       130,468.38       40,778       36,015       102,282       24.44       4,185         2008       84,654.91       24,662       21,781       67,953       24.46       2,778					·		
2004     344,140.27     127,603     112,698     252,091     24.35     10,353       2005     124,600.41     43,929     38,798     93,279     24.38     3,826       2006     212,676.30     70,862     62,585     162,852     24.41     6,672       2007     130,468.38     40,778     36,015     102,282     24.44     4,185       2008     84,654.91     24,662     21,781     67,953     24.46     2,778							
2005       124,600.41       43,929       38,798       93,279       24.38       3,826         2006       212,676.30       70,862       62,585       162,852       24.41       6,672         2007       130,468.38       40,778       36,015       102,282       24.44       4,185         2008       84,654.91       24,662       21,781       67,953       24.46       2,778							
2006       212,676.30       70,862       62,585       162,852       24.41       6,672         2007       130,468.38       40,778       36,015       102,282       24.44       4,185         2008       84,654.91       24,662       21,781       67,953       24.46       2,778							
2007       130,468.38       40,778       36,015       102,282       24.44       4,185         2008       84,654.91       24,662       21,781       67,953       24.46       2,778							
2008 84,654.91 24,662 21,781 67,953 24.46 2,778							



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R UNITS 1, 2 AND					
	M SURVIVOR CURV					
	BLE RETIREMENT Y		2			
NET SA	ALVAGE PERCENT	-6				
2010	96,701.49	23,597	20,841	81,663	24.51	3,332
2010	30,625.37	6,673	5,894	26,569	24.54	1,083
2012	20,482.81	3,901	3,445	18,266	24.56	744
2014	72,763.05	9,438	8,336	68,793	24.60	2,796
2017	133,041.10	2,747	2,426	138,597		5,620
	,	,	•	,		•
	1,620,033.99	515,438	455,229	1,262,007		51,712
HUNTIN	IGTON UNIT 1					
INTERI	M SURVIVOR CURV	E IOWA 80-R	2.5			
PROBAE	BLE RETIREMENT Y	EAR 12-203	6			
NET SA	ALVAGE PERCENT	-7				
1977	15,192,522.61	11,036,848	9,917,399	6,338,601	17.87	354,706
1980	73,839.23	52,281	46,978	32,030	18.01	1,778
1981	2,711.80	1,903	1,710	1,192	18.05	66
1983	24,177.17	16,628	14,941	10,928	18.13	603
1986	45,381.20 193,510.13	30,192 127,130	27,130	21,428	18.23	1,175
1987 1989	49,273.59	31,525	114,235 28,327	92,820 24,395	18.27 18.33	5,080 1,331
1990	80,411.96	50,700	45,558	40,483	18.36	2,205
1991	17,317.35	10,756	9,665	8,865	18.38	482
1994	130,862.50	77,162	69,336	70,687	18.46	3,829
1996	44,089.27	24,951	22,420	24,755	18.51	1,337
1997	106,200.36	58,772	52,811	60,824	18.53	3,282
2001	193,148.89	95,702	85,995	120,674	18.61	6,484
2002	42,879.04	20,539	18,456	27,425	18.63	1,472
2004	207,475.58	91,894	82,573	139,426	18.66	7,472
2005	634,020.98	268,152	240,954	437,449	18.68	23,418
2006	134,627.32	54,127	48,637	95,414	18.69	5,105
2008	127,373.94	45,267	40,676	95,614	18.72	5,108
2009	100,234.06	33,003	29,656	77,595	18.74	4,141
2010	815,584.54	245,990	221,040	651,636	18.75	34,754
2011	947,957.64	257,717	231,577	782,737	18.76	41,724
2013	11,331.45	2,314	2,079	10,045	18.78	535
2014	858,724.94	142,539	128,082	790,754	18.79	42,084
	20,033,655.55	12,776,092	11,480,234	9,955,777		548,171



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

WEAD.	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR (1)	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL (7)
( 1 )	( 2 )	(3)	(4)	(3)	(0)	( / )
HUNTI	NGTON UNIT 2					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y		6			
NET SA	ALVAGE PERCENT	-'/				
1974	7,647,657.29	5,682,925	5,106,515	3,076,478	17.72	173,616
1979	5,971.89	4,266	3,833	2,557	17.97	142
1980	70,549.73	49,952	44,885	30,603	18.01	1,699
1982	33,454.01	23,244	20,886	14,909	18.09	824
1984	6,937.47	4,722	4,243	3,180	18.16	175
1987	343,819.95	225,879	202,968	164,919	18.27	9,027
1988	166,691.02	108,105	97,140	81,219	18.30	4,438
1989	29,454.22	18,845	16,934	14,582	18.33	796
1990	215,289.01	135,741	121,973	108,386	18.36	5,903
1991	22,582.62	14,026	12,603	11,560	18.38	629
1992	25,356.39	15,494	13,922	13,209	18.41	717
1993	180,676.62	108,486	97,482	95,842	18.44	5,198
1994	109,613.66 86,996.14	64,633 48,144	58,077	59,209 49,825	18.46 18.53	3,207
1997 2003	742,168.42	342,313	43,261 307,593	486,527	18.65	2,689 26,087
2003	140,457.62	62,211	55,901	94,389	18.66	5,058
2004	12,712,858.56	5,111,237	4,592,813	9,009,946	18.69	482,073
2007	102,411.62	38,858	34,917	74,664	18.71	3,991
2008	131,062.78	46,578	41,854	98,384	18.72	5,256
2009	95,492.02	31,442	28,253	73,924	18.74	3,945
2010	642,560.39	193,804	174,147	513,393	18.75	27,381
2011	48,449.80	13,172	11,836	40,005	18.76	2,132
2013	60,660.21	12,389	11,132	53,774	18.78	2,863
2014	135,870.43	22,553	20,265	125,116	18.79	6,659
2017	23,210.08	643	578	24,257	18.82	1,289
	23,780,251.95	12,379,662	11,124,013	14,320,857		775,794
ншитти	NGTON COMMON					
	IM SURVIVOR CURV	E IOWA 80-R	2.5			
	BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-6				
1974	30,039.55	22,114	19,871	11,971	17.72	676
1981	2,485.86	1,728	1,553	1,082	18.05	60
1982	20,176.52	13,888	12,479	8,908	18.09	492
1984	34,309.06	23,135	20,788	15,579	18.16	858
1985	20,512.65	13,677	12,290	9,454	18.20	519
1987	3,692.71	2,403	2,159	1,755	18.27	96

### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	GTON COMMON M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1989 1990 1992 1994 1997 1998 1999 2002 2004 2005 2010 2011 2012 2015 2016 2017	6,306.36 43,932.64 97,966.54 217,831.77 16,433.40 2,104.07 151,700.73 102,785.09 72,678.25 55,266.77 35,450.14 1,906,573.35 483,866.53 149,160.23 203,691.49 111,667.73 72,474.94	3,997 27,441 59,301 127,243 9,009 1,126 79,059 48,775 31,890 23,156 14,120 569,670 130,317 35,375 25,074 8,634 1,988	3,592 24,658 53,286 114,337 8,095 1,012 71,040 43,828 28,655 20,807 12,688 511,889 117,099 31,787 22,531 7,758 1,786	3,093 21,911 50,558 116,565 9,324 1,219 89,763 65,124 48,384 37,775 24,889 1,509,079 395,799 126,323 193,382 110,610 75,037	18.33 18.36 18.41 18.46 18.53 18.55 18.63 18.66 18.68 18.69 18.75 18.77 18.80 18.81 18.82	169 1,193 2,746 6,314 503 66 4,834 3,496 2,593 2,022 1,332 80,484 21,098 6,730 10,286 5,880 3,987
INTERI PROBAB	3,841,106.38  IDGER UNIT 1 M SURVIVOR CURVI	EAR 12-202		2,927,584		156,434
NET SA 1974 1977 1978 1979 1990 1994 1995 1997 2005 2006 2007	9,407,433.91 649.00 6,105.00 4,140.00 5,941.47 4,847.04 4,730.35 15,961.16 31,359.27 362,283.95 44,629.28 647,882.42	7,846,336 533 4,990 3,365 4,438 3,454 3,323 10,867 17,449 193,790 22,802 274,852	6,945,530 472 4,417 2,979 3,928 3,057 2,941 9,619 15,446 171,542 20,184 243,297	2,932,276 210 1,993 1,368 2,310 2,032 2,025 7,140 17,481 208,856 26,677 436,979	10.61 10.66 10.68 10.69 10.81 10.84 10.85 10.86 10.91 10.91	276,369 20 187 128 214 187 657 1,602 19,144 2,443 39,980



### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	RIDGER UNIT 1 IM SURVIVOR CURVI BLE RETIREMENT YI ALVAGE PERCENT	EAR 12-202				
2011	52,970.48	20,601	18,236	37,383	10.93	3,420
2014	203,686.58	51,500	45,587	168,283	10.94	15,382
2017	38,835.65	1,781	1,577	39,201	10.95	3,580
	10,831,455.56	8,460,081	7,488,813	3,884,215		363,500
INTERI PROBAE	RIDGER UNIT 2 IM SURVIVOR CURVI BLE RETIREMENT YI ALVAGE PERCENT	EAR 12-203				
1975	8,046,638.14	6,276,386	5,555,819	2,973,617	14.28	208,236
1977	648.00	499	442	245	14.34	17
1978	6,105.00	4,670	4,134	2,337	14.36	163
1979	4,140.00	3,144	2,783	1,605	14.39	112
1980	204.00	154	136	80	14.42	6
1982	5,502.00	4,082	3,613	2,219	14.46	153
1984	311.00	227	201	129	14.51	9
1989	14,661.00	10,137	8,973	6,567	14.61	449
1990	32,698.74	22,337	19,773	14,888	14.62	1,018
1994	4,847.04	3,122	2,764	2,374	14.69	162
1995	4,730.36	2,996	2,652	2,362	14.70	161
2005	331,136.88	158,970	140,719	210,286	14.81	14,199
2006	45,231.87	20,732	18,352	29,594	14.82	1,997
2007	9,830.23	4,276	3,785	6,635	14.83	447
2009	157,254.21	60,040	53,147	113,542	14.85	7,646
2010	46,015.81	16,208	14,347	34,430	14.85	2,319
2011	50,107.55	16,006	14,168	38,946	14.86	2,621
2013	58,087.48	14,182	12,554	49,019	14.87	3,297
2014	122,815.01	24,560	21,740	108,444	14.88	7,288
2017	242,891.90	8,198	7,257	250,209	14.90	16,793
	9,183,856.22	6,650,926	5,887,360	3,847,528		267,093



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
JIM BR	IDGER UNIT 3					
INTERI	M SURVIVOR CURV	E IOWA 80-R	12.5			
PROBAB	LE RETIREMENT Y	EAR 12-203	37			
NET SA	LVAGE PERCENT	-б				
1976	6,468,964.08	4,618,944	4,088,662	2,768,440	18.68	148,203
1977	648.00	459	406	281	18.74	15
1978	6,105.00	4,287	3,795	2,676	18.79	142
1979	4,140.00	2,881	2,550	1,838	18.84	98
1980	204.00	141	125	91	18.89	5
1990	5,941.46	3,635	3,218	3,080	19.28	160
1994	4,847.04	2,767	2,449	2,689	19.39	139
1995	4,730.37	2,646	2,342	2,672	19.42	138
2001	25,097.49	11,986	10,610	15,993	19.56	818
2003	37,790.67	16,781	14,854	25,204	19.60	1,286
2004	21,690.59	9,230	8,170	14,822	19.62	755
2005	23,732.48	9,639	8,532	16,624	19.64	846
2007	311,780.00	113,364	100,349	230,138	19.67	11,700
2008	82,992.37	28,221	24,981	62,991	19.69	3,199
2010	99,175.89	28,544	25,267	79,859	19.72	4,050
2011	581,245.02	150,549	133,265	482,855	19.73	24,473
2015	68,570.10	8,040	7,117	65,567	19.78	3,315
2016	17,178.60	1,267	1,122	17,088	19.79	863
	7,764,833.16	5,013,381	4,437,815	3,792,908		200,205
TTM DD	TDOED INTE A					
	LIDGER UNIT 4	T TOWN 00 T	10 E			
	M SURVIVOR CURV					
	BLE RETIREMENT Y LVAGE PERCENT		0.7			
IVEE DE		Ü				
1979	15,534,001.58	10,811,274	9,570,074	6,895,968	18.84	366,028
1980	204.00	141	125	91	18.89	5
1982	5,502.00	3,720	3,293	2,539	18.98	134
1984	311.00	206	182	147	19.06	8
1990	5,941.46	3,635	3,218	3,080	19.28	160
1994	4,847.04	2,767	2,449	2,689	19.39	139
1995	29,939.51	16,748	14,825	16,911	19.42	871
2003	43,825.21	19,460	17,226	29,229	19.60	1,491
2004	227,146.62	96,662	85,565	155,211	19.62	7,911
2005	15,393.90	6,252	5,534	10,783	19.64	549
2007	46,535.39	16,920	14,977	34,350	19.67	1,746
2008	151,532.93	51,528	45,612	115,013	19.69	5,841
2009	80,015.29	25,206	22,312	62,504	19.70	3,173

### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

MEAD	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST (2)	ACCRUED	RESERVE	ACCRUALS (5)	LIFE	ACCRUAL
(1)	( 2 )	(3)	(4)	(5)	(6)	(7)
JIM BR	IDGER UNIT 4					
INTERI	M SURVIVOR CURV	E IOWA 80-R	2.5			
PROBABI	LE RETIREMENT Y	EAR 12-203	7			
NET SAI	LVAGE PERCENT	-6				
2010	27,919.19	8,035	7,113	22,482	19.72	1,140
2012	489,897.87	111,705	98,881	420,411	19.74	21,297
2016	132,172.06	9,748	8,629	131,474	19.79	6,643
	16,795,185.05	11,184,007	9,900,015	7,902,881		417,136
TTM DD	EDGED GOMMON					
	IDGER COMMON	E TOUR 00 D	.O. F			
	M SURVIVOR CURV					
	LE RETIREMENT Y LVAGE PERCENT		1			
NEI SAI	JVAGE PERCENI	-0				
1974	1,269,627.00	920,490	814,812	530,992	18.57	28,594
1975	525,862.00	378,367	334,928	222,486	18.63	11,942
1976	7,345,983.20	5,245,150	4,642,975	3,143,767	18.68	168,296
1977	594.00	421	373	257	18.74	14
1978	458.00	322	285	200	18.79	11
1979	874,973.08	608,959	539,047	388,425	18.84	20,617
1981	9,576.00	6,541	5,790	4,361	18.93	230
1982	27,963.00	18,908	16,737	12,904	18.98	680
1984	53,039.00	35,106	31,076	25,146	19.06	1,319
1986	8,892.00	5,748	5,088	4,337	19.14	227
1989	18,392.00	11,422	10,111	9,385	19.24	488
1994	2,423.53	1,384	1,225	1,344	19.39	69
1996	13,898.97	7,606	6,733	8,000	19.45	411
1999	26,174.58	13,283	11,758	15,987	19.52	819
2003	20,178.13	8,960	7,931	13,457	19.60	687
2004	13,317.31	5,667	5,016	9,100	19.62	464
2005	556,368.60	225,975	200,032	389,719	19.64	19,843
2006	223,525.07	86,214	76,316	160,620	19.65	8,174
2007	650,850.94	236,650	209,481	480,421	19.67	24,424
2008	506,311.55	172,170	152,404	384,286	19.69	19,517
2009	285,005.87	89,780	79,473	222,634	19.70	11,301
2010	161,286.77	46,420	41,091	129,873	19.72	6,586
2011	199,937.82	51,786	45,841	166,093	19.73	8,418
2012	28,585.82	6,518	5,770	24,531	19.74	1,243
2013	492,324.59	95,397	84,445	437,419	19.76	22,137



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	IDGER COMMON M SURVIVOR CURVE BLE RETIREMENT YE LVAGE PERCENT	CAR 12-203				
2014	147,331.55	23,146	20,489	135,683	19.77	6,863
2015	14,681.32	1,721	1,523	14,039	19.78	710
2017	3,111,700.93	79,656	70,511	3,227,892	19.80	163,025
	16,589,262.63	8,383,767	7,421,260	10,163,358		527,109
INTERI PROBAB	ON UNIT 1 M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	CAR 12-202				
1963	1,378,866.62	1,225,442	998,056	504,909	11.26	44,841
1972	13,162.87	11,298	9,202	5,146	11.49	448
1975	18,121.81	15,331	12,486	7,267	11.55	629
1978	365,574.75	304,177	247,736	150,741	11.61	12,984
1979	149,457.58	123,635	100,694	62,215	11.62	5,354
1981	4,629.53	3,780	3,079	1,968	11.66	169
1982	6,233.05	5,055	4,117	2,677	11.67	229
1983	34,481.71	27,764	22,612	14,973	11.68	1,282
1985	15,982.46	12,668	10,317	7,103	11.71	607
1986	71,218.22	55,977	45,590	32,038	11.72	2,734
1987	8,831.77	6,878	5,602	4,025	11.74	343
1990 1991	82,656.96 61,774.99	62,466 46,155	50,875 37,591	39,221 29,744	11.77 11.78	3,332 2,525
1991	71,022.80	52,429	42,701	34,714	11.79	2,944
1993	38,566.57	28,104	22,889	19,148	11.80	1,623
1995	79,785.42	56,491	46,009	40,957	11.82	3,465
1997	49,290.63	33,765	27,500	26,227	11.83	2,217
1998	38,486.73	25,871	21,071	20,880	11.84	1,764
1999	59,875.71	39,433	32,116	33,148	11.85	2,797
2000	186,392.87	120,050	97,774	105,394	11.86	8,887
2001	345,071.53	216,981	176,719	199,409	11.86	16,814
2002	60,864.53	37,252	30,340	36,003	11.87	3,033
2003	65,961.60	39,184	31,913	39,985	11.88	3,366
2004	333,863.64	192,011	156,383	207,529	11.88	17,469
2006	534,623.42	284,214	231,477	351,263	11.89	29,543
2007	97,778.32	49,551	40,357	66,222	11.90	5,565
2009	20,675.93	9,308	7,581	14,956	11.91	1,256

#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	CON UNIT 1 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
2012	15,885,824.91	5,426,000	4,419,183	12,896,367	11.92	1,081,910
2014	262,392.79	64,300	52,369	233,639	11.93	19,584
2017	621,909.29	26,722	21,764	656,118	11.94	54,951
	20,963,379.01	8,602,292	7,006,100	15,843,983		1,332,665
NAUGHT	CON UNIT 2					
	M SURVIVOR CURV					
	BLE RETIREMENT Y		9			
NET SA	ALVAGE PERCENT	-8				
1968	1,648,463.20	1,425,696	1,161,152	619,188	11.40	54,315
1976	282,016.86	235,140	191,509	113,069	11.57	9,773
1979	138,200.44	113,274	92,256	57,001	11.62	4,905
1980	3,066.99	2,498	2,034	1,278	11.64	110
1981	4,426.42	3,581	2,917	1,864	11.66	160
1982	26,687.54	21,445	17,466	11,357	11.67	973
1988	7,975.90	6,097	4,966	3,648	11.75	310
1989	3,298.10	2,496	2,033	1,529	11.76	130
1990	71,708.86	53,695	43,732	33,714	11.77	2,864
1992	47,790.85	34,956	28,470	23,144	11.79	1,963
1993	19,032.15	13,742	11,192	9,363	11.80	793
1995 2001	77,060.80 101,543.15	54,061 63,264	44,030 51,525	39,196 58,142	11.82 11.86	3,316 4,902
2001	101,343.13	61,456	50,053	59,394	11.87	5,004
2002	454,510.73	267,525	217,885	272,987	11.88	22,979
2003	172,713.01	98,419	80,157	106,373	11.88	8,954
2005	40,719.45	22,352	18,204	25,773	11.89	2,168
2006	1,233,308.81	649,630	529,088	802,885	11.89	67,526
2009	32,500.15	14,497	11,807	23,293	11.91	1,956
2010	98,338.22	40,734	33,176	73,030	11.91	6,132
2011	23,883,684.23	9,029,322	7,353,893	18,440,486	11.92	1,547,021
2014	106,399.08	25,834	21,040	93,871	11.93	7,868
2015	146,559.08	27,241	22,186	136,097	11.93	11,408
2016	1,440,030.10	172,677	140,636	1,414,596	11.93	118,575
2017	28,343.51	1,207	983	29,628	11.94	2,481
	30,169,717.39	12,440,839	10,132,389	22,450,906		1,886,586

### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	ON UNIT 3	E IOWA 80-R	2.5			
	LE RETIREMENT Y		19			
1971	3,890,976.30	3,323,647	2,706,930	1,495,324	11.47	130,368
1975	7,004.61	5,871	4,782	2,783	11.55	241
1979	132,761.33	108,816	88,625	54,758	11.62	4,712
1980	3,431.99	2,795	2,276	1,430	11.64	123
1981	3,522,981.01	2,849,924	2,321,109	1,483,711	11.66	127,248
1982	47,543.68	38,203	31,114	20,233	11.67	1,734 547
1983 1984	14,840.48 13,834.73	11,840 10,951	9,643 8,919	6,385 6,023	11.68 11.70	515
1984	25,750.00	20,054	16,333	11,477	11.70	979
1987	10,288.26	7,939	6,466	4,645	11.74	396
1988	92,014.01	70,336	57,285	42,090	11.75	3,582
1990	119,966.44	89,830	73,162	56,402	11.77	4,792
1991	1,299.08	962	783	620	11.78	53
1993	34,041.99	24,579	20,018	16,747	11.80	1,419
1996	74,505.90	51,427	41,885	38,582	11.83	3,261
1999	44,302.47	28,909	23,545	24,302	11.85	2,051
2001	53,067.40	33,063	26,928	30,385	11.86	2,562
2003	160,774.05	94,632	77,073	96,563	11.88	8,128
2004	164,212.49	93,575	76,212	101,138	11.88	8,513
2005	97,628.78	53,592	43,648	61,791	11.89	5,197
2006	573,390.46	302,026	245,984	373,278	11.89	31,394
2007	281,364.65	141,280	115,065	188,809	11.90	15,866
2008	57,679.32	27,442	22,350	39,944	11.90	3,357
2009	476,493.14	212,540	173,102	341,510	11.91	28,674
2011	529,420.12	200,149	163,011	408,763	11.92	34,292
2014	82,509.82	20,034	16,317	72,794	11.93	6,102
2015	927,601.22	172,411	140,419	861,390	11.93	72,204
	11,439,683.73	7,996,827	6,512,982	5,841,876		498,310
NAUGHT	ON COMMON					
	M SURVIVOR CURV		12.5			
	BLE RETIREMENT Y		19			
NET SA	LVAGE PERCENT	-9				
1963	88,700.09	78,831	64,204	32,480	11.26	2,885
1966	17,737.18	15,599	12,705	6,629	11.35	584
1968	393.54	344	280	149	11.40	13
1971	27,590.92	23,786	19,372	10,702	11.47	933



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NAUGHT	ON COMMON					
	M SURVIVOR CURV					
	LE RETIREMENT Y		19			
NET SA	LVAGE PERCENT	-9				
1974	627.87	534	435	249	11.54	22
1980	4,223.31	3,471	2,827	1,776	11.64	153
1982	127,397.90	103,317	84,146	54,718	11.67	4,689
1984	1,283.25	1,025	835	564	11.70	48
1985	246,810.08	195,625	159,326	109,697	11.71	9,368
1986	4,725.97	3,715	3,026	2,126	11.72	181
1987	76,891.95	59,883	48,771	35,041	11.74	2,985
1988	189,998.75	146,580	119,381	87,717	11.75	7,465
1990	7,983.36	6,033	4,914	3,788	11.77	322
1992	66,901.71	49,387	40,223	32,700	11.79	2,774
1996	18,846.10	13,129	10,693	9,849	11.83	833
1997	87,639.62	60,034	48,894	46,633	11.83	3,942
2003	84,174.12	50,004	40,726	51,024	11.88	4,295
2004	71,453.23	41,094	33,469	44,415	11.88	3,739
2005	460,379.61	255,057	207,730	294,084	11.89	24,734
2006	81,172.96	43,153	35,146	53,333	11.89	4,486
2007	150,682.21	76,362	62,193	102,051	11.90	8,576
2008	97,542.56	46,838	38,147	68,174	11.90	5,729
2009	232,515.68	104,674	85,251	168,191	11.91	14,122
2010	704,027.71	294,325	239,712	527,678	11.91	44,305
2011	2,849.84	1,087	885	2,221	11.92	186
2012	110,743.27	37,826	30,807	89,903	11.92	7,542
2013	93,781.93	27,833	22,668	79,554	11.92	6,674
2014	169,956.62	41,649	33,921	151,332	11.93	12,685
2016	311,214.15	37,664	30,675	308,548	11.93	25,863
2017	56,550.44	2,430	1,979	59,661	11.94	4,997
	3,594,795.93	1,821,289	1,483,341	2,434,987		205,130
WYODAK	DT.ANT					
	M SURVIVOR CURV	E IOWA 80-R	2. 5			
	LE RETIREMENT Y					
	LVAGE PERCENT					
10=0	10 004 -00 5-	10 011 00=	11 550 055	n 4 5	00.10	262 27-
1978	18,294,538.98	12,214,327	11,570,966	7,455,355	20.49	363,853
1990	494,859.11	285,216	270,193	244,461	21.10	11,586
1991	51,095.06	28,960	27,435	25,704	21.14	1,216
1992	25,754.95	14,347	13,591	13,194	21.17	623
2001	25,997.66	11,552	10,944	16,094	21.45	750



### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	PLANT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
2002 2003 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2016 2017	27,800.60 25,744.17 17,470.37 127,062.77 328,167.16 31,086.09 62,867.48 1,107,123.74 6,979,258.96 17,212.69 461,630.96 39,280.96 489,653.40 14,332.20 28,620,937.31	11,912 10,604 6,561 45,191 109,869 9,712 18,147 291,928 1,649,551 3,564 81,271 5,588 32,250 328 14,830,878	11,285 10,045 6,215 42,811 104,082 9,200 17,191 276,551 1,562,665 3,376 76,990 5,294 30,551 311	17,628 16,728 11,954 89,335 237,212 23,129 48,191 874,857 5,695,765 14,525 403,106 35,559 478,688 14,595 15,716,079	21.48 21.50 21.55 21.57 21.59 21.61 21.63 21.64 21.66 21.68 21.71 21.74	821 778 555 4,142 10,987 1,070 2,228 40,428 262,962 670 18,585 1,638 22,019 671
INTERI PROBAB	LL GEOTHERMAL U M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 80-R EAR 12-203				
1984 1992 1994 1998 1999 2004 2005 2006 2009 2012 2015	4,300,583.16 6,836.65 11,750.64 77,200.65 5,831.13 260,175.91 10,041.24 66,526.26 161,893.17 12,062.36 132,503.14	2,927,100 4,162 6,898 41,394 3,043 113,851 4,194 26,386 52,441 2,828 15,975	2,616,131 3,720 6,165 36,996 2,720 101,756 3,748 23,583 46,870 2,528 14,278	2,071,505 3,732 6,643 47,152 3,636 181,836 7,197 48,931 129,594 10,620 130,151	19.06 19.34 19.39 19.50 19.52 19.62 19.64 19.65 19.70 19.74	108,683 193 343 2,418 186 9,268 366 2,490 6,578 538 6,580
	5,045,404.31	3,198,272	2,858,494	2,640,997		137,643



#### ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	ACCRUED	RESERVE					
INTER PROBA	ELL GEOTHERMAL U IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	YE IOWA 80-F YEAR 12-203						
2007	2,453,737.00	909,015	812,443	1,837,593	19.67	93,421		
	2,453,737.00	909,015	812,443	1,837,593		93,421		
INTER PROBA	ELL GEOTHERMAL S IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	YE IOWA 80-F YEAR 12-203						
2014	1,033,795.62	163,944	192,313	913,848	19.77	46,224		
	1,033,795.62	163,944	192,313	913,848		46,224		
INTER PROBA	BLUNDELL GEOTHERMAL COMMON INTERIM SURVIVOR CURVE IOWA 80-R2.5 PROBABLE RETIREMENT YEAR 12-2037 NET SALVAGE PERCENT8							
2012	42,332.23	9,835	8,790	36,929	19.74	1,871		
	42,332.23	9,835	8,790	36,929		1,871		
	488,876,292.21	288,320,994	238,702,408	278,796,536		21,695,500		
	COMPOSITE REMAIN	NING LIFE AND	ANNUAL ACCRUAL	RATE, PERCEN	т 12.	9 4.44		



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERII PROBABI	UNIT 4 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 4-2025				
1981 1984 1987 1988 1999 2004 2006 2009 2011	2,761,912.34 18,096.83 927.00 15,918.79 51,636.72 242,806.19 11,012.56 873,617.78 118,469.78	2,286,393 14,786 746 12,736 37,269 159,422 6,832 478,613 56,974	1,364,801 8,826 445 7,602 22,247 95,163 4,078 285,695 34,009	1,507,588 9,995 519 8,953 31,455 157,356 7,375 622,867 89,199	6.71 6.74 6.77 6.77 6.87 6.92 6.94 6.98 7.01	224,678 1,483 77 1,322 4,579 22,739 1,063 89,236 12,725
INTERII PROBABI	4,094,397.99  IP GENERATING S  M SURVIVOR CURV  LE RETIREMENT Y  LVAGE PERCENT	E IOWA 45-L EAR 12-202		2,435,307		357,902
1987 1988 1989 1990 1992 1993 1994 1995 1996 1997 2000 2012 2015 2016 2017	23,327.36 19,117.74 5,897.82 43,044.30 60,638.75 3,468.91 61,732.63 426.30 2,958.36 48,106.64 11,888.29 728.87 77,142.70 56,761.90 27,810.16	17,650 14,355 4,395 31,801 43,976 2,489 43,815 299 2,048 32,825 7,710 270 16,313 7,884 1,431	13,228 10,759 3,294 23,834 32,959 1,865 32,839 224 1,535 24,602 5,779 202 12,226 5,909 1,073	11,499 9,506 2,958 21,793 31,318 1,812 32,598 228 1,601 26,391 6,823 570 69,545 54,259 28,406	8.95 8.97 8.98 9.00 9.03 9.05 9.06 9.11 9.16 9.42 9.51 9.55 9.60	1,285 1,060 329 2,421 3,468 200 3,598 25 176 2,897 745 61 7,313 5,682 2,959
	443,050.73	227,261	170,329	299,305		32,219



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABL	NIT 1 SURVIVOR CURVE E RETIREMENT YE. /AGE PERCENT	AR 12-2025				
1980 1988 2010	226,240.00 15,143.00 11,395.01	181,030 11,629 5,518	149,422 9,599 4,555			11,220 797 930
PROBABL	252,778.01  DMMON  SURVIVOR CURVE  E RETIREMENT YE  VAGE PERCENT	AR 12-2026		94,259		12,947
1979 1989 1993 1994 2001 2002 2008 2015	831,622.94 3,197.00 13,572.49 1,844.64 9,588.23 35,562.88 58,516.78 33,611.63	650,824 2,364 9,689 1,303 6,114 22,186 29,914 7,425	537,190 1,951 7,997 1,075 5,046 18,312 24,691 6,129	806 4,733	8.17 8.23 8.24 8.33 8.35 8.45	38,738 160 710 98 568 2,151 4,142 3,270
INTERIM PROBABLI	HNSTON UNIT 1 SURVIVOR CURVE E RETIREMENT YE. VAGE PERCENT	AR 12-2027				
1997	2,674.50	1,773	1,502	1,253	9.11	138
	2,674.50	1,773	1,502	1,253		138
INTERIM PROBABLI	HNSTON UNIT 3 SURVIVOR CURVE E RETIREMENT YE. VAGE PERCENT	AR 12-2027				
1999	240,204.09	154,236	130,663	116,747	9.14	12,773
	240,204.09	154,236	130,663	116,747		12,773



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERII PROBABI	OHNSTON UNIT 4 M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 12-202				
1997	396,430.86	262,846	222,673	185,650	9.11	20,379
2007	196,671.96	100,903	85,481	117,091	9.29	12,604
2017	6,224.18	311	263	6,147	9.60	640
	599,327.00	364,060	308,418	308,889		33,623
INTERII PROBABI	DHNSTON COMMON M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 12-202				
1960	23,188.76	18,927	16,034	7,850	8.45	929
1964	39,006.83	31,562	26,738	13,439	8.53	1,575
1968	2,544.92	2,038	1,727	895	8.61	104
1972	141,560.35	112,040	94,916	50,891	8.68	5,863
1985	19,616.41	14,618	12,384	7,821	8.92	877
1997	6,642.22	4,404	3,731	3,111	9.11	341
2001	1,045,729.04	646,164	547,406	529,695	9.17	57,764
2002	152,572.30	92,154	78,069	79,080	9.19	8,605
2003	101,432.06	59,721	50,593	53,882	9.21	5,850
2004	3,983.70	2,281	1,932	2,171	9.23	235
2006	2,725,516.17	1,457,513	1,234,750	1,572,531	9.27	169,637
2007	119,328.74	61,222	51,865	71,044	9.29	7,647
2010	3,175,148.76	1,372,621	1,162,833	2,107,570	9.36	225,168
2016	136,629.04	18,440	15,622	125,106	9.55	13,100
2017	8,333.87	417	353	8,231	9.60	857
	7,701,233.17	3,894,122	3,298,954	4,633,316		498,552
INTERII PROBABI	UNIT 1 M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 12-203				
1951	21,261.95	17,282	22,223	1,165	11.23	104
	21,261.95	17,282	22,223	1,165		104



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLI	UNIT 2 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1952	12,702.95	10,298	13,242	731	11.28	65
	12,702.95	10,298	13,242	731		65
PROBABL	UNIT 3 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1955	46,931.11	37,762	48,557	3,067	11.41	269
	46,931.11	37,762	48,557	3,067		269
PROBABL	COMMON SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1987	1,062.79	742	954	236		19
1994	276,551.57		228,381	81,356		
2001 2004	11,920.13 87,548.24	6,655 44,522	8,558 57,250	4,793 40,804		365 3,080
	377,082.73	229,526	295,143	127,190		9,771
PROBABLI	UNIT 1 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1965	1,206.12	898	893	326	10.59	31
1982	29,377.00	20,237	20,116	9,555	11.10	861
1984	2,807.00	1,908	1,897	938	11.15	84
1991	5,129.00	3,271	3,251	1,929		170
1994	211,557.92	129,963	129,186	84,487	11.42	7,398
	250,077.04	156,277	155,343	97,235		8,544



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
HAYDEN	UNIT 2					
	M SURVIVOR CURV					
	LE RETIREMENT YI LVAGE PERCENT		0			
NEI SAI	IVAGE PERCENI	-2				
1976	192,832.01	138,805	137,975	58,714	10.93	5,372
1981	13,831.00	9,685	9,627	4,481		
1982	18,396.00	12,798	12,721	6,042	11.10	544
	225,059.01	161,288	160,323	69,237		6,321
HAYDEN	COMMON					
	M SURVIVOR CURV					
	LE RETIREMENT YN LVAGE PERCENT		0			
1965	32,352.54	24,322	24,177	8,823	10.59	833
1976			86,948	37,000		
1978	8,302.00		5,882	2,586		
2017	2,504.56	96	95	2,459	12.27	200
	164,676.61	117,806	117,102	50,868		4,654
HUNTER	UNIT 1					
	M SURVIVOR CURV					
	LE RETIREMENT Y LVAGE PERCENT		:2			
1978	706,506.08	409,929	362,045	379,787	17.91	21,205
2005	29,368.18	9,853	8,702	22,135		1,095
2007	66,650.31	20,047	17,705	52,278		2,563
	802,524.57	439,829	388,452	454,199		24,863
HUNTER	UNIT 2					
	M SURVIVOR CURV		10			
	LE RETIREMENT YN LVAGE PERCENT		2			
1983	1,437,798.31	794,036	701,283	808,406	18.35	44,055
1990	7,326.26	3,695	3,263	4,429	18.94	234
1991	89.13	44	39	55	19.02	3
1992	10,779.54	5,260	4,646	6,673	19.11	349



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERII PROBABI	UNIT 2 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2005	53,991.35	18,114	15,998	40,693	20.21	2,014
2013 2017	51,257.82 72,343.12	8,268 1,607	7,302 1,419	46,519 74,541		2,205 3,427
	1,633,585.53	831,024	733,950	981,315		52,287
INTERII PROBABI	UNITS 1 AND 2 OF SURVIVOR CURVILLE RETIREMENT YOU LVAGE PERCENT	E IOWA 45-L EAR 12-204				
1978	115,934.28	67,267	59,409	62,322	17.91	3,480
1980 1989	628,648.50 11,189.09	358,008 5,727	316,189 5,058	343,892 6,691	18.09 18.86	19,010 355
1991	17,536.77	8,707	7,690	10,724	19.02	564
1996	21,534.48	9,720	8,585	14,027	19.43	722
1999	15,138.17	6,338	5,598	10,297	19.68	523
2006	13,920.64	4,438	3,920	10,697	20.30	527
	823,901.93	460,205	406,448	458,649		25,181
INTERII PROBABI	UNITS 1, 2 AND M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 45-L EAR 12-204				
2004	210,490.09	74,038	65,389	155,626	20.11	7,739
2005 2006	81,814.17 13,298.98	27,449 4,239	24,242 3,744	61,662 10,220	20.21 20.30	3,051 503
2008	159,189.39	44,816	39,581	127,568		6,223
2013	2,661.16	429	379	2,415	21.10	114
	467,453.79	150,971	133,335	357,491		17,630



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABI	TON UNIT 1 I SURVIVOR CURV E RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1977 1992 2006 2007 2009 2013	411,471.48 163,637.58 79,387.15 35,345.36 24,148.00 517,373.10	267,531 91,320 30,219 12,758 7,628 103,526	240,396 82,058 27,154 11,464 6,854 93,026	191,649 89,762 56,203 25,649 18,501 450,216	14.74 15.55 16.30 16.36 16.50 16.82	13,002 5,772 3,448 1,568 1,121 26,767
INTERIM PROBABI	STON UNIT 2 M SURVIVOR CURV JE RETIREMENT Y LVAGE PERCENT	E IOWA 45-L EAR 12-203	.0			
1974 1991 1992 1994 2010	318,662.89 109,852.11 88,457.06 58,481.61 395,807.23	211,271 62,198 49,365 31,617 115,141 469,592	189,842 55,889 44,358 28,410 103,462 421,962	144,754 59,455 48,522 32,996 312,135	14.57 15.50 15.55 15.65 16.57	9,935 3,836 3,120 2,108 18,837
INTERIM PROBABI	GTON COMMON 1 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1977 1978 1999 2004 2006 2007 2009 2011 2014 2016	761.52 516.35 130,576.77 6,509.53 2,751.15 129,384.67 298,125.26 48,187.37 46,401.98 23,791.02	495 333 63,660 2,712 1,047 46,701 94,176 12,684 7,610 1,862	445 299 57,203 2,437 941 41,964 84,624 11,398 6,838 1,673	355 243 79,902 4,398 1,948 93,890 228,407 39,199 41,884 23,307	14.74 14.80 15.91 16.18 16.30 16.36 16.50 16.65 16.91	24 16 5,022 272 120 5,739 13,843 2,354 2,477 1,361
	687,005.62	231,280	207,822	513,534		31,228



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTERIM PROBABL	DGER UNIT 1 SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-202				
1974 1988 1996	274,047.00 30,157.00 9,523.10	214,457 21,792 6,308	189,836 19,290 5,584	97,913 12,375 4,415	9.75	10,350 1,269 446
	313,727.10	242,557	214,710	114,703		12,065
INTERIM PROBABL	DGER UNIT 2 SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-203				
		113,277 19,548 5,550	100,272 17,304 4,913	66,471 14,360 5,086	12.70	
	198,482.09	138,375	122,489	85,917		6,963
INTERIM PROBABL	DGER UNIT 3 SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-203				
1976 1988 1996		17,351	86,909 15,359 4,279	73,538 16,304 5,720	15.96	
	192,485.09	120,366	106,547	95,562		6,196
INTERIM PROBABL	DGER UNIT 4 SURVIVOR CURVIE RETIREMENT YIV	EAR 12-203				
1979 1993 1996	1,204,233.00 34,793.48 9,523.10	756,960 18,657 4,834	670,056 16,515 4,279	594,389 20,018 5,720	15.42 16.24 16.41	38,547 1,233 349
	1,248,549.58	780,451	690,850	620,127		40,129



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIN PROBABI	IDGER COMMON M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1974	6,570.33	4,277	3,786	3,113	15.12	206
1975	6,529.00	4,223	3,738	3,117	15.18	205
1976	48,851.33	31,388	27,784	23,509	15.24	1,543
1986	487,006.19	286,861	253,928	257,429	15.84	16,252
1996	9,084.21	4,612	4,083	5,456	16.41	332
1997	122,523.37	60,931	53,936	74,714	16.46	4,539
2001	21,178.49	9,505	8,414	13,824	16.69	828
2007	65,589.51	22,893	20,265	48,604	17.07	2,847
2009	136,222.69	41,548	36,778	106,256	17.22	6,170
2010	348,701.16	97,740	86,519	279,617	17.30	16,163
2012	485,945.47	109,075	96,553	413,690	17.47	23,680
2013	73,879.79	14,180	12,552	65,022	17.57	3,701
2015	98,789.09	11,697	10,354	93,374	17.78	5,252
2017	1,034,390.44	27,576	24,410	1,061,700	18.04	58,853
	2,945,261.07	726,506	643,099	2,449,425		140,571
INTERIN PROBABI	ON UNIT 1 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-2029				
1963	95,888.60	77,565	63,172	39,429	9.88	3,991
	95,888.60	77,565	63,172	39,429		3,991
INTERIN PROBABI	ON UNIT 2 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-2029				
1968 1983 1984	279,758.20 64,888.11 44,225.34	222,961 48,243 32,663	181,590 39,291 26,602	117,752 30,139 20,719	10.02 10.40 10.42	11,752 2,898 1,988
	388,871.65	303,867	247,483	168,610		16,638



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTERIN PROBABI	ON UNIT 3 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1971 2005	204,643.87 1,661.21	162,915 884	132,686 720	88,329 1,074	10.10 10.91	8,745 98
	206,305.08	163,799	133,406	89,403		8,843
INTERIN PROBABI	ON COMMON M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1994 2007 2008 2009 2010	20,143.48 156,555.13 32,736.81 1,387,896.90 42,999.65	13,651 76,524 15,184 605,732 17,444	11,118 62,325 12,367 493,336 14,207	10,637 106,755 22,989 1,005,593 32,232	10.65 10.97 11.00 11.03 11.07	999 9,732 2,090 91,169 2,912
	1,640,331.97	728,535	593,352	1,178,207		106,902
PROBABI	PLANT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1978	156,315.29	93,602	88,672	72,333	16.44	4,400
1989 1997	4,628.31 4,898.66	2,470 2,273	2,340 2,153	2,427 2,892	17.20 17.73	141 163
2002	304,814.78	122,940	116,465	197,495	18.07	10,929
2002	23,139.91	8,653	8,197	15,637	18.21	859
2005	8,380.49	2,995	2,837	5,795	18.29	317
2009	408,948.61	114,487	108,457	312,760	18.62	16,797
2011	300,258.50	69,576	65,911	243,355	18.81	12,938
2014	25,397.34	3,626	3,435	22,724	19.14	1,187
2017	48,879.05	1,181	1,119	49,227	19.57	2,515
	1,285,660.94	421,803	399,586	924,645		50,246



#### ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)		CALCULATED ACCRUED (3)			REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	ELL GEOTHERMAL U IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	YE IOWA 45-I YEAR 12-203				
1984	510,649.39	312,991	279,740	266,655	15.72	16,963
1998	45,209.06	22,394	20,015	28,359	16.52	1,717
2006		19,582	17,502	38,325		
2013		6,407	5,726	29,324		
2017	66,890.15	1,817	1,624	69,948	18.04	3,877
	707,680.85	363,191	324,607	432,612		26,479
INTER PROBA	DELL GEOTHERMAL U IM SURVIVOR CURV BLE RETIREMENT Y BALVAGE PERCENT	YE IOWA 45-I YEAR 12-203				
2007	545,275.12	193,949	173,344	410,100	17.07	24,025
	545,275.12	193,949	173,344	410,100		24,025
INTER PROBA	DELL GEOTHERMAL S IM SURVIVOR CURV BLE RETIREMENT Y BALVAGE PERCENT	E IOWA 45-I EAR 12-203				
2014	125,101.43	19,846	23,280	109,328	17.67	6,187
	125,101.43	19,846	23,280	109,328		6,187
INTER PROBA	DELL GEOTHERMAL C IM SURVIVOR CURV BLE RETIREMENT Y BALVAGE PERCENT	YE IOWA 45-I YEAR 12-203				
1984	74,760.16	45,823	40,955	39,038	15.72	2,483
	74,760.16	45,823	40,955	39,038		2,483
	32,004,449.22	16,775,974	13,840,434	19,595,579		1,720,140
	COMPOSITE REMAIN	NING LIFE AND	ANNUAL ACCRUA	L RATE, PERCEN	т 11.	4 5.37



#### ACCOUNT 330.2 LAND RIGHTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABLE	T. ANTHONY SURVIVOR CURV RETIREMENT Y AGE PERCENT	TEAR 12-202	7			
1987 2015 2016	28,699.78 64,104.00 235,262.55	21,614 12,821 30,685	12,259 7,272 17,404	16,441 56,832 217,859	10.00	1,644 5,683 21,786
	328,066.33	65,120	36,934	291,132		29,113
PROBABLE	ER SURVIVOR CURV RETIREMENT Y AGE PERCENT	TEAR 12-203	3			
1917	4,486.42	3,870	3,420	1,067		67
1923 1929	1,227.46 113.18	1,050 96	928 85	300 28		19 2
1936	52.37	44	39	13	16.00	1
	5,879.43	5,060	4,471	1,408		89
PROBABLE	SURVIVOR CURV RETIREMENT Y AGE PERCENT	TEAR 12-206	4			
2003	655.72	155	290	366	47.00	8
	655.72	155	290	366		8
PROBABLE	SURVIVOR CURV	TEAR 12-204	0			
1957	12,122.48	8,783	12,122			
	12,122.48	8,783	12,122			



#### ACCOUNT 330.2 LAND RIGHTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLI	SURVIVOR CURV	YEAR 12-202	0			
1903 1932 1967 1996	600.00 7,292.94 6,709.18 624,390.84	585 7,046 6,333 547,934	533 6,423 5,773 499,510	67 870 936 124,881	3.00 3.00	22 290 312 41,627
INTERIM PROBABLI	638,992.96  RIVER - ACCEI  SURVIVOR CURV E RETIREMENT Y  VAGE PERCENT	YE SQUARE YEAR 12-201	512,240	126,753		42,251
1918 1962	36,340.01 4,601.29	35,624 4,441	33,433 4,168	2,907 433	2.00	1,454 216
	40,941.30	40,065	37,601	3,340		1,670
PROBABLI	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	YEAR 12-203	3			
1913 1916 1917 1918 1920 1924 1944 1951 1959	902.72 19.80 202.40 300.00 2,505.36 10,421.16 1,947.20 2,550.07 1,609.23 300.99	783 17 175 258 2,152 8,898 1,599 2,056 1,264 224	693 15 155 228 1,904 7,871 1,414 1,819 1,118	210 5 48 72 602 2,550 533 731 491 103	16.00 16.00 16.00 16.00 16.00 16.00	13 3 4 38 159 33 46 31 6
	20,758.93	17,426	15,415	5,344		333



#### ACCOUNT 330.2 LAND RIGHTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABL	I SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-205	8			
1933 1992 1997	291,434.01 6,026.70 3,049.30	196,225 2,311 1,016	210,607 2,480 1,090	80,827 3,546 1,959		1,971 86 48
	300,510.01	199,552	214,178	86,332		2,105
PROBABL	SURVIVOR CURVI E RETIREMENT YI WAGE PERCENT	EAR 12-203	0			
1897 1971	9,236.96 10.52	8,337 8	7,871 8	1,366 3	13.00 13.00	105
	9,247.48	8,345	7,879	1,368		105
INTERIM PROBABL	T #1, 2 AND 4 SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-203	8			
1937 1995	1,500.87 2,210.97	1,190 1,144	1,071 1,029	430 1,182		20 56
	3,711.84	2,334	2,100	1,612		76
PROBABL	I SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-205	8			
1958 1961 1964	5,719,869.52 555,562.33 1,980.74	3,386,392 321,943 1,121	3,452,776 328,254 1,143	2,267,094 227,308 838		55,295 5,544 20
	6,277,412.59	3,709,456	3,782,173	2,495,240		60,859



#### ACCOUNT 330.2 LAND RIGHTS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBA	IM SURVIVOR CURVI BLE RETIREMENT YI ALVAGE PERCENT	EAR 12-205	8			
1953	720,193.58	440,305	487,892	232,302	41.00	5,666
1954	1,463.46	889	985	478	41.00	12
1976	39,922.82	20,082	22,252	17,670	41.00	431
	761,579.86	461,276	511,129	250,451		6,109
	8,399,878.93	5,079,470	5,136,532	3,263,346		142,718
	COMPOSITE REMAIN	ING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	22.9	1.70



#### ACCOUNT 330.3 WATER RIGHTS

YEAR (1)	COST		ALLOC. BOOK RESERVE (4)		LIFE	ACCRUAL
PROBA	CR RIM SURVIVOR CURVE. ABLE RETIREMENT YEA GALVAGE PERCENT C	AR 12-206	4			
1920 1928 1933	4,350.27	307 2,852 8	455 4,350 13			
	4,818.31	3,167	4,818			
PROBA	ON RIM SURVIVOR CURVE. ABLE RETIREMENT YEA BALVAGE PERCENT C	AR 12-203				
1913	•	1,388 3,872	1,228	372 1,063		23 66
1917 1918	•	3,872	3,425 192	1,063 59	16.00 16.00	4
		125	111	37		2
1947			12,720	4,923		308
	24,129.94	19,981	17,675	6,455		403
PROBA	EER RIM SURVIVOR CURVE. ABLE RETIREMENT YEA BALVAGE PERCENT C	AR 12-203	0			
1897	110,805.67	100,015	94,434	16,372	13.00	1,259
	110,805.67	100,015	94,434	16,372		1,259
	139,753.92	123,163	116,927	22,827		1,662
	COMPOSITE REMAININ	NG LIFE AND	ANNUAL ACCRUAI	L RATE, PERCEN	г 13.7	7 1.19



#### ACCOUNT 330.4 FLOOD RIGHTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLE	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-206	4			
1925 1927 1931 1938 1939 1942 1945 1946 1948 1952 1965	1,378.75 1,423.10 243.62 2,240.20 105.90 6,299.13 1,250.00 3,808.50 14,426.31 56,889.53 2,903.38	914 937 158 1,408 66 3,882 758 2,298 8,606 33,122 1,532	1,379 1,423 244 2,240 106 6,299 1,250 3,809 14,426 56,890 2,903			
PROBABLE		E SQUARE EAR 12-202				
1937 1973	17,360.72 235,149.03	16,737 220,297	15,258 200,828	2,103 34,321		701 11,440
	252,509.75	237,034	216,086	36,424		12,141
INTERIM PROBABLE	RIVER - ACCEL SURVIVOR CURV E RETIREMENT Y //AGE PERCENT	E SQUARE EAR 12-201	9			
1925	1,029.50	1,008	946	84	2.00	42
	1,029.50	1,008	946	84		42



#### ACCOUNT 330.4 FLOOD RIGHTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABLI	F #1, 2 AND 4 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203	8			
1937	3,166.96	2,512	2,260	907	21.00	43
	3,166.96	2,512	2,260	907		43
	347,674.63	294,235	310,260	37,415		12,226

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.1 3.52



#### ACCOUNT 330.5 FISH/WILDLIFE

YEAR	ORIGINAL COST (2)			FUTURE BOOK ACCRUALS (5)		ANNUAL ACCRUAL (7)
PROBA	N IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-205	8			
1933	212,279.74	142,930	153,406	58,874	41.00	1,436
	212,279.74	142,930	153,406	58,874		1,436
PROBA	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-205	8			
1960	97,228.11	56,758	57,871	39,357	41.00	960
	97,228.11	56,758	57,871	39,357		960
	309,507.85	199,688	211,277	98,231		2,396
	COMPOSITE REMAIN	IING LIFE AND	ANNUAL ACCRUA	L RATE, PERCEN	т 41.	0 0.77



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABLE	ST. ANTHONY SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-202				
1917	50,489.59	45,693	25,916	25,079	9.61	2,610
1925	63,125.00	56,715	32,167	31,589	9.65	3,273
1931	57.91	52	29	29	9.68	3
1933	295.84	263	149	150	9.69	15
1943	113.15	99	56	58	9.74	6
1947	10,987.07	9,591	5,440	5,657	9.75	580
1948	539.53	470	267	278	9.75	29
1949	365.71	318	180	189	9.76	19
1950	2,120.58	1,841	1,044	1,098	9.76	112
1951	1,442.33	1,250	709	748	9.76	77
1952	1,557.52	1,347	764	809	9.77	83
1953	2,628.36	2,269	1,287	1,368	9.77	140
1954	225.22	194	110	117	9.77	12
1956	1,035.50	888	504	542	9.78	55
1960	241.23	205	116	127	9.79	13
1965	1,149.35	963	546	615	9.80	63
1974	1,480.56	1,202	682	814	9.82	83
1975	22,260.29	17,984	10,200	12,283	9.83	1,250
1977	613.68	491	278	341	9.83	35
1979	7,945.86	6,297	3,571	4,454	9.83	453
1980	1,286.08	1,013	575	724	9.84	74
1981	11,710.63	9,177	5,205	6,623	9.84	673
1984	10,548.58	8,112	4,601	6,053	9.84	615
1986	2,898.61	2,197	1,246	1,682	9.85	171
1988	83,464.36	62,251	35,307	48,992	9.85	4,974
1989	50,262.45	37,163	21,078	29,687	9.85	3,014
1990	28,196.64	20,654	11,714	16,764	9.85	1,702
1992	122,052.72	87,556	49,659	73,614	9.86	7,466
1994	15,201.38	10,652	6,042	9,312	9.86	944
1995	500,998.59	346,505	196,528	309,480	9.86	31,387
1996	23,983.80	16,357	9,277	14,946	9.86	1,516
2003	4,445.03	2,630	1,492	2,998	9.87	304
2007	6,935.24	3,551	2,014	4,991	9.88	505
2008	9,733.54	4,740	2,688	7,142	9.88	723
2009	7,470.89	3,431	1,946	5,600	9.88	567
2010	10,374.07	4,445	2,521	7,957	9.88	805
2011	18,739.58	7,384	4,188	14,739	9.88	1,492



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	/ST. ANTHONY M SURVIVOR CURVE	r T∩WA 125-	.p1			
	LE RETIREMENT YE					
	LVAGE PERCENT					
2012	909,894.31	322,613	182,977	736,016	9.89	74,420
2013	2,820.86	874	496	2,353	9.89	238
2014	30,584.87	7,920	4,492	26,399	9.89	2,669
	2,020,276.51	1,107,357	628,063	1,412,416		143,170
BEAR R	IVER					
INTERI	M SURVIVOR CURVE	E IOWA 125-	-R1			
	LE RETIREMENT YE		33			
NET SA	LVAGE PERCENT	-2				
1908	71,467.92	62,184	54,950	17,947	14.84	1,209
1914	269,535.60	232,893	205,802	69,125	14.94	4,627
1915	368,303.16	317,865	280,889	94,780	14.95	6,340
1916	10,591.06	9,129	8,067	2,736	14.97	183
1917	115,100.35	99,072	87,547	29,855	14.99	1,992
1918	103.67	89	79	27	15.00	2
1920	27,201.41	23,321	20,608	7,137	15.03	475
1921	712.09	610	539	187	15.04	12
1922	20,547.80	17,567	15,524	5,435	15.06	361
1923	204,055.66	174,206	153,941	54,195	15.07	3,596
1924	336,601.28	286,913	253,538	89,796	15.09	5,951
1925	6,336.90	5,394	4,767	1,697	15.10	112
1926	1,125.12	956	845	303	15.11	20
1927	557.41	473	418	151	15.13	10
1929	493.73	418	369	134	15.15	9
1930	1,280.57	1,081	955	351	15.17	23
1931	775.91	654	578	214	15.18	14
1936	182.79	153	135	51	15.24	3
1937	377.58	315	278	107	15.25	7
1939	790.63	656	580	227	15.27	15
1940	871.13	722	638		15.28	16
1941	965.62	798	705	280	15.29	18
1942	1,819.73	1,501	1,326	530	15.30	35
1943	576.68	474	419	169	15.31	11
1944	1,716.45	1,409	1,245	506	15.32	33
1945	110.89	91	80	33	15.33	2
1946	3,720.80	3,039	2,685	1,110	15.34	72
1947	2,953.92	2,407	2,127	886	15.35	58

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
BEAR RI	VER					
INTERIM	SURVIVOR CURVE	E IOWA 125-	·R1			
PROBABL	E RETIREMENT YE	EAR 12-203	33			
NET SAL	VAGE PERCENT	-2				
1948	9,993.08	8,121	7,176	3,017	15.36	196
1949	458.99	372	329	139	15.37	9
1950	6,873.65	5,556	4,910	2,101	15.38	137
1951	9,192.48	7,409	6,547	2,829	15.39	184
1952	8,683.25	6,979	6,167	2,690	15.39	175
1953	10,699.75	8,574	7,577	3,337	15.40	217
1954	998.33	797	704	314	15.41	20
1955	1,682.49	1,340	1,184	532	15.42	35
1956	4,842.26	3,843	3,396	1,543	15.43	100
1957	6,965.94	5,511	4,870	2,235	15.43	145
1958	4,426.69	3,490	3,084	1,431	15.44	93
1960	283.52	222	196	93	15.46	6
1970	337.07	252	223	121	15.52	8
1971 1972	16,141.91	12,022 7,864	10,624 6,949	5,841	15.53 15.53	376 250
1972	10,616.35 2,973.95	2,190	1,935	3,879 1,098	15.53	250 71
1973	11,298.66	8,272	7,310	4,215	15.54	271
1975	8,087.98	5,884	5,200	3,050	15.55	196
1976	1,392.98	1,007	890	531	15.55	34
1977	10,238.10	7,350	6,495	3,948	15.56	254
1978	4,748.79	3,386	2,992	1,852	15.56	119
1979	2,259.39	1,599	1,413	892	15.57	57
1980	19,321.80	13,569	11,991	7,718	15.57	496
1981	27,224.82	18,961	16,755	11,014	15.58	707
1982	7,886.70	5,447	4,813	3,231	15.58	207
1983	112,024.21	76,675	67,756	46,509	15.59	2,983
1984	43,816.92	29,716	26,259	18,434	15.59	1,182
1985	445,480.65	299,111	264,317	190,073	15.60	12,184
1986	40,897.01	27,179	24,017	17,698	15.60	1,134
1987	4,270.20	2,808	2,481	1,874	15.60	120
1988	60,422.13	39,262	34,695	26,936	15.61	1,726
1989	67,764.26	43,509	38,448	30,672		1,965
1990	6,426.21	4,072	3,598	2,956	15.62	189
1991	49,741.62	31,096	27,479	23,258	15.62	1,489
1992	7,231.33	4,456 3,249	3,938	3,438	15.62 15.63	220
1993 1994	5,356.82 65,762.18	3,249	2,871 34,674	2,593 32,404	15.63	166 2,073
1994	152,099.62	39,238 89,135	78,766	76,375	15.63	4,883
1996	183,569.62	105,555	93,276	93,965	15.64	6,008
1000	103,309.02	100,000	23,410	23,903	13.04	0,000

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
BEAR R	TVER					
	M SURVIVOR CURV	E. TOWA 125-	-R1			
	LE RETIREMENT Y					
	LVAGE PERCENT					
		_				
1997	13,221.34	7,451	6,584	6,902	15.64	441
1998	1,723.94	950	839	919	15.65	59
1999	35,965.08	19,350	17,099	19,585	15.65	1,251
2000	15,812.27	8,285	7,321	8,807	15.66	562
2002	23,500.79	11,606	10,256	13,715	15.66	876
2003	84,012.00	40,081	35,419	50,274	15.67	3,208
2004	62,580.83	28,748	25,404	38,429	15.67	2,452
2006	91,011.21	38,192	33,749	59,082	15.68	3,768
2007	143,415.65	57,068	50,430	95,854	15.68	6,113
2008	180,827.12	67,612	59,747	124,697	15.69	7,948
2009	231,852.19	80,782	71,385	165,104	15.69	10,523
2010	133,644.84	42,838	37,855	98,463	15.69	6,276
2011	656,230.46	190,371	168,226	501,129	15.70	31,919
2012	99,616.08	25,607	22,628	78,980	15.70	5,031
2013	63,062.42	13,898	12,281	52,042	15.71	3,313
2014	138,683.25	24,984	22,078	119,379	15.71	7,599
2015	53,712.07	7,287	6,439	48,347	15.71	3,077
2017	1,252,539.79	37,855	33,452	1,244,139	15.72	79,144
	6,162,778.90	2,882,433	2,547,133	3,738,901		239,451
BEND			-1			
	M SURVIVOR CURV					
	LE RETIREMENT Y		5 U			
NET SA	LVAGE PERCENT	-T				

1913	15,637.42	13,784	15,794
1927	472.72	410	477
1929	275.07	238	278
1930	21.54	19	22
1936	580.70	497	587
1938	31.98	27	32
1939	20.01	17	20
1942	818.69	693	827
1952	3,073.78	2,548	3,105
1953	1,443.08	1,193	1,458
1954	230.91	190	233
1955	408.88	336	413
1964	84.39	67	85



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABL:	SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-203				
1968	9,171.78	7,223	9,263			
1969	646.75	507	653			
1971	383.64	298	387			
1990	13,918.09	9,409	14,057			
2001	5,565.47	3,101	5,621			
2003	3,772.48	1,982	3,810			
2010	519.00	189	524			
2017	38,192.94	1,392	24,545	14,030	12.82	1,094
	95,269.32	44,120	82,192	14,030		1,094
PROBABL	K SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-205				
1902	1,619.00	1,232	1,668			
1907	10,977.89	8,260	11,307			
1911	540.00	402	556			
1921	77.47	56	80			
1925	17,448.59	12,501	17,972			
1926	933.89	667	962			
1929	21,096.59	14,922	21,729			
1930	384.27	271	396			
1935	659.78	457	680			
1936	793.87	548	818			
1937	145.34	100	150			
1940	79.74	54	82			
1941	151.15	102	156			
1942	57.68	39	59			
1952	303.79	195	310	3		
1953	945.00	603	958	15	32.77	
1954	156.43	99	157	4	32.82	
1959	1,316.90	810	1,287	69	33.03	2
1960	2,649.01	1,618	2,572	157	33.07	5
1961	157.15	95	151	11	33.10	
1965	23,725.58	13,985	22,227	2,211	33.25	66
1966	1,324.59 12,757.03	775	1,232	133	33.29	4
1969	12,/5/.03	7,276	11,564	1,576	33.39	47

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABL	K SURVIVOR CURVE E RETIREMENT YE VAGE PERCENT	EAR 12-205				
1970 1971 1972 1973 1979 1983 1984 1993 1994 1995 1996 2003 2005 2006 2007 2008 2009 2010 2011 2017	3,354.03 1,389.25 4,592.36 399.78 1,682.94 87.68 8,696.66 49,096.72 9,594.90 100,681.19 29,890.97 5,181.79 5,663.44 51,891.84 56,595.37 159,881.57 5,292.05 8,709.24 5,408.77 155,838.41	1,896 778 2,548 220 865 43 4,170 19,793 3,773 38,558 11,132 1,483 1,455 12,524 12,748 33,273 1,009 1,499 826 2,159	3,013 1,236 4,050 350 1,375 68 6,627 31,458 5,997 61,281 17,692 2,357 2,312 19,905 20,261 52,882 1,604 2,382 1,313 3,431	441 194 681 62 359 22 2,330 19,112 3,886 42,420 13,095 2,980 3,521 33,544 38,033 111,796 3,847 6,588 4,258 157,082	33.42 33.45 33.48 33.51 33.68 33.79 33.81 34.02 34.04 34.06 34.22 34.26 34.28 34.30 34.32 34.33 34.35 34.37	13 6 20 2 11 1 69 562 114 1,245 384 87 103 979 1,109 3,257 112 192 124 4,556
PROBABL	762,229.70  SURVIVOR CURVEE RETIREMENT YEVAGE PERCENT  16,496.87 258.46 6,747.98 504,620.37 169.28 1,906.88 1,831.64 1,421.29 870.84 822.02 66.92	EAR 12-206		448,431		13,070



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CUTLE	₹.					
INTER	IM SURVIVOR CURV	E IOWA 125-	R1			
	BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-5				
1952	2,839.62	1,669	2,982			
1955	2,109.61	1,215	2,215			
1956	430.90	246	452			
1957	1,744.76	991	1,832			
1960	124.85	69	131			
1961	750.60	413	788			
1964	460.46	247	483			
1968	2,890.79	1,494	2,954	81	42.33	2
1973	4,541.55	2,225	4,399	370	42.61	9
1974	3,143.14	1,522	3,009	291	42.66	7
1977	2,930.97	1,367	2,703	375	42.82	9
1980	137,519.10	61,486	121,566	22,829	42.96	531
1981	7,461.69	3,286	6,497	1,338	43.01	31
1982	2,161.42	937	1,853	417	43.06	10
1983	271,440.43	115,764	228,881	56,131	43.10	1,302
1984	11,704.43	4,909	9,706	2,584	43.14	60
1985	2,643.02	1,089	2,153	622	43.19	14
1988	20,458.00	7,953	15,724	5,757	43.31	133
1989	25,857.17	9,839	19,453	7,697	43.35	178
1990	35,270.58	13,125	25,950	11,084	43.39	255
1992	31,449.53	11,153	22,051	10,971	43.47	252
1993	7,654.61	2,645	5,230	2,808	43.51	65
1995	51,506.92	16,816	33,248	20,835	43.59	478
1996	72,212.31	22,862	45,201	30,622	43.62	702
1997	1,412,312.53	432,733	855,572	627,356	43.66	14,369
1999	696,931.03	198,612	392,683	339,095	43.73	7,754
2001	162,475.68	42,606	84,238	86,362	43.80	1,972
2002	202,518.65	50,722	100,284	112,360	43.83	2,564
2003	3,491.59	831	1,643	2,023	43.87	46
2004	2,780.64	627	1,240	1,680	43.90	38
2005	21,952.82	4,655	9,204	13,847	43.94	315
2007	4,142.73	764	1,511	2,839	44.00	65
2008	94,972.97	16,133	31,897	67,824	44.04	1,540
2009	52,048.50	8,057	15,930	38,721	44.07	879
2010	80,708.13	11,220	22,183	62,560	44.10	1,419



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)		REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-206				
2013	1,093.82	97	192	957	44.20	22
	17,498.75	1,225	2,422	15,952		361
	60,970.83	643	1,271	62,748		1,416
	4,048,417.68	1,410,327	2,641,703	1,609,136		36,798
EAGLE 1						
PROBABI	M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-204				
1957	48,713.83	35,059	49,688			
1958	398.55	286	407			
1960	81.72	58	83			
1983	10,326.88	6,167	10,533			
1992	5,198.41	2,723	4,877	425	22.21	19
1995	27,156.04	13,383	23,970	3,729	22.23	168
1996		13,173	23,594	4,309	22.24	194
2003	7,027.80	2,709	4,852	2,316	22.30	104
2009	10,374.10	2,792	5,001	5,581	22.35	250
2014	4,030.15	532	953	3,158	22.38	141
2017	44,741.38	937	1,678	43,958	22.41	1,962
	185,404.41	77,819	125,636	63,476		2,838
PROBABI	E M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
1896	23,019.86	19,941	21,791	1,689	16.24	104
1950	2,155.34	1,698	1,856	343	17.21	20
1951	464.59	365	399	75	17.22	4
1952	1,495.72	1,171	1,280	246	17.23	14
1954	0.01		0			_
1959	1,867.23	1,425	1,557	347	17.30	20
1968	510.12	374	409	112	17.38	6
1972	198.41	142	155	47	17.40	3
1979	374.92	255	279	104	17.45	6

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLI	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1980	2,523.28	1,704	1,862	712	17.46	41
1982	28,487.86	18,901	20,655	8,403	17.47	481
1985	16,068.23	10,344	11,304	5,086	17.48	291
1986	8,268.31	5,263	5,751	2,682	17.49	153
1988	312.61	194	212	107	17.50	6
1993	17,877.97	10,313	11,270	6,966	17.53	397
1996	10,555.26	5,752	6,286	4,481	17.54	255
1999	1,979.40	1,005	1,098	921	17.56	52
2002	8,081.13	3,745	4,092	4,150	17.57	236
2003 2007	3,491.59 328,455.35	1,560 121,232	1,705 132,480	1,857 202,545	17.58 17.60	106 11,508
2010	78,593.65	23,173	25,323	54,843	17.60	3,114
2017	12,432.30	336	367	12,314	17.64	698
2017	547,213.14	228,893	250,129	308,028	17.01	17,515
	SURVIVOR CURV					
	E RETIREMENT Y		30			
1903	10,009.18	9,702	8,845	1,165	2.96	394
1906	1,554.40	1,506	1,373	181	2.96	61
1910	6,322.96	6,120	5,579	744	2.96	251
1916	210.88	204	186	25	2.96	8
1919	19.72	19	17	2	2.97	1
1923	40.01	39	36	4	2.97	1
1924	70,757.74	68,237	62,206	8,551	2.97	2,879
1925	4,713.97	4,545	4,143	571	2.97	192
1926	1,125.47	1,085	989	136	2.97	46
1928	107.05	103	94	13	2.97	4
1931 1932	30.44 171.40	29 165	26 150	4 21	2.97 2.97	1 7
1936	301.09	289	263	38	2.97	13
1939	30.28	29	26	4	2.98	1
1940	00.20					
	95.31	91	83	12	2.98	4
1941	95.31 1,932.49	91 1,851	83 1,687	12 245	2.98 2.98	4 82
1941 1945			83 1,687 721			

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KLAMATH	RIVER					
INTERIM	SURVIVOR CURVE	E IOWA 125-	R1			
PROBABL	E RETIREMENT Y	EAR 12-202	0			
NET SAL	VAGE PERCENT	0				
1958	1,367.77	1,297	1,182	185	2.98	62
1963	1,712.49	1,617	1,474	238	2.98	80
1964	1,557.29	1,469	1,339	218	2.98	73
1967	5,263.26	4,949	4,512	752	2.98	252
1968	58,022.65	54,502	49,685	8,337	2.98	2,798
1969	140.02	131	119	21	2.98	7
1971	46,127.92	43,173	39,358	6,770	2.98	2,272
1972	19,995.85	18,691	17,039	2,957	2.98	992
1973	6,392.43	5,967	5,440	953	2.98	320
1974	21,293.51	19,848	18,094	3,200	2.98	1,074
1975	6,950.73	6,469	5,897	1,053	2.98	353
1976	3,124.37	2,903	2,646	478	2.98	160
1977	7,811.81	7,247	6,607	1,205	2.98	404
1978	12,644.91	11,708	10,673	1,972	2.99	660
1979	8,766.45	8,102	7,386	1,380	2.99	462
1980	14,207.71	13,106	11,948	2,260	2.99	756
1982	6,108.94	5,612	5,116	993	2.99	332
1986	10,249.97	9,325	8,501	1,749	2.99	585
1987	14,924.94	13,539	12,342	2,582	2.99	864
1988	7,533.09	6,813	6,211	1,322	2.99	442
1989	17,825.66	16,070	14,650	3,176	2.99	1,062
1990	1,629.99	1,464	1,335	295 756	2.99	99
1991 1992	4,109.44 14,294.74	3,678 12,745	3,353 11,619	2,676	2.99 2.99	253 895
1992	70,235.78	62,353	56,842	13,393	2.99	4,479
1994	26,865.97	23,741	21,643	5,223	2.99	1,747
1996	38,065.16	33,289	30,347	7,718	2.99	2,581
1997	7,470.22	6,494	5,920	1,550	2.99	518
2000	800.31	681	621	179	2.99	60
2001	10,433.75	8,799	8,021	2,412	2.99	807
2003	21,813.98	18,013	16,421	5,393	2.99	1,804
2004	10,298.48	8,398	7,656	2,643	2.99	884
2006	3,243.63	2,564	2,337	906	2.99	303
2007	9,726.56	7,540	6,874	2,853	2.99	954
2008	262,232.86	198,641	181,086	81,147	2.99	27,139
2009	2,698.73	1,988	1,812	886	2.99	296
2011	28,252.75	19,266	17,563	10,689	2.99	3,575
2012	1,224.83	790	720	505	2.99	169
2013	10,464.81	6,259	5,706	4,759	2.99	1,592

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KTAMATI	H RIVER					
	M SURVIVOR CURVE	TOWA 125-	·R1			
	LE RETIREMENT YE					
	LVAGE PERCENT					
2014	1,081.11	581	530	551	2.99	184
2015	14,864.40	6,739	6,143	8,721	2.99	2,917
2016	62,219.94	20,694	18,865	43,355	2.99	14,500
2017	5,611.01	804	733	4,878	2.99	1,631
	988,014.39	802,480	731,560	256,454		85,827
	H RIVER - ACCELE					
	M SURVIVOR CURVE LE RETIREMENT YE		0			
	LE RETTREMENT TE LVAGE PERCENT		.9			
NEI SAI	LVAGE PERCENI	U				
1915	367.46	360	338	30	2.00	15
1918	239,825.22	235,101	220,640	19,186	2.00	9,593
1922	3,704.93	3,629	3,406	299	2.00	150
1925	259,229.40	253,744	238,136	21,094	2.00	10,547
1928	332.30	325	305	27	2.00	14
1939	3,391.53	3,307	3,104	288	2.00	144
1940	2,677.76	2,610	2,449	228	2.00	114
1941	2,823.26	2,751	2,582	241	2.00	120
1942	2,977.82	2,901	2,723	255	2.00	128
1954	108.56	105	99	10	2.00	5
1956	89.76	87	82	8	2.00	4
1958	815,748.69	789,221	740,675	75,074	2.00	37,537
1959	10,426.90	10,082	9,462	965	2.00	482
1960	2,972.98	2,873	2,696	277	2.00	138
1961	4,486.71	4,333	4,066	420	2.00	210
1962	1,113,584.15	1,074,854	1,008,738	104,846		52,423
1963	32,362.77	31,217	29,297	3,066		1,533
1964	871.08	840	788	83	2.00	42
1965	62,049.42	59,772	56,095	5,954	2.00	2,977
1966	772,222.66	743,357	697,632	74,591		37,296
1967	2,376.93	2,286	2,145	232	2.00	116
1968	125,702.23	120,821	113,389	12,313	2.00	6,156
1969	13,807.19	13,260	12,444	1,363	2.00	682
1970	13,180.60	12,648	11,870	1,311	2.00	656
1971	19,729.67	18,916	17,752	1,977	2.00	988
1972	36,931.88	35,377	33,201	3,731	2.00	1,866
1973	8,866.77	8,485	7,963	904	2.00	452



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL
(1)	( \( \alpha \)	(3)	(4)	(5)	( 6 )	(7)
KLAMATH	H RIVER - ACCELE	ERATED				
	M SURVIVOR CURVE					
	LE RETIREMENT YE		9			
NET SAI	LVAGE PERCENT	0				
1974	68,716.64	65,696	61,655	7,062	2.00	3,531
1975	14,569.26	13,915	13,059	1,510	2.00	755
1976	15,153.15	14,456	13,567	1,586	2.00	793
1977	78,100.90	74,425	69,847	8,254	2.00	4,127
1978	81,480.22	77,554	72,784	8,697	2.00	4,348
1979	18,326.13	17,421	16,349	1,977	2.00	988
1980	1,285.57	1,220	1,145	141	2.00	70
1981 1982	4,940.86 3,089.12	4,684 2,924	4,396 2,744	545 345	2.00	272 172
1982	5,007.64	4,733	4,442	566	2.00	283
1984	4,039.51	3,812	3,578	462	2.00	231
1985	43,047.72	40,552	38,058	4,990	2.00	2,495
1986	149,148.36	140,244	131,617	17,531	2.00	8,766
1987	70,942.24	66,576	62,481	8,461	2.00	4,230
1988	169,790.44	159,010	149,229	20,561	2.00	10,280
1989	236,280.70	220,788	207,207	29,074	2.00	14,537
1990	80,951.18	75,463	70,821	10,130	2.00	5,065
1991	395,839.71	368,060	345,420	50,420	2.00	25,210
1992	155,000.11	143,727	134,886	20,114	2.00	10,057
1993	223,509.51	206,641	193,930	29,579	2.00	14,790
1994 1995	472,534.06 644,369.80	435,473 591,770	408,686 555,369	63,848 89,000	2.00	31,924 44,500
1996	1,281,715.24	1,172,628	1,100,498	181,217	2.00	90,608
1997	156,512.42	142,600	133,828	22,684	2.00	11,342
1998	34,278.56	31,090	29,178	5,101	2.00	2,550
1999	129,275.55	116,663	109,487	19,789	2.00	9,894
2000	25,829.21	23,180	21,754	4,075	2.00	2,038
2001	26,563.04	23,691	22,234	4,329	2.00	2,164
2002	19,521.27	17,290	16,226	3,295	2.00	1,648
2003	83,068.12	72,999	68,509	14,559	2.00	7,280
2004	111,682.60	97,272	91,289	20,394	2.00	10,197
2005	53,536.74	46,152	43,313	10,224	2.00	5,112
2006	107,734.46	91,774	86,129	21,606	2.00	10,803
2007	781,715.33	656,641	616,250	165,465	2.00	82,732
2008	917,540.39	757,971	711,347	206,193	2.00	103,096
2009	873,235.92	706,902	663,419	209,816	2.00	104,908
2010	67,953.98	53,648	50,348	17,606	2.00	8,803
2011	2,269,896.87	1,735,813	1,629,041	640,856	2.00	320,428
2012	306,653.92	224,879	211,046	95,608	2.00	47,804

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER: PROBA	TH RIVER - ACCEL IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E SQUARE EAR 12-201	19			
2013 2014 2015 2016 2017	213,472.93 537,672.04 767,795.77 487,369.52 322,596.10	147,789 342,153 426,557 208,872 64,519	138,698 321,107 400,319 196,024 60,550	74,775 216,565 367,477 291,346 262,046	2.00 2.00 2.00 2.00 2.00	37,388 108,282 183,738 145,673 131,023
INTER: PROBA	16,062,591.44  CHANCE  IM SURVIVOR CURV  BLE RETIREMENT Y  ALVAGE PERCENT	EAR 12-203		3,558,648		1,779,323
1983 1986 1989 1996 1999 2003 2004 2009	318,786.46 21,028.47 15,263.58 15,907.30 51,719.86 4,444.07 7,878.50 13,365.77	216,054 13,838 9,704 9,057 27,554 2,099 3,584 4,611	246,780 15,806 11,084 10,345 31,473 2,398 4,094 5,267	75,195 5,433 4,332 5,721 20,765 2,091 3,864 8,233	15.59 15.60 15.61 15.64 15.65 15.67 15.67	4,823 348 278 366 1,327 133 247 525
PROBA	N IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1913 1917 1918 1920 1923 1924 1936 1941 1947	23,223.21 450,226.95 53.50 4,942.81 1,996.02 12.00 3,160.98 1,964.34 330.40 2,599.95	20,092 387,532 46 4,238 1,704 10 2,640 1,623 269 2,107	17,774 342,813 41 3,749 1,507 9 2,335 1,436 238 1,864	5,914 116,418 14 1,293 529 3 889 568 99 788	14.92 14.99 15.00 15.03 15.07 15.09 15.24 15.29 15.35	396 7,766 1 86 35 58 37 6



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	4 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1950	1,185.59	958	847	362	15.38	24
1951	142.18	115	102	43	15.39	3
1952	1,243.85	1,000	885	384	15.39	25
1953	4,074.12	3,265	2,888	1,267	15.40	82
1954	367.47	294	260	115	15.41	7
1955	2,296.63	1,829	1,618	725	15.42	47
1956	16,235.66	12,886	11,399	5,161	15.43	334
1957	465.78	368	326	150	15.43	10
1958	406.67	321	284	131	15.44	8
1962	7,088.97	5,506	4,871	2,360	15.47	153
1968	4,809.13	3,638	3,218	1,687	15.51	109
1971	1,464.65	1,091	965	529	15.53	34
1972	4,697.52	3,480	3,078	1,713	15.53	110
1975	5,004.05	3,640	3,220	1,884	15.55	121
1978	1,236.42	882	780	481	15.56	31
1979	188.43	133	118	75	15.57	5
1980	25,884.54	18,177	16,079	10,323	15.57	663
1981	29,399.32	20,476	18,113	11,874	15.58	762
1982	75,793.30	52,351	46,310	30,999	15.58	1,990
1984	14,153.54	9,599	8,491	5,945	15.59	381
1985	54,822.05	36,809	32,561	23,357	15.60	1,497
1986	1,974.82	1,312	1,161	854	15.60	55
1987	4,502.03	2,960	2,618	1,974	15.60	127
1990	9,975.00	6,321	5,592	4,583	15.62	293
1992	5,072.56	3,126	2,765	2,409	15.62	154
1994	210,420.75	125,552	111,064	103,565	15.63	6,626
1995	6,868.58	4,025	3,561	3,445	15.64	220
1996	65,455.34	37,638	33,295	33,470	15.64	2,140
1999	83,557.48	44,956	39,768	45,460	15.65	2,905
2000	16,004.84	8,385	7,417	8,908	15.66	569
2001	1,285.44	655	579	732	15.66	47
2003	23,592.33	11,256	9,957	14,107		900
2008	20,390.14	7,624	6,744	14,054	15.69	896
2010	7,370.01	2,362	2,089	5,428	15.69	346
2012	5,880.08	1,512	1,338	4,660	15.70	297
2014	27,859.83	5,019	4,440	23,977	15.71	1,526
2017	9,936.72	300	265	9,870	15.72	628
	1,239,615.98	860,082	760,834	503,574		32,561

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
MERWIN						
INTERIM	SURVIVOR CURVE	E IOWA 125-	R1			
PROBABL	E RETIREMENT YE	EAR 12-205	8			
NET SAL	VAGE PERCENT	-3				
1933	934,662.15	625,400	671,237	291,465	35.38	8,238
1934	181.29	121	130	57	35.46	2
1935	37.24	25	27	12	35.53	
1937	443.14	292	313	143	35.69	4
1938	824.49	540	580	270	35.76	8
1939	2,088.46	1,362	1,462	689	35.83	19
1940	2,465.40	1,601	1,718	821	35.90	23
1942	614.73	395	424	209	36.05	6
1947	226.39	142	152	81	36.38	2
1948	2,180.88	1,361	1,461	786	36.44	22
1949	24,488.50	15,195	16,309	8,914	36.51	244
1950	111.34	69	74	41	36.57	1
1954	205.41	124	133	78	36.80	2
1955	1,086.97	651	699	421	36.86	11
1957	127.80	76	82	50	36.97	1
1958	804,139.90	471,879	506,464	321,800	37.03	8,690
1959	555.44	324	348	224	37.08	6 2
1960	155.11	90 707	97 759	63 509	37.13	14
1961 1962	1,231.16 7,327.81	4,177	4,483	3,065	37.18 37.23	82
1963	1,620.58	917	984	685	37.23	18
1964	4,861.71	2,728	2,928	2,080	37.23	56
1965	428.73	239	257	185	37.38	5
1966	252.49	139	149	111	37.42	3
1968	34,344.96	18,615	19,979	15,396	37.51	410
1970	483,030.20	256,890	275,718	221,803	37.60	5,899
1971	17,365.69	9,145	9,815	8,071	37.64	214
1972	20,873.06	10,881	11,678	9,821	37.68	261
1974	14,080.17	7,183	7,709	6,793	37.76	180
1975	869.64	439	471	425	37.80	11
1976	3,369.96	1,680	1,803	1,668	37.84	44
1977	24,321.89	11,977	12,855	12,197	37.88	322
1978	8,359.20	4,066	4,364	4,246	37.91	112
1979	50,393.36	24,189	25,962	25,943	37.95	684
1980	14,543.75	6,885	7,390	7,590	37.99	200
1981	11,492.35	5,365	5,758	6,079	38.02	160
1982	41,111.66	18,916	20,302	22,043	38.05	579
1983	31,568.41	14,299	15,347	17,168	38.09	451
1984	8,372.89	3,733	4,007	4,617	38.12	121

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
LIFTON	J					
INTERI	IM SURVIVOR CURV	E IOWA 125-	R1			
PROBAE	BLE RETIREMENT Y	EAR 12-203	3			
NET SA	ALVAGE PERCENT	-2				
1985	19,781.07	8,674	9,310	11,065	38.15	290
1986	46,756.02	20,147	21,624	26,535	38.18	695
1987	19,393.31	8,206	8,807	11,168	38.21	292
1988	358,075.28	148,622	159,515	209,303	38.24	5,473
1989	342,568.86	139,388	149,604	203,242	38.27	5,311
1990	143,577.43	57,189	61,381	86,504	38.30	2,259
1991	33,507.62	13,055	14,012	20,501	38.33	535
1992	5,420,852.93	2,063,039	2,214,244	3,369,235	38.36	87,832
1993	12,439,999.79	4,617,621	4,956,057	7,857,143	38.39	204,666
1994	1,538,239.98	556,136	596,896	987,491	38.42	25,703
1995	1,544,619.28	543,121	582,928	1,008,030	38.45	26,217
1996	227,674.51	77,773	83,473	151,032	38.47	3,926
1997	478,423.60	158,354	169,960	322,816	38.50	8,385
1998	37,473.50	11,993	12,872	25,726	38.53	668
1999	267,603.82	82,648	88,705	186,926	38.55	4,849
2000	198,370.49	58,937	63,257	141,065	38.58	3,656
2001	76,260.62	21,734	23,327	55,222	38.61	1,430
2002	260,275.29	70,975	76,177	191,907	38.63	4,968
2003	149,981.08	38,941	41,795	112,685	38.66	2,915
2004	782,274.60	192,597	206,713	599,030	38.68	15,487
2005	500,786.77	116,310	124,835	390,976	38.71	10,100
2006	325,407.35	70,895	76,091	259,079	38.73	6,689
2007	612,914.35	124,272	133,380	497,922	38.76	12,846
2008	537,054.92	100,499	107,865	445,302	38.78	11,483
2009	3,140,036.63	536,043	575,331	2,658,907	38.81	68,511
2010	1,117,060.34	171,895	184,494	966,079	38.83	24,880
2011	955,547.76	129,926	139,449	844,766	38.86	21,739
2012	1,504,800.34	177,236	190,226	1,359,718	38.88	34,972
2013	2,230,778.02	219,568	235,661	2,062,041	38.90	53,009
2014	50,396,748.67	3,942,981	4,231,971	47,676,680	38.93	1,224,677
2015	3,080,734.89	176,205	189,119	2,984,037	38.95	76,612
2016	137,055.67	4,793	5,144	136,023	38.98	3,490
2017	4,544,929.87	54,584	58,585	4,622,693	39.00	118,531
	96,023,978.97	16,237,174	17,427,232	81,477,466		2,100,203



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NORTH U	UMPQUA					
INTERI	M SURVIVOR CURV	E IOWA 125-	·R1			
	LE RETIREMENT Y		8			
NET SAI	LVAGE PERCENT	-2				
1950	588,031.05	446,179	373,022	226,770	19.91	11,390
1951	356,536.55	269,612	225,405	138,262	19.92	6,941
1952	967,610.64	729,000	609,470	377,493	19.94	18,931
1953	1,178,966.89	885,038	739,923	462,623	19.95	23,189
1954	20.69	15	13	9	19.97	
1955	600,761.75	447,505	374,130	238,647	19.98	11,944
1956	638,115.67	473,358	395,744	255,134	20.00	12,757
1957	31,879.06	23,552	19,690	12,826	20.01	641
1958	39,012.60	28,702	23,996	15,797	20.02	789
1959	1,235.28	905	757	503	20.04	25
1960	42,818.92	31,219	26,100	17,575	20.05	877
1961	15,109.28	10,966	9,168	6,243	20.06	311
1963	9,249.51	6,647	5,557	3,877	20.09	193
1964	15,225.00 154.39	10,885 110	9,100 92	6,429 66	20.10 20.11	320
1965	4,337.92		2,565			3 92
1966 1967	19,261.62	3,068 13,548	11,327	1,860 8,320	20.12 20.13	413
1970	625.27	432	361	277	20.13	14
1971	13,216.37	9,070	7,583	5,898	20.17	292
1972	60,487.50	41,233	34,472	27,225	20.18	1,349
1973	25,248.97	17,091	14,289	11,465	20.19	568
1974	13,436.11	9,028	7,548	6,157	20.20	305
1975	12,749.33	8,502	7,108	5,896	20.21	292
1976	28,421.12	18,806	15,722	13,267	20.22	656
1977	134,076.25	87,990	73,563	63,195	20.23	3,124
1978	38,629.58	25,135	21,014	18,388	20.24	908
1979	165,292.07	106,591	89,114	79,484	20.25	3,925
1980	105,084.56	67,154	56,143	51,043	20.25	2,521
1981	22,685.09	14,357	12,003	11,136	20.26	550
1982	39,943.88	25,024	20,921	19,822	20.27	978
1983	140,249.96	86,929	72,676	70,379	20.28	3,470
1984	2,500.48	1,532	1,281	1,270	20.29	63
1985	12,155.91	7,366	6,158	6,241	20.29	308
1986	17,593.73	10,529	8,803	9,143	20.30	450
1987	2,172.51	1,283	1,073	1,143	20.31	56
1988	110,102.21	64,150	53,632	58,673	20.32	2,887
1990	577,822.84	326,899	273,299	316,080	20.33	15,547
1991	167,570.97	93,269	77,976	92,946	20.34	4,570
1992	675,894.06	369,987	309,322	380,090	20.34	18,687

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NORTH	UMPQUA					
	IM SURVIVOR CURV	E IOWA 125-	R1			
	BLE RETIREMENT Y		8			
NET SA	ALVAGE PERCENT	-2				
1993	344,037.59	184,881	154,567	196,351	20.35	9,649
1994	1,507,315.95	794,453	664,191	873,271	20.36	42,892
1995	941,506.02	485,988	406,303	554,033	20.37	27,198
1996	787,582.43	397,787	332,564	470,770	20.37	23,111
1997	498,280.08	245,752	205,457	302,788	20.38	14,857
1998	61,060.26	29,348	24,536	37,745	20.39	1,851
1999	179,525.06	83,973	70,204	112,911	20.39	5,538
2000	1,421.20	645	539	910	20.40	45
2001 2002	10,475.94 1,025,262.74	4,602 435,060	3,847 363,726	6,838 682,042	20.41 20.41	335 33,417
2002	79,664.39	32,498	27,169	54,088	20.41	2,649
2003	1,042,756.95	407,523	340,704	722,908	20.42	35,385
2005	1,648,259.32	614,538	513,776	1,167,449	20.43	57,144
2006	856,906.81	302,900	253,235	620,810	20.44	30,372
2007	731,572.43	243,576	203,638	542,566	20.45	26,531
2008	975,090.85	303,719	253,920	740,673	20.45	36,219
2009	3,747,773.47	1,079,386	902,405	2,920,324	20.46	142,733
2010	762,300.36	200,731	167,818	609,728	20.46	29,801
2011	872,411.36	206,100	172,307	717,553	20.47	35,054
2012	4,999,027.32	1,037,240	867,170	4,231,838	20.48	206,633
2013	1,170,399.16	206,755	172,855	1,020,953	20.48	49,851
2014	1,353,573.13	193,511	161,782	1,218,862	20.49	59,486
2015	1,802,931.01	191,292	159,927	1,679,063	20.50	81,906
2016	422,279.55	28,268	23,633	407,092	20.50	19,858
2017	1,877,501.60	43,797	36,616	1,878,436	20.51	91,586
	34,573,200.57	12,526,989	10,473,010	24,791,655		1,214,437
PARIS						
INTER	IM SURVIVOR CURV	E IOWA 125-	R1			
PROBA	BLE RETIREMENT Y	EAR 12-202	4			
NET SA	ALVAGE PERCENT	-1				
1910	7,573.56	7,102	7,649			
1923	297.85	277	301			
1950	324.00	294	327			
1951	25.26	23	26			
1954	90.18	81	91			
1956	372.06	334	376			

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PARIS						
INTERIM	SURVIVOR CURV	E IOWA 125-	R1			
PROBABLI	E RETIREMENT Y	EAR 12-202	14			
NET SALV	JAGE PERCENT	-1				
1960	424.99	379	429			
1968	541.73	475	547			
1974	2,112.30	1,822	2,133			
1979	211.97	180	214			
1986	4,544.93	3,725	4,590			
1995	1,054.57	806	1,065			
1996	16,612.83 10,764.57	12,563 6,215	16,779	2 020	6 04	294
2008 2009	42,663.70	23,468	8,834 33,358	2,038 9,732		
2010	5,963.01	3,094	4,398	1,625		234
2010	16,260.32	7,853	11,163	5,260		758
2011	10,200.52	7,055	11,103	3,200	0.51	750
	109,837.83	68,691	92,281	18,655		2,688
PIONEER						
	SURVIVOR CURV	E IOWA 125-	·R1			
	E RETIREMENT Y					
	JAGE PERCENT					
1897	42,694.66	38,152	36,023	7,098	12.10	587
1915	231.89	204	193	42	12.31	3
1918	368.02	323	305	67	12.35	5
1920	10,104.70	8,841	8,348	1,858	12.36	150
1922	95.00	83	78	18	12.38	1
1923	1,623.48	1,415	1,336	304	12.39	25
1924	649.85	566	534	122	12.40	10
1925	1,039.66	904	854	196	12.41	16
1929 1945	3,554.58	3,075 787	2,903	687 201	12.45 12.56	55 16
1945	934.79 208.51	175	743 165	45	12.50	4
1940	664.77	555	524	147	12.57	12
1951	1,791.73	1,489	1,406		12.59	32
1956	737.17	605	571	173	12.63	14
1957	725.52	593	560	173	12.63	14
1958	1,401.89	1,143	1,079	337	12.64	27
1960	1,559.84	1,265	1,194	381	12.64	30
1961	1,690.33	1,366	1,290	417	12.65	33
1964	2,978.88	2,383	2,250	759	12.66	60
1965	355.30	283	267	92	12.67	7



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLE	SURVIVOR CURV RETIREMENT Y AGE PERCENT	EAR 12-203				
1966	5,737.76	4,555	4,301	1,494	12.67	118
1968	23,954.17	18,864	17,811	6,382	12.68	503
1969	287.31	225	212	78	12.68	6
1977	3,593.07	2,706	2,555	1,074	12.71	85
1978	2,794.75	2,092	1,975	847	12.71	67
1979	5,390.74	4,010	3,786	1,658	12.72	130
1983	898.89	650	614	294	12.73	23
1985	18,971.95	13,490	12,737	6,424	12.73	505
1986	87,802.95	61,864	58,412	30,269	12.74	2,376
1987	13,062.96	9,118	8,609	4,584	12.74	360
1989	17,215.24	11,769	11,112	6,275	12.75	492
1993	1,275.49 24,635.24	830 15,295	784	505	12.76	40 818
1996 1999	16,349.83	9,567	14,442 9,033	10,440 7,480	12.76 12.77	586
2002	32,382.61	17,551	16,572	16,135	12.77	1,263
2002	3,490.55	1,834	1,732	1,794	12.78	140
2007	22,382.23	9,969	9,413	13,193	12.79	1,032
2008	72,588.70	30,542	28,838	44,477	12.80	3,475
2009	1,881.79	742	701	1,200	12.80	94
2010	2,667.77	973	919	1,776	12.80	139
2011	75,320.65	25,039	23,642	52,432	12.80	4,096
2012	2,229.95	661	624	1,628	12.80	127
2017	26,568.40	968	914	25,920	12.82	2,022
	534,893.57	307,521	290,362	249,881		19,598
INTERIM PROBABLE	#1, 2 AND 4 SURVIVOR CURV RETIREMENT Y VAGE PERCENT	EAR 12-203				
1911	77,565.39	64,328	57,875	21,242	19.07	1,114
1922	1,611.41	1,312	1,180	463	19.36	24
1928	300,231.25	241,635	217,395	88,841	19.50	4,556
1929	686.61	551	496	205	19.52	11
1931	502.21	402	362	151	19.56	8
1938	2,143.83	1,686	1,517	670	19.70	34
1944	13,175.90	10,192	9,170	4,270	19.81	216
1946	827.38	636	572	272	19.85	14

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PROSPEC	T #1, 2 AND 4					
	SURVIVOR CURVE					
	E RETIREMENT YE		88			
NET SAL	VAGE PERCENT	-2				
1949	120.11	91	82	41	19.89	2
1950	65.01	49	44	22	19.91	1
1952	20,740.39	15,626	14,058	7,097	19.94	356
1953	51.60	39	35	18	19.95	1
1954	468.39	350	315	163	19.97	8
1956	399.96	297	267	141	20.00	7
1959	2,368.20	1,734	1,560	856	20.04	43
1960	1,879.82	1,371	1,233	684	20.05	34
1962 1964	1,351.12 22,629.63	976 16,179	878 14,556	500 8,526	20.07 20.10	25 424
1965	976.88	695	625	371	20.10	18
1970	6,358.58	4,392	3,951	2,534	20.11	126
1973	2,111.18	1,429	1,286	868	20.19	43
1974	824.82	554	498	343	20.20	17
1975	228.00	152	137	96	20.21	5
1976	4,758.25	3,148	2,832	2,021	20.22	100
1979	936.11	604	543	411	20.25	20
1982	30,246.93	18,949	17,048	13,804	20.27	681
1983	9,806.98	6,078	5,468	4,535	20.28	224
1984	983.92	603	543	461	20.29	23
1986	83,181.52	49,781	44,787	40,058	20.30	1,973
1987 1988	21,011.71 238,899.75	12,412 139,194	11,167 125,231	10,265 118,447	20.31 20.32	505 5,829
1989	24,434.03	14,036	12,628	12,295	20.32	605
1990	16,198.53	9,164	8,245	8,278	20.32	407
1991	73,484.83	40,901	36,798	38,157	20.34	1,876
1992	238,510.14	130,561	117,464	125,817	20.34	6,186
1993	288,834.14	155,216	139,645	154,965	20.35	7,615
1994	147,180.11	77,573	69,791	80,333	20.36	3,946
1996	158,365.04	79,986	71,962	89,570	20.37	4,397
1998	6,711.66	3,226	2,902	3,944	20.39	193
1999	240,158.69	112,335	101,066	143,896	20.39	7,057
2000	17,033.56	7,732	6,956	10,418	20.40	511
2003	57,903.31	23,621	21,251	37,810	20.42	1,852
2004	542,371.28	211,966	190,702	362,516	20.43	17,744
2005	12,156.23 66,656.42	4,532 23,562	4,077	8,322 46,791	20.43	407 2,289
2006 2007	47,568.86	23,562 15,838	21,198 14,249	46,791 34,271	20.44 20.45	1,676
2007	100,722.19	31,373	28,226	74,511	20.45	3,644
2000	100,722.17	31,373	20,220	, 1, 511	20.45	5,011

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		(3)	(4)	(5)	(0)	( / )
	CT #1, 2 AND 4					
	M SURVIVOR CURVE					
	LE RETIREMENT YI LVAGE PERCENT		8			
NEI SAI	IVAGE PERCENT	-2				
2009	111,890.13	32,225	28,992	85,136	20.46	4,161
2010	225,833.48	59,467	53,502	176,849	20.46	8,644
2011	70,156.03	16,574	14,911	56,648	20.47	2,767
2012	101,188.04	20,995	18,889	84,323	20.48	4,117
2013	459,941.24	81,250	73,099	396,041	20.48	19,338
2014	45,735.31	6,538	5,882	40,768	20.49	1,990
2017	2,358,107.85	55,009	49,491	2,355,779	20.51	114,860
	6,258,283.94	1,809,125	1,627,641	4,755,809		232,724
PROSPEC	CT #3					
INTERIN	M SURVIVOR CURVE	E IOWA 125-	R1			
PROBABI	LE RETIREMENT Y	EAR 12-205	8			
NET SAI	LVAGE PERCENT	-4				
1022	58,849.66	39,918	61,204			
1932 1938	1,798.88	1,190	1,871			
1939	2,557.21	1,684	2,659			
1941	1,709.22	1,115	1,778			
1958	53.55	32	56			
1961	1,195.83	694	1,244			
1965	2,093.90	1,176	2,178			
1974	850.24	438	884			
1977	4,401.71	2,189	4,578			
1979	787.32	382	819			
1982	4,136.23	1,922	4,302			
1986	20,904.00	9,095	21,740			
1987	10,517.23	4,493	10,938			
1988	41,063.19	17,209	42,706			
1989	6,026.01	2,476	6,267			
1993	11,847.38	4,440	11,967	354	38.39	9
1994	25,557.41	9,330	25,148	1,432	38.42	37
1996	74,352.49	25,645	69,122	8,204	38.47	213
2003	2,852.45	748	2,016	950	38.66	25
2008	1,616.23	305	822	859	38.78	22
2010	45,965.46	7,142	19,250	28,554	38.83	735



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLI	F #3 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-205				
2011	6,010.18	825	2,224	4,027	38.86	104
2013	302,057.94	30,019	80,912	233,228		5,996
2014	16,704.45	1,320	3,558	13,815	38.93	355
	643,908.17	163,787	378,241	291,423		7,496
SANTA CI	LARA					
	SURVIVOR CURV					
	E RETIREMENT Y VAGE PERCENT		.4			
1917	9,603.39	8,970	9,699			
1920	5,275.05	4,918	5,328			
1926	8,840.93	8,209	8,929			
1961	270.90	241	274			
1983	36,403.44	30,320	34,700	2,067	6.92	299
1986	24,784.62	20,313	23,247	1,785	6.93	258
1987	24,505.00	19,966	22,850	1,900	6.93	274
1988	4,217.30	3,415	3,908	351	6.93	51
1994	6,677.99	5,157	5,902	843	6.93	122
1996	9,452.84	7,148	8,181	1,367	6.93	197
2003	10,471.65	7,080	8,103	2,474	6.94	356
2007	3,651.64	2,197	2,514	1,174	6.94	169
2008	18,881.82	10,901	12,476	6,595		950
2010	16,118.35	8,362	9,570	6,710		967
2014	954.34	319	365	599	6.95	86
	180,109.26	137,516	156,047	25,863		3,729
STAIRS						
INTERIM	SURVIVOR CURV	E IOWA 125-	·R1			
	E RETIREMENT Y VAGE PERCENT		0			
1895	26,327.16	23,561	24,222	2,368	12.07	196
1920	70.75	62	64	2,300	12.36	1
1923	292.07	255	262	33	12.39	3
1942	158.17	134	138	22	12.54	2
1959	397.28	323	332	69	12.64	5
	32.120	323	002			J



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
STAIRS						
INTERI	M SURVIVOR CURVE	IOWA 125-	R1			
PROBABI	LE RETIREMENT YE	EAR 12-203	0			
NET SAI	LVAGE PERCENT	-1				
1963	789.32	634	652	145	12.66	11
1976	810.86	614	631	188	12.71	15
1979	540.81	402	413	133	12.72	10
1985	60,295.74	42,874	44,077	16,822	12.73	1,321
1986	5,765.13	4,062	4,176	1,647	12.74	129
1989	6,250.28	4,273	4,393	1,920	12.75	151
1992	19,199.55	12,666	13,021	6,370	12.75	500
1994	24,041.85	15,417	15,850	8,433	12.76	661
1996	8,110.74	5,036	5,177	3,015	12.76	236
2002	9,619.30	5,214	5,360	4,355	12.78	341
2003	3,490.55	1,834	1,885	1,640	12.78	128
2008	12,069.75	5,078	5,221	6,970	12.80	545
2011	2,791.89	928	954	1,866	12.80	146
	181,021.20	123,367	126,829	56,002		4,401
CMITTO						
SWIFT	M SURVIVOR CURVE	. TOMY 12E	. ъ 1			
	LE RETIREMENT YE					
	LVAGE PERCENT		,0			
IVIII DIII	TVIIGH THROHIT	3				
1958	2,452,356.71	1,439,071	1,467,281	1,058,646	37.03	28,589
1960	3,024.57	1,750	1,784	1,331	37.13	36
1961	8,547.74	4,910	5,006	3,798	37.18	102
1962	3,327.19	1,896	1,933	1,494	37.23	40
1963	2,287.37	1,294	1,319	1,037	37.28	28
1964	2,371.31	1,330	1,356	1,086	37.33	29
1965	33,285.84	18,519	18,882	15,402	37.38	412
1966	2,879.18	1,589	1,620	1,345	37.42	36
1968	469.20	254	259	224	37.51	6
1969	3,734.67	2,005	2,044	1,802	37.56	48
1970	3,119.63	1,659	1,692	1,522	37.60	40
1971	38,155.56	20,094	20,488	18,812	37.64	500
1972	674.60	352	359	336	37.68	9
1973	6,258.26	3,228	3,291	3,155	37.72	84
1974	17,195.93	8,773	8,945	8,767	37.76	232
1975	19,380.12	9,776	9,968	9,994	37.80	264
1976	450.63	225	229	235	37.84	6
1977	6,879.01	3,387	3,453	3,632	37.88	96

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SWIFT						
	M SURVIVOR CURV	r t∩wa 125_	.D1			
	BLE RETIREMENT Y					
	ALVAGE PERCENT		,0			
INDI DA	ALVAGE IERCENI	3				
1978	14,636.55	7,119	7,259	7,817	37.91	206
1979	11,212.62	5,382	5,488	6,061	37.95	160
1980	12,541.09	5,937	6,053	6,864	37.99	181
1984	8,702.84	3,880	3,956	5,008	38.12	131
1985	67,079.95	29,413	29,990	39,103	38.15	1,025
1986	52,272.00	22,523	22,965	30,876	38.18	809
1988	43,209.83	17,935	18,287	26,220	38.24	686
1989	13,917.71	5,663	5,774	8,561	38.27	224
1991	108,656.47	42,333	43,163	68,753	38.33	1,794
1992	439,693.38	167,336	170,616	282,268	38.36	7,358
1993	32,663.95	12,125	12,363	21,281	38.39	554
1994	40,974.71	14,814	15,104	27,100	38.42	705
1996	242,499.62	82,838	84,462	165,313	38.47	4,297
1998	5,058.99	1,619	1,651	3,560	38.53	92
1999	10,989.01	3,394	3,461	7,858	38.55	204
2000	86,459.84	25,688	26,192	62,862	38.58	1,629
2001	129,023.56	36,772	37,493	95,401	38.61	2,471
2002	54,423.05	14,841	15,132	40,924	38.63	1,059
2003	29,020.43	7,535	7,683	22,208	38.66	574
2004	266,026.51	65,496	66,780	207,227	38.68	5,357
2006	156,461.98	34,088	34,756	126,400	38.73	3,264
2007	18,087.31	3,667	3,739	14,891	38.76	384
2008	38,442.64	7,194	7,335	32,261	38.78	832
2009	1,438,212.28	245,520	250,333	1,231,026	38.81	31,719
2010	1,478,227.22	227,473	231,932	1,290,642	38.83	33,238
2011	25,270,288.71	3,436,009	3,503,365	22,525,032	38.86	579,646
2012	31,549,251.28	3,715,887	3,788,730	28,706,999	38.88	738,349
2013	1,123,592.18	110,592	112,760	1,044,540	38.90	26,852
2014	4,633,565.78	362,525	369,632	4,402,941	38.93	113,099
2015	1,610,174.22	92,095	93,900	1,564,579	38.95	40,169
2016	1,070,953.02	37,450	38,184	1,064,897	38.98	27,319
2017	74,309.29	892	909	75,629	39.00	1,939
	72,735,025.54	10,366,147	10,569,355	64,347,722		1,656,883



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABL	UGHTON SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-202				
1986 1988 1996 2003 2009	364,018.89 3,959.86 17,470.33 3,490.52 14,285.33	262,637 2,806 11,179 1,905 5,911	213,594 2,282 9,092 1,549 4,807	154,065 1,717 8,554 1,976 9,621	11.78 11.78 11.80 11.82 11.83	13,079 146 725 167 813
	403,224.93	284,438	231,324	175,933		14,930
PROBABL	FALLS SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-205				
1925	7,819.04	5,484	8,132			
1931	204.75	141	213			
1936	149.70	101	156			
1955	38.94	24	40			
1973	1,755.38	925	1,826			
1974	1,514.34	790	1,575			
1979	1,798.79	883	1,871			
1980	695.98	337	724			
1988	10,126.51	4,309	10,532			
1990	4,756.58	1,943	4,947			
1993	6,909.64	2,632	7,186			
1994	51,895.57	19,257	53,971			
1996	19,439.38	6,817	20,217			
1997	54,425.22	18,499	56,602			
2003	3,772.48	1,007	3,923			
2009	939.40	165	977			
2013	2,205.24	224	2,294			
	168,446.94	63,538	175,185			

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

YEAR         COST         ACCRUED         RESERVE         ACCRUALS         LIFE         ACCRUAL           (1)         (2)         (3)         (4)         (5)         (6)         (7)           WEBER         INTERIM SURVIVOR CURVE IOWA 125-RI         PROBABLE RETIREMENT YEAR 12-2060           NET SALVAGE PERCENT5         NET SALVAGE PERCENT5           1911         49,714.82         36,058         52,201           1922         3,814.65         2,671         4,005           1923         1,548.66         1,080         1,626           1927         500.05         344         525           1937         235.30         155         247           1939         175.13         115         184           1940         53.06         35         56           1941         376.76         244         396           1951         2,118.02         1,300         2,224           1954         2,167.21         1,305         2,276           1956         1,787.60         1,063         1,877           1958         205.96         121         216           1962         663.30         377         <		ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
WEBER INTERIM SURVIVOR CURVE IOWA 125-R1 PROBABLE RETIREMENT YEAR 12-2060 NET SALVAGE PERCENT5  1911	YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
INTERIM SURVIVOR CURVE IOWA 125-R1 PROBABLE RETIREMENT YEAR 12-2060 NET SALVAGE PERCENT5  1911	(1)	(2)	(3)	(4)	(5)	(6)	(7)
PROBABLE RETIREMENT YEAR 12-2060 NET SALVAGE PERCENT5  1911	WEBER						
PROBABLE RETIREMENT YEAR 12-2060 NET SALVAGE PERCENT5  1911	INTERIM	SURVIVOR CURV	E IOWA 125-	·R1			
1911							
1922	NET SAL	VAGE PERCENT	-5				
1922							
1923       1,548.66       1,080       1,626         1924       24.62       17       26         1927       500.05       344       525         1937       235.30       155       247         1939       175.13       115       184         1940       53.06       35       56         1941       376.76       244       396         1949       3,993.94       2,480       4,194         1951       2,118.02       1,300       2,224         1954       2,167.21       1,305       2,276         1956       1,787.60       1,063       1,877         1958       205.96       121       216         1960       406.22       235       427         1962       663.30       377       696         1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.78       28         1984       3,	1911	49,714.82	36,058	52,201			
1924       24.62       17       26         1927       500.05       344       525         1937       235.30       155       247         1939       175.13       115       184         1940       53.06       35       56         1941       376.76       244       396         1949       3,993.94       2,480       4,194         1951       2,118.02       1,300       2,224         1954       2,167.21       1,305       2,276         1956       1,787.60       1,063       1,877         1958       205.96       121       216         1960       406.22       235       427         1962       663.30       377       696         1966       2,653.83       1,460       2,787         1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.78       28         1984       3,	1922	3,814.65	2,671	4,005			
1927	1923	1,548.66	1,080	1,626			
1937	1924	24.62	17	26			
1939	1927	500.05	344	525			
1940	1937	235.30	155	247			
1941	1939	175.13	115	184			
1949	1940	53.06	35	56			
1951       2,118.02       1,300       2,224         1954       2,167.21       1,305       2,276         1956       1,787.60       1,063       1,877         1958       205.96       121       216         1960       406.22       235       427         1962       663.30       377       696         1966       2,653.83       1,460       2,787         1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1992       148,291.09       55,775	1941	376.76	244	396			
1954       2,167.21       1,305       2,276         1956       1,787.60       1,063       1,877         1958       205.96       121       216         1960       406.22       235       427         1962       663.30       377       696         1966       2,653.83       1,460       2,787         1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1992       148,291.09       55,775       108,168       47,538       40.08       1,186	1949	3,993.94	2,480	4,194			
1956       1,787.60       1,063       1,877         1958       205.96       121       216         1960       406.22       235       427         1962       663.30       377       696         1966       2,653.83       1,460       2,787         1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307	1951	2,118.02	1,300	2,224			
1958       205.96       121       216         1960       406.22       235       427         1962       663.30       377       696         1966       2,653.83       1,460       2,787         1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26	1954	2,167.21	1,305	2,276			
1960       406.22       235       427         1962       663.30       377       696         1966       2,653.83       1,460       2,787         1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33	1956	1,787.60	1,063	1,877			
1962       663.30       377       696         1966       2,653.83       1,460       2,787         1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359	1958	205.96	121	216			
1966       2,653.83       1,460       2,787         1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2011	1960	406.22		427			
1967       1,013.18       552       1,064         1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2011       932.95       124       240       739       40.63       <	1962	663.30	377				
1977       402.45       197       382       41       39.54       1         1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2013       3,490.55       891       1,728       1,937       40.41       48         2017       21,230.90       243	1966	2,653.83	1,460	2,787			
1978       2,007.63       970       1,881       227       39.58       6         1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2003       3,490.55       891       1,728       1,937       40.41       48         2011       932.95       124       240       739       40.63       18         2017       21,230.90       243		1,013.18	552	1,064			
1982       7,964.86       3,636       7,052       1,312       39.74       33         1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2003       3,490.55       891       1,728       1,937       40.41       48         2011       932.95       124       240       739       40.63       18         2017       21,230.90       243       471       21,821       40.79       535	1977		197	382	41		1
1983       6,288.16       2,826       5,481       1,122       39.78       28         1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2003       3,490.55       891       1,728       1,937       40.41       48         2011       932.95       124       240       739       40.63       18         2017       21,230.90       243       471       21,821       40.79       535							
1984       3,787.49       1,675       3,248       728       39.81       18         1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2003       3,490.55       891       1,728       1,937       40.41       48         2011       932.95       124       240       739       40.63       18         2017       21,230.90       243       471       21,821       40.79       535	1982				1,312	39.74	33
1985       109,450.28       47,564       92,244       22,679       39.85       569         1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2003       3,490.55       891       1,728       1,937       40.41       48         2011       932.95       124       240       739       40.63       18         2017       21,230.90       243       471       21,821       40.79       535	1983	6,288.16	2,826		1,122	39.78	28
1986       790.00       337       654       176       39.88       4         1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2003       3,490.55       891       1,728       1,937       40.41       48         2011       932.95       124       240       739       40.63       18         2017       21,230.90       243       471       21,821       40.79       535							
1989       9,087.75       3,659       7,096       2,446       39.98       61         1992       148,291.09       55,775       108,168       47,538       40.08       1,186         1994       3,659.26       1,307       2,535       1,307       40.14       33         2001       661.21       185       359       335       40.35       8         2003       3,490.55       891       1,728       1,937       40.41       48         2011       932.95       124       240       739       40.63       18         2017       21,230.90       243       471       21,821       40.79       535	1985	109,450.28			22,679	39.85	569
1992     148,291.09     55,775     108,168     47,538     40.08     1,186       1994     3,659.26     1,307     2,535     1,307     40.14     33       2001     661.21     185     359     335     40.35     8       2003     3,490.55     891     1,728     1,937     40.41     48       2011     932.95     124     240     739     40.63     18       2017     21,230.90     243     471     21,821     40.79     535	1986	790.00	337		176	39.88	4
1994     3,659.26     1,307     2,535     1,307     40.14     33       2001     661.21     185     359     335     40.35     8       2003     3,490.55     891     1,728     1,937     40.41     48       2011     932.95     124     240     739     40.63     18       2017     21,230.90     243     471     21,821     40.79     535	1989	9,087.75	3,659	7,096	2,446	39.98	61
2001       661.21       185       359       335       40.35       8         2003       3,490.55       891       1,728       1,937       40.41       48         2011       932.95       124       240       739       40.63       18         2017       21,230.90       243       471       21,821       40.79       535		148,291.09		108,168	47,538	40.08	1,186
2003       3,490.55       891       1,728       1,937       40.41       48         2011       932.95       124       240       739       40.63       18         2017       21,230.90       243       471       21,821       40.79       535							
2011       932.95       124       240       739       40.63       18         2017       21,230.90       243       471       21,821       40.79       535					335		
2017 21,230.90 243 471 21,821 40.79 535				1,728	1,937		48
389,496.89 169,001 306,563 102,409 2,548	2017	21,230.90	243	471	21,821	40.79	535
		389,496.89	169,001	306,563	102,409		2,548



#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
YALE						
INTERI	M SURVIVOR CURV	E IOWA 125-	·R1			
	LE RETIREMENT Y		8			
NET SA	LVAGE PERCENT	-4				
1953	2,255,856.19	1,380,815	1,530,048	816,042	36.75	22,205
1954	1,161.38	707	783	424	36.80	12
1956	7,790.37	4,679	5,185	2,917	36.92	79
1959	25,630.53	15,081	16,711	9,945	37.08	268
1960	10,637.09	6,214	6,886	4,177	37.13	112
1961	5,888.54	3,415	3,784	2,340	37.18	63
1962	5,969.36	3,435	3,806	2,402	37.23	65
1963	1,194.75	682	756	487	37.28	13
1964	50,363.75	28,530	31,613	20,765	37.33	556
1965	24,675.64	13,862	15,360	10,303	37.38	276
1966	6,509.65	3,627	4,019	2,751	37.42	74
1968	75,220.35	41,165	45,614	32,615	37.51	870
1970	20,149.88	10,820	11,989	8,966	37.60	238
1971	28,250.71	15,022	16,646	12,735	37.64	338
1972	40,397.69	21,263	23,561	18,453	37.68	490
1973	47,946.46	24,972	27,671	22,193	37.72	588
1974 1975	53,388.86 19,154.30	27,502 9,756	30,474 10,810	25,050 9,110	37.76 37.80	663 241
1975	39,064.24	19,423	21,522	19,105	37.88	504
1978	32,133.93	15,782	17,488	15,932	37.88	420
1979	6,187.69	2,999	3,323	3,112	37.95	82
1981	2,831.51	1,335	1,479	1,465	38.02	39
1982	44,050.26	20,465	22,677	23,135	38.05	608
1984	2,367.61	1,066	1,181	1,281	38.12	34
1985	6,535.31	2,893	3,206	3,591	38.15	94
1986	1,937.75	843	934	1,081	38.18	28
1988	57,715.70	24,188	26,802	33,222	38.24	869
1989	58,967.08	24,226	26,844	34,482	38.27	901
1990	197,992.28	79,628	88,234	117,678	38.30	3,073
1992	106,230.99	40,821	45,233	65,247	38.36	1,701
1993	66,334.22	24,862	27,549	41,439	38.39	1,079
1994	792,261.16	289,215	320,472	503,479	38.42	13,105
1995	365,681.20	129,830	143,862	236,447	38.45	6,149
1996	132,105.75	45,565	50,489	86,900	38.47	2,259
1997	139,270.59	46,545	51,575	93,266	38.50	2,422
1998	23,485.02	7,589	8,409	16,015	38.53	416
1999	43,956.04	13,707	15,188	30,526	38.55	792
2000	62,083.32	18,624	20,637	43,930	38.58	1,139
2001	419,294.77	120,660	133,700	302,366	38.61	7,831

#### ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
YALE						
INTER	IM SURVIVOR CURV	E IOWA 125-	R1			
PROBA	BLE RETIREMENT Y	EAR 12-205	58			
NET S.	ALVAGE PERCENT	-4				
2002	160,009.27	44,057	48,819	117,591	38.63	3,044
2003	11,884.91	3,116	3,453	8,908	38.66	230
2004	98,176.43	24,406	27,044	75,060	38.68	1,941
2005	10,455.82	2,452	2,717	8,157	38.71	211
2006	491,240.55	108,063	119,742	391,148	38.73	10,099
2007	49,526.97	10,139	11,235	40,273	38.76	1,039
2008	84,045.14	15,880	17,596	69,811	38.78	1,800
2009	118,964.85	20,506	22,722	101,001	38.81	2,602
2010	542,702.58	84,323	93,436	470,974	38.83	12,129
2011	505,061.90	69,340	76,834	448,430	38.86	11,540
2012	31,398.12	3,734	4,138	28,516	38.88	733
2013	605,335.48	60,160	66,662	562,887	38.90	14,470
2014	1,166,360.03	92,141	102,099	1,110,915	38.93	28,536
2015	7,007,528.53	404,693	448,431	6,839,399	38.95	175,594
2016	89,741.92	3,169	3,511	89,820	38.98	2,304
2017	1,361,649.57	16,512	18,297	1,397,819	39.00	35,842
	_, _ , _ ,	,,	,	_, ,		,
	17,614,753.99	3,504,504	3,883,258	14,436,086		372,810
	, . ,	-,,	., ,	,,		,
	262,376,387.28	67,001,118	66,672,432	202,767,631		7,992,141
	. , ,	. , ,	,,	. , . , ,		, ,

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 25.4 3.05



### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	N/ST. ANTHONY IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1917	116,609.03	105,905	60,066	57,709	9.58	6,024
1956	2,886.96	2,485	1,409	1,506	9.80	154
1962	1,173.20	995	564	621	9.82	63
1980	1,938.52	1,533	869	1,088	9.87	110
1982	9,200.12	7,192	4,079	5,213	9.87	528
1985	4,964.98	3,804	2,158	2,857	9.88	289
1989	9,313.40	6,910	3,919	5,487	9.88	555
1992	233,800.94	168,327	95,471	140,668	9.89	14,223 576
1995	9,241.61	6,415	3,638	5,696	9.89	
2011 2012	10,654,178.03 16,918,839.14	4,207,872 6,023,188	2,386,591 3,416,189	8,374,129 13,671,839	9.92 9.92	844,166 1,378,210
2012	104,124.86	32,415	18,385	86,781	9.92	8,748
2013	41,875.88	10,890	6,177	36,118	9.92	3,641
2017	63,591.42	3,020	1,713	62,514	9.93	6,295
2017	03,371.42	3,020	1,713	02,514	7.75	0,200
	28,171,738.09	10,580,951	6,001,228	22,452,227		2,263,582
PROBAI	RIVER IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1908	11,927.12	10,444	9,229	2,937	14.69	200
1913	1,188,883.43	1,034,909	914,523	298,138	14.81	20,131
1915	1,331,135.83	1,155,928	1,021,464	336,294	14.85	22,646
1917	85,339.07	73,908	65,311	21,735	14.90	1,459
1919	100.23	87	77	25	14.94	2
1922	660,445.09	568,045	501,967	171,687	15.00	11,446
1923	192.02	165	146	50	15.02	3
1924	1,566,818.61	1,343,761	1,187,448	410,707	15.03	27,326
1929	1,970.90	1,677	1,482	528	15.12	35
1939	233.84	195	172	66	15.27	4
1941	938.81	780	689	268	15.30	18
1942	317.01	263	232	91	15.31	6
1944	918.11	758	670	267	15.34	17
1949	2,567.68	2,093	1,850	770	15.40	50
1950	819,750.69	666,475	588,947	247,199	15.41	16,041
1952	501,418.29	405,332	358,182	153,265	15.43	9,933
1953	874.23	705	623	269	15.44	17

### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBA	RIVER IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1955	4,615.05	3,697	3,267	1,440	15.46	93
1960	4,085.14	3,216	2,842	1,325	15.50	85
1962	855.12	668	590	282	15.52	18
1963	177,874.91	138,402	122,302	59,130	15.53	3,807
1966	28,657.93	22,013	19,452	9,779	15.55	629
1968	165,374.97	125,824	111,188	57,495	15.57	3,693
1972	84,687.01	63,091	55,752	30,629	15.60	1,963
1974	1,914,228.05	1,409,519	1,245,556	706,956	15.61	45,289
1978	62,394.88	44,742	39,537	24,105	15.63	1,542
1981	4,548.86	3,187	2,816	1,824	15.65	117
1984	1,410,291.27	961,736	849,862	588,635	15.67	37,564
1985	17,979.54	12,143	10,730	7,609	15.67	486
1987	36,846.06	24,364	21,530	16,053	15.68	1,024
1988	387,569.18	253,286	223,822	171,498	15.69	10,930
1989	7,926.69	5,119	4,524	3,562	15.69	227
1990	22,925.46	14,609	12,910	10,474	15.70	667
1991	3,041,341.93	1,912,239	1,689,797	1,412,371	15.70	89,960
1992	2,640,375.38	1,635,705	1,445,431	1,247,752	15.71	79,424
1994	56,242.49	33,735	29,811	27,557	15.72	1,753
1995	47,420.98	27,946	24,695	23,674	15.72	1,506
1996	53,101.66	30,714	27,141	27,023	15.72	1,719
1999	166,457.88	90,013	79,542	90,245	15.74	5,733
2003	32,618.13	15,651	13,830	19,440	15.75	1,234
2004	10,317.89	4,763	4,209	6,315	15.76	401
2005	322,241.04	142,620	126,030	202,656	15.76	12,859
2006	10,234.07	4,317	3,815	6,624	15.77	420
2007	568,087.76	227,179	200,752	378,697	15.77	24,014
2008	1,539,410.29	578,916	511,573	1,058,625	15.77	67,129
2009	574,020.78	200,856	177,491	408,010	15.78	25,856
2010	2,321,382.07	747,518	660,563	1,707,247	15.78	108,191
2011	3,125,272.90	911,609	805,566	2,382,212	15.78	150,964
2012	178,726.47	46,135	40,768	141,533	15.79	8,963
2013	374,054.72	82,851	73,213	308,322	15.79	19,526
2014	550,400.60	99,948	88,322	473,087	15.79	29,961
2015	1,679,906.05	229,215	202,552	1,510,953	15.80	95,630
2016	455,501.73	39,548	34,948	429,664	15.80	27,194
2017	2,820,341.52	86,533	76,467	2,800,281	15.80	177,233
	31,072,147.42	15,499,152	13,696,211	17,997,380		1,147,138

### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
BEND						
INTERI	M SURVIVOR CURV	E IOWA 125-	R1.5			
PROBABI	LE RETIREMENT Y	EAR 12-203	0			
NET SA	LVAGE PERCENT	-1				
1913	49,607.58	43,938	50,104			
1927	2,384.92	2,079	2,409			
1928	2,181.04	1,898	2,203			
1929	88.68	77	90			
1956	726.49	599	734			
1968	1,906.62	1,509	1,926			
1979	9,463.18	7,071	9,558			
2007	37,993.48	16,990	38,373			
2008	34,646.80	14,646	34,993			
2009	233,378.37	92,435	235,712			
2014	233,705.67	49,555	163,804	72,239	12.87	5,613
2016	412,137.83	42,671	141,049	275,211		21,384
2017	207,308.71	7,680	25,386	183,996	12.87	14,297
	1,225,529.37	281,148	706,339	531,445		41,294
DIG FO	217					
BIG FOR		T TOWN 10F	D1 F			
	M SURVIVOR CURV					
	LE RETIREMENT Y		13			
NET SAI	LVAGE PERCENT	-4				
1910	172,208.86	132,328	179,097			
1919	175.01	131	182			
1924	134.93	100	140			
1925	6,066.81	4,463	6,309			
1926	17,987.72	13,190	18,707			
1929	17,461.61	12,676	18,160			
1930	74.97	54	78			
1931	50,128.82	36,136	52,134			
1935	14,927.72	10,603	15,525			
1936	1,557.29	1,102	1,620			
1940	294.45	205	306			
1941	9,135.21	6,333	9,501			
1942	304.83	210	317			
1945	2,208.58	1,504	2,297			
1952	7,043.71	4,629	7,325			
1954	3,276.99	2,129	3,376	32	32.92	1
1955	28,324.57	18,299	29,019	439	32.97	13
1957	1,715.57	1,095	1,736	48	33.08	1
	,	,	,			

#### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		(3)	( - /	(3)	(0)	( , ,
BIG FOR	RK M SURVIVOR CURVE	7 TOWN 125_	D1 5			
	LE RETIREMENT YE					
	LVAGE PERCENT					
1958	1,472.18	934	1,481	50	33.13	2
1960	488.62	306	485	23	33.23	1
1961	4,957.50	3,082	4,887	268	33.28	8
1965	235.03	142	225	19	33.46	1
1970	132.70	77	122	16	33.67	
1975	2,951.56	1,626	2,579	491	33.86	15
1981	662.89	340	539	150	34.06	4
1985	2,772.22	1,339	2,123	760	34.18	22
1989	37,374.42	16,814	26,664	12,206	34.29	356
1991	129,424.87	55,885	88,623	45,979	34.34	1,339
1992	89,139.90	37,637	59,685	33,021	34.37	961
1993	87,666.66	36,156	57,336	33,837	34.39	984
1994	106,191.53	42,716	67,739	42,700	34.42	1,241
1995	1,009,481.95	395,546	627,258	422,603	34.44	12,271
1996	34,903.52	13,290	21,075	15,224	34.47	442
1998	20,706.79	7,410	11,751	9,784	34.52	283
2001	1,705,211.17	546,178	866,130	907,289	34.58	26,237
2004	17,211.14	4,782	7,583	10,316	34.65	298
2005	667,736.33	175,334	278,045	416,401	34.67	12,010
2007	113,213.35	26,068	41,339	76,403	34.71	2,201
2008	56,473.70	12,024	19,068	39,665	34.73	1,142
2009	7,153.46	1,394	2,211	5,229	34.75	150
2011	82,963.66	12,943	20,525	65,757	34.79	1,890
2012	2,948.00	398	631	2,435	34.81	70
2014	6,464.21	585	928	5,795	34.84	166
2015	275,032.67	18,209	28,876	257,158	34.86	7,377
2017	444,997.94	6,151	9,754	453,044	34.90	12,981
	5,240,995.62	1,662,553	2,593,493	2,857,143		82,467

CUTLER

INTERIM SURVIVOR CURVE.. IOWA 125-R1.5 PROBABLE RETIREMENT YEAR.. 12-2064 NET SALVAGE PERCENT.. -7

1914	223,261.70	163,833	238,890
1916	961.41	700	1,029
1927	1,672,852.65	1,166,798	1,789,952
1928	13,194.61	9,163	14,118



#### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CUTLER						
INTERIM	SURVIVOR CURV	E IOWA 125-	R1.5			
PROBABL	E RETIREMENT Y	TEAR 12-206	54			
NET SAL	VAGE PERCENT	-7				
1931	3,542.21	2,428	3,790			
1932	341.80	233	366			
1953	978.92	595	1,047			
1958	604.39	354	647			
1970	6,187.54	3,255	6,621			
1973	657.82	335	704			
1981	908.71	415	884	88	43.50	2
1984	69,358.74	30,184	64,301	9,913	43.66	227
1985	345,767.05	147,755	314,761	55,210	43.72	1,263
1986	378,811.34	158,921	338,548	66,780	43.77	1,526
1987	18,608.13	7,657	16,312	3,599	43.82	82
1989	78,528.94	30,987	66,011	18,015	43.92	410
1991	1,723,244.72	649,356	1,383,317	460,555	44.02	10,462
1992	6,548.16	2,408	5,130	1,877	44.06	43
1993	68,263.39	24,454	52,094	20,948	44.11	475
1994	313,519.73	109,278	232,794	102,672	44.15	2,326
1995	513,918.82	173,942	370,547	179,346	44.20	4,058
1996	46,548.41	15,275	32,540	17,267	44.24	390
1998	12,241.09	3,753	7,995	5,103	44.33	115
2001	90,385.86	24,559	52,318	44,395	44.45	999
2003	9,370.25	2,310	4,921	5,105	44.53	115
2004	24,020.79	5,601	11,932	13,770	44.57	309
2005	467,251.20	102,702	218,785	281,174	44.60	6,304
2006	40,550.77	8,339	17,764	25,625	44.64	574
2008	124,853.05	21,971	46,805	86,788	44.71	1,941
2010	915,626.15	131,792	280,755	698,965	44.78	15,609
2011	119,859.20	15,231	32,446	95,803	44.82	2,138
2012	57,859.56	6,343	13,512	48,397	44.85	1,079
2014	1,599,129.30	115,771	246,626	1,464,442	44.92	32,601
2015				004 400	4.4.05	4 456
	210,083.57	11,078	23,599	201,190	44.95	4,476
2017	210,083.57 1,505,680.14	11,078 16,642	23,599 35,452	201,190 1,575,625	44.95	4,476 35,006



### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		(3)	( - /	(3)	( 0 )	( , ,
EAGLE I		E TOWN 10E	D1 E			
	M SURVIVOR CURVI LE RETIREMENT Y					
	LE RETTREMENT TO LVAGE PERCENT		:0			
NEI SA	LVAGE PERCENI	-2				
1957	197,008.71	143,051	200,949			
1959	17,131.00	12,323	17,474			
1972	25,994.53	17,315	26,514			
1983	86,920.50	52,334	88,054	605	22.28	27
1986	5,482.45	3,181	5,352	240	22.31	11
1987	11,336.44	6,489	10,918	645	22.32	29
1988	52,515.21	29,629	49,852	3,714	22.33	166
1989	26,782.62	14,884	25,043	2,275	22.34	102
1990	36,153.62	19,770	33,264	3,613	22.35	162
1991	113,797.42	61,179	102,936	13,137	22.36	588
1992	8,904.65	4,702	7,911	1,171	22.37	52
1993	12,429.08	6,439	10,834	1,844	22.38	82
1994	353,924.51	179,693	302,341	58,662	22.39	2,620
1995	110,364.92	54,829	92,252	20,320	22.40	907
1996	8,274.52	4,017	6,759	1,681	22.41	75
1999	68,099.44	30,503	51,323	18,139	22.44	808
2001	31,666.82	13,289	22,359	9,941	22.46	443
2003	17,331.48	6,738	11,337	6,341	22.47	282
2010	31,666.81	7,831	13,176	19,124	22.53	849
2014	14,251.02	1,894	3,187	11,349	22.56	503
	1,230,035.75	670,090	1,081,834	172,802		7,706
GRANIT	F.					
	M SURVIVOR CURV	E TOWA 125-	R1.5			
	LE RETIREMENT Y					
	LVAGE PERCENT					
1896	43,969.69	38,384	41,945	2,904	15.93	182
1921	96.35	81	89	10	16.70	1
1923	1,972.94	1,663	1,817	195	16.74	12
1924	550.28	463	506	55	16.77	3
1926	210.02	176	192	22	16.81	1
1929	7,937.80	6,619	7,233	863	16.88	51
1930	13,080.92	10,887	11,897	1,445	16.90	86
1934	18,652.76	15,401	16,830	2,196	16.98	129
1941	31,789.37	25,839	28,236	4,189	17.10	245
1944	629.96	508	555	87	17.15	5
1945	2,677.06	2,154	2,354	377	17.17	22



### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

	ORIGINAL	CALCULATED	ALLOC. BOOK		REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GRANIT	E					
INTERI	M SURVIVOR CURV	E IOWA 125-	-R1.5			
PROBAB:	LE RETIREMENT Y	EAR 12-203	35			
NET SA	LVAGE PERCENT	-2				
	005 50				4 = 40	
1946	205.52	165	180	29	17.18	2
1957	4,314.58 9,463.45	3,342	3,652 6,700	749 2,953	17.33 17.58	43 168
1985 1986	18,270.35	6,131 11,703	12,789	2,953 5,847	17.50	332
1989	14,984.03	9,246	10,104	5,180	17.59	294
1991	13,344.73	8,003	8,746	4,866	17.62	276
1992	46,246.55	27,295	29,827	17,344	17.63	984
1993	11,306.59	6,565	7,174	4,359	17.63	247
1994	148,424.68	84,645	92,498	58,895	17.64	3,339
2000	3,091,625.06	1,535,513	1,677,976	1,475,482	17.67	
2004	57,267.00	24,732	27,027	31,386	17.69	1,774
2008	42,526.34			27,195	17.71	
2010	188,071.26		60,925	130,908	17.72	7,388
2017	16,867.59	462	505	16,700	17.75	941
	3,784,484.88	1,890,537	2,065,939	1,794,236		101,563
	H RIVER					
	M SURVIVOR CURV					
	LE RETIREMENT Y		20			
NET SA	LVAGE PERCENT	0				
1902	47,219.50	45,825	41,775	5,444	2.95	1,845
1906	3,321.08	3,221	2,936	385		131
1908	106,337.79	103,069	93,960	12,378	2.96	4,182
1924	261,158.84	252,102	229,822	31,337	2.97	10,551
1926	1,531.80	1,478	1,347	184	2.97	62
1927	399.72	385	351	49	2.97	16
1932	55.99	54	49	7	2.97	
1941	2,254.17	2,162	1,971	283	2.98	95
1942	8,412.82	8,065	7,352	1,061	2.98	356
1944	10,294.00	9,858	8,987	1,307		439
1949	5,032.03	4,806	4,381	651	2.98	218
1950	9,103.56	8,689	7,921	1,182	2.98	397
1954	4,692.79	4,468	4,073	620	2.98	208
1956	273,966.71	260,457	237,439	36,528	2.98	12,258
1963	8,578.87	8,109	7,392	1,187	2.98	398
1964 1965	6,742.33 8,436.49	6,367 7,959	5,804 7,256	938 1,181	2.98 2.98	315 396
T 2 0 3	0,430.49	1,939	7,230	Ι, ΙΟΙ	4.90	390

### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KT.AMAT	TH RIVER					
	IM SURVIVOR CURV	E IOWA 125-	R1.5			
PROBA	BLE RETIREMENT Y	EAR 12-202	20			
NET SA	ALVAGE PERCENT	0				
1966	3,974,981.44	3,745,267	3,414,276	560,705	2.99	187,527
1967	148,368.15	139,646	127,305	21,063	2.99	7,044
1968	73,415.64	69,022	62,922	10,494	2.99	3,510
1969	117,069.79	109,938	100,222	16,848	2.99	5,635
1970	1,075,672.94	1,008,917	919,753	155,920	2.99	52,147
1971	1,282,523.16	1,201,416	1,095,240	187,283	2.99	62,636
1972	27,903.91	26,105	23,798	4,106	2.99	1,373
1973	1,534,275.20	1,433,412	1,306,733	227,542	2.99	76,101
1986	22,201.14	20,220	18,433	3,768	2.99	1,260
1988	601,186.85	544,357	496,249	104,938	2.99	35,096
1989	102,494.03	92,505	84,330	18,164	2.99	6,075
1991	7,234.99	6,484	5,911	1,324	2.99	443
1992 1993	254,968.41	227,585	207,472 24,508	47,496	2.99	15,885
1993	30,247.67 469,071.30	26,884 415,001	378,325	5,740 90,746	2.99 2.99	1,920 30,350
1995	209,664.74	184,568	168,257	41,408	2.99	13,849
1996	14,625.46	12,805	11,673	2,952	2.99	987
1998	566,345.82	489,725	446,445	119,901	2.99	40,101
1999	143,003.90	122,777	111,926	31,077	2.99	10,394
2001	23,865.59	20,151	18,370	5,495	2.99	1,838
2002	81,935.67	68,504	62,450	19,486	2.99	6,517
2004	63,723.00	52,027	47,429	16,294	2.99	5,449
2006	3,445.34	2,727	2,486	959	2.99	321
2007	23,230.42	18,031	16,437	6,793	2.99	2,272
2008	117,864.90	89,398	81,497	36,368	2.99	12,163
2009	45,997.45	33,933	30,934	15,063	2.99	5,038
2016	55,273.86	18,466	16,834	38,440	2.99	12,856
2017	40,708.87	5,832	5,317	35,392	2.99	11,837
	11,868,838.13	10,912,777	9,948,352	1,920,486		642,493
INTER:	TH RIVER - ACCEL IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E SQUARE EAR 12-201	9			
1918 1919 1920	1,282,146.01 11,306.14 1,545.58	1,256,888 11,081 1,515	1,179,575 10,399 1,422	102,571 907 124	2.00 2.00 2.00	51,286 454 62
1720	1,313.30	1,515	±, ±22	121	2.00	72

### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			, ,	( - /	( - /	,
	RIVER - ACCEL					
	SURVIVOR CURVI E RETIREMENT Y		Q			
	VAGE PERCENT					
NET DIE	WINDE I BROBINI	0				
1923	351,541.00	344,254	323,078	28,463	2.00	14,232
1924	6,773.33	6,631	6,223	550	2.00	275
1925	2,400,404.15	2,349,612	2,205,084	195,320	2.00	97,660
1926	5,689.48	5,568	5,226	464	2.00	232
1927	495.34	485	455	40	2.00	20
1928	238.63	233	219	20	2.00	10
1936	675.65 16,957.53	659 16 541	618	57 1 424	2.00	28 717
1938 1953	2,431.15	16,541 2,358	15,524 2,213	1,434 218	2.00	109
1958	7,146,437.03	6,914,035	6,488,744	657,693	2.00	328,846
1959	22,818.00	22,064	20,707	2,111	2.00	1,056
1960	15,183.88	14,674	13,771	1,412	2.00	706
1961	2,297.55	2,219	2,083	215	2.00	108
1962	4,884,832.56	4,714,938	4,424,916	459,917	2.00	229,958
1963	5,315.75	5,128	4,813	503	2.00	252
1964	9,270.17	8,936	8,386	884	2.00	442
1965	2,455,212.35	2,365,106	2,219,625	235,587	2.00	117,794
1966	38,701.38	37,255	34,963	3,738	2.00	1,869
1968	1,803.45	1,733	1,626	177	2.00	88
1972 1973	3,345.84 2,574.75	3,205 2,464	3,008 2,312	338 262	2.00	169 131
1974	95,417.88	91,223	85,612	9,806	2.00	4,903
1976	6,174.77	5,891	5,529	646	2.00	323
1984	57,546.87	54,305	50,965	6,582	2.00	3,291
1986	26,858.94	25,255	23,702	3,157	2.00	1,578
1987	72,778.50	68,300	64,099	8,680	2.00	4,340
1988	124,476.48	116,573	109,402	15,074	2.00	7,537
1989	916,951.96	856,827	804,122	112,830	2.00	56,415
1990	446,725.92	416,438	390,822	55,904	2.00	27,952
1991	216,983.14	201,755	189,345	27,638	2.00	13,819
1992	454,034.48	421,013	395,116	58,919	2.00	29,460
1993	817,914.99	756,187	709,673	108,242	2.00	54,121
1994 1995	681,166.21 94,980.96	627,742 87,228	589,129 81,862	92,037 13,118	2.00	46,018 6,559
1996	458,603.27	419,572	393,764	64,840	2.00	32,420
1998	117,100.23	106,208	99,675	17,425	2.00	8,712
1999	130,451.29	117,724	110,483	19,969	2.00	9,984
2000	3,673.92	3,297	3,094	580	2.00	290
2001	12,827.26	11,441	10,737	2,090	2.00	1,045

### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	TH RIVER - ACCEL M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E SQUARE EAR 12-201	9			
2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017	2,122,512.07 28,803.17 1,807,993.49 1,146,643.01 316,783.05 2,655,405.63 638,042.70 49,965.46 193,520.78 760,181.15 596,340.76 92,341.46 1,188,307.92 1,712,305.98 261,258.84 208,652.44	1,879,930 25,312 1,574,708 988,487 269,852 2,230,541 527,081 40,448 152,779 581,318 437,315 63,929 756,192 951,289 111,968 41,730	1,764,293 23,755 1,477,846 927,684 253,253 2,093,337 494,660 37,960 143,381 545,560 410,415 59,997 709,678 892,774 105,081 39,163	358,219 5,048 330,148 218,959 63,530 562,068 143,383 12,005 50,139 214,621 185,926 32,345 478,630 819,532 156,178 169,489	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	179,110 2,524 165,074 109,480 31,765 281,034 71,692 6,002 25,070 107,310 92,963 16,172 239,315 409,766 78,089 84,744
	37,181,721.68	33,107,440	31,070,958	6,110,764		3,055,381
PROBAE	CHANCE M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	TEAR 12-203				
1983 1986 1992 1999 2005 2008 2009	529,111.21 72,321.10 7,016.62 115,306.90 29,449.53 178,635.99 25,703.78	360,706 47,861 4,304 61,741 12,906 66,520 8,906	412,002 54,667 4,916 70,521 14,741 75,980 10,173	122,400 18,377 2,171 45,939 15,003 104,442 15,788	15.66 15.68 15.71 15.74 15.76 15.77	7,816 1,172 138 2,919 952 6,623 1,001
	957,545.13	562,944	643,001	324,120		20,621



### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

MAN	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR (1)	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL (7)
( 1 )	( \( \alpha \)	(3)	(4)	(5)	(0)	( / )
LIFTON						
	M SURVIVOR CURVE					
	LE RETIREMENT YE		13			
NET SAI	LVAGE PERCENT	-2				
1913	1,370,708.46	1,193,186	1,055,500	342,622	14.81	23,135
1917	374,712.59	324,520	287,073	95,134	14.90	6,385
1919	3,527.55	3,047	2,695	903	14.94	60
1920	605.94	523	463	155	14.96	10
1922	133.46	115	102	34	15.00	2
1925	6,747.43	5,778	5,111	1,771	15.05	118
1926	25,867.16	22,115	19,563	6,821	15.07	453
1930	31.29	27	24	8	15.14	1
1932	4,659.69	3,944	3,489	1,264	15.17	83
1937	8,378.21	7,025	6,214	2,331	15.24	153
1945	1,354.10	1,115	986	395	15.35	26
1950	5,745.89	4,672	4,133	1,728	15.41	112
1952	4,188.83	3,386	2,995	1,277	15.43	83
1965	2,698.54	2,082	1,842	911	15.55	59
1970	2,341.98	1,764	1,560	828	15.58	53
1983	8,522.14	5,867	5,190	3,503	15.66	224
1990	8,600.56	5,481	4,849	3,924	15.70	250
1992	52,575.45	32,570	28,812	24,815	15.71	1,580
1993	28,613.39	17,453	15,439	13,747	15.71	875
1994	2,014,334.40	1,208,220	1,068,799	985,822	15.72	62,711
1995	410,760.28	242,067	214,134	204,841	15.72	13,031
1996	1,895,111.23	1,096,135	969,648	963,365	15.72	61,283
1997	599,150.34	339,344	300,186	310,947	15.73	19,768
1999	109,101.18	58,997	52,189	59,094	15.74	3,754
2001	5,272.95	2,700	2,388	2,990	15.75	190
2002	622,906.95	309,194	273,515	361,850	15.75	22,975
2006	78,444.55	33,089	29,271	50,743	15.77	3,218
2009	567,396.89	198,538	175,628	403,117	15.78	25,546
2011	43,057.09	12,559	11,110	32,808	15.78	2,079
2013	14,855.84	3,290	2,910	12,243	15.79	775
2017	13,852.00	425	376	13,753	15.80	870
	8,284,256.36	5,139,228	4,546,195	3,903,747		249,862



### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERWIN	Т					
INTERI PROBAE	M SURVIVOR CURV. BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-205				
1933	4,844,278.71	3,367,614	3,614,434	1,472,059	35.07	41,975
1949	364,481.39	234,641	251,838	130,867	36.53	3,582
1950	167.00	107	115	61	36.61	2
1952	346.72	219	235	129	36.76	4
1953	1,041.80	655	703	391	36.83	11
1958	759,255.51	462,028	495,891	301,327	37.18	8,105
1968	1,817.19	1,021	1,096	812	37.79	21 52
1973	4,152.79	2,219	2,382	1,979	38.05	26
1974 1978	2,083.95 9,722.01	1,101 4,897	1,182 5,256	1,006 4,952	38.10 38.29	129
1988	2,544.86	1,093	1,173	1,499	38.69	39
1990	939,836.07	387,399	415,792	571,036	38.76	14,733
1992	180,113.98	70,924	76,122	112,997	38.83	2,910
1993	110,587.71	42,464	45,576	70,541	38.87	1,815
1994	105,397.79	39,429	42,319	68,349	38.90	1,757
1995	181,601.60	66,088	70,932	119,750	38.93	3,076
1996	259,583.10	91,720	98,442	174,120	38.96	4,469
1997	27,452.92	9,396	10,085	18,741	39.00	481
1998	112,497.22	37,225	39,953	78,169	39.03	2,003
1999	290,557.70	92,783	99,583	205,502	39.06	5,261
2000	465,443.42	143,008	153,489	335,226	39.09	8,576
2001	6,537.44	1,926	2,067	4,797	39.12	123
2002	46,189.10	13,015	13,969	34,530	39.15	882
2003	100,749.62	27,055	29,038	76,749	39.17	1,959
2004	293,308.20	74,644	80,115	227,859	39.20	5,813
2005	26,068.61	6,259	6,718	20,654	39.23	526
2007	10,204.59	2,139	2,296	8,419	39.28	214
2008	250,847.18	48,490	52,044	211,346	39.31	5,376
2009	162,572.41	28,668	30,769	139,932	39.34	3,557
2010	29,163.27	4,635	4,975	25,647	39.36	652
2011	1,918,361.84	269,732	289,501	1,724,779	39.39	43,787
2012	350,946.14	42,734	45,866	322,627	39.41	8,186
2013	15,350,358.62	1,561,178	1,675,600	14,442,276	39.44	366,183
2014	1,108,327.02	89,806	96,388	1,067,355	39.46	27,049
2015	1,474,500.76	86,964	93,338	1,454,888	39.49	36,842
2016	245,992.95	8,960	9,617	248,676	39.51	6,294
2017	249,811.45	3,148	3,379	258,923	39.53	6,550
	30,286,902.64	7,325,384	7,862,278	23,938,970		613,020

#### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

1951       2,333,516.95       1,778,595       1,486,969       893,218       19.97       44         1952       4,761,236.58       3,615,635       3,022,800       1,833,661       19.99       93         1953       6,752,615.37       5,108,859       4,271,189       2,616,479       20.01       130         1954       4,153.63       3,130       2,617       1,620       20.03       1         1955       6,750,782.59       5,068,705       4,237,618       2,648,180       20.04       132         1956       7,263,487.53       5,431,360       4,540,811       2,867,946       20.06       142         1957       26,637.15       19,834       16,582       10,588       20.08         1958       135,273.87       100,311       83,864       54,116       20.09       2         1959       26,976.03       19,914       16,649       10,867       20.11         1960       5,149.00       3,784       3,164       2,088       20.12	UAL
NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 125-R1.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT2  1950    5,006,921.58    3,829,631    3,201,708	
INTERIM SURVIVOR CURVE IOWA 125-R1.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT2  1950	')
INTERIM SURVIVOR CURVE IOWA 125-R1.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT2  1950	
NET SALVAGE PERCENT2  1950	
1950       5,006,921.58       3,829,631       3,201,708       1,905,352       19.95       95         1951       2,333,516.95       1,778,595       1,486,969       893,218       19.97       44         1952       4,761,236.58       3,615,635       3,022,800       1,833,661       19.99       93         1953       6,752,615.37       5,108,859       4,271,189       2,616,479       20.01       130         1954       4,153.63       3,130       2,617       1,620       20.03         1955       6,750,782.59       5,068,705       4,237,618       2,648,180       20.04       133         1956       7,263,487.53       5,431,360       4,540,811       2,867,946       20.06       142         1957       26,637.15       19,834       16,582       10,588       20.08         1958       135,273.87       100,311       83,864       54,116       20.09       3         1959       26,976.03       19,914       16,649       10,867       20.11       20.01         1960       5,149.00       3,784       3,164       2,088       20.12	
1951       2,333,516.95       1,778,595       1,486,969       893,218       19.97       44         1952       4,761,236.58       3,615,635       3,022,800       1,833,661       19.99       93         1953       6,752,615.37       5,108,859       4,271,189       2,616,479       20.01       130         1954       4,153.63       3,130       2,617       1,620       20.03       1         1955       6,750,782.59       5,068,705       4,237,618       2,648,180       20.04       132         1956       7,263,487.53       5,431,360       4,540,811       2,867,946       20.06       142         1957       26,637.15       19,834       16,582       10,588       20.08         1958       135,273.87       100,311       83,864       54,116       20.09       2         1959       26,976.03       19,914       16,649       10,867       20.11         1960       5,149.00       3,784       3,164       2,088       20.12	
1951       2,333,516.95       1,778,595       1,486,969       893,218       19.97       44         1952       4,761,236.58       3,615,635       3,022,800       1,833,661       19.99       93         1953       6,752,615.37       5,108,859       4,271,189       2,616,479       20.01       130         1954       4,153.63       3,130       2,617       1,620       20.03       1         1955       6,750,782.59       5,068,705       4,237,618       2,648,180       20.04       132         1956       7,263,487.53       5,431,360       4,540,811       2,867,946       20.06       142         1957       26,637.15       19,834       16,582       10,588       20.08         1958       135,273.87       100,311       83,864       54,116       20.09       2         1959       26,976.03       19,914       16,649       10,867       20.11         1960       5,149.00       3,784       3,164       2,088       20.12	5,506
1952       4,761,236.58       3,615,635       3,022,800       1,833,661       19.99       93         1953       6,752,615.37       5,108,859       4,271,189       2,616,479       20.01       130         1954       4,153.63       3,130       2,617       1,620       20.03         1955       6,750,782.59       5,068,705       4,237,618       2,648,180       20.04       132         1956       7,263,487.53       5,431,360       4,540,811       2,867,946       20.06       142         1957       26,637.15       19,834       16,582       10,588       20.08         1958       135,273.87       100,311       83,864       54,116       20.09       2         1959       26,976.03       19,914       16,649       10,867       20.11         1960       5,149.00       3,784       3,164       2,088       20.12	4,728
1953       6,752,615.37       5,108,859       4,271,189       2,616,479       20.01       130         1954       4,153.63       3,130       2,617       1,620       20.03         1955       6,750,782.59       5,068,705       4,237,618       2,648,180       20.04       132         1956       7,263,487.53       5,431,360       4,540,811       2,867,946       20.06       142         1957       26,637.15       19,834       16,582       10,588       20.08         1958       135,273.87       100,311       83,864       54,116       20.09       2         1959       26,976.03       19,914       16,649       10,867       20.11         1960       5,149.00       3,784       3,164       2,088       20.12	1,729
1954       4,153.63       3,130       2,617       1,620       20.03         1955       6,750,782.59       5,068,705       4,237,618       2,648,180       20.04       132         1956       7,263,487.53       5,431,360       4,540,811       2,867,946       20.06       142         1957       26,637.15       19,834       16,582       10,588       20.08         1958       135,273.87       100,311       83,864       54,116       20.09       2         1959       26,976.03       19,914       16,649       10,867       20.11         1960       5,149.00       3,784       3,164       2,088       20.12	0,759
1955       6,750,782.59       5,068,705       4,237,618       2,648,180       20.04       132         1956       7,263,487.53       5,431,360       4,540,811       2,867,946       20.06       142         1957       26,637.15       19,834       16,582       10,588       20.08         1958       135,273.87       100,311       83,864       54,116       20.09       2         1959       26,976.03       19,914       16,649       10,867       20.11         1960       5,149.00       3,784       3,164       2,088       20.12	81
1956     7,263,487.53     5,431,360     4,540,811     2,867,946     20.06     142       1957     26,637.15     19,834     16,582     10,588     20.08       1958     135,273.87     100,311     83,864     54,116     20.09     20.09       1959     26,976.03     19,914     16,649     10,867     20.11       1960     5,149.00     3,784     3,164     2,088     20.12	2,145
1957     26,637.15     19,834     16,582     10,588     20.08       1958     135,273.87     100,311     83,864     54,116     20.09     2       1959     26,976.03     19,914     16,649     10,867     20.11       1960     5,149.00     3,784     3,164     2,088     20.12	2,968
1958       135,273.87       100,311       83,864       54,116       20.09       2         1959       26,976.03       19,914       16,649       10,867       20.11         1960       5,149.00       3,784       3,164       2,088       20.12	527
1959       26,976.03       19,914       16,649       10,867       20.11         1960       5,149.00       3,784       3,164       2,088       20.12	2,694
1960 5,149.00 3,784 3,164 2,088 20.12	540
	104
1961 17,184.55 12,570 10,509 7,019 20.14	349
1962 21,354.93 15,544 12,995 8,787 20.16	436
1963 229.61 166 139 95 20.17	5
	1,356
	2,206
1967 76,569.07 54,274 45,375 32,725 20.23	1,618
	4,797
1970 64,944.17 45,210 37,797 28,446 20.26	1,404
1971 184,386.27 127,503 106,597 81,477 20.28	4,018
1972 1,381,645.35 949,050 793,440 615,839 20.29 30	0,352
1973 92,785.20 63,289 52,912 41,729 20.30	2,056
1975 15,721.22 10,567 8,834 7,201 20.32	354
1976 131,115.12 87,435 73,099 60,639 20.33	2,983
1977 109,751.58 72,593 60,690 51,256 20.34	2,520
1979 1,098,326.26 713,727 596,701 523,592 20.37 25	5,704
	6,521
1981 1,384,321.94 882,576 737,865 674,143 20.39 33	3,062
	4,010
	7,348
	5,887
	0,852
	7,098
	9,341
	8,611
	0,687
	8,101
	5,568
1993 10,614.44 5,747 4,805 6,022 20.49	294

### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBA	N IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-205				
1994	369,420.58	196,159	163,996	212,813	20.50	10,381
1995	128,348.29	66,741	55,798	75,117	20.50	3,662
1996	408,314.74	207,782	173,713	242,768	20.51	11,837
1997	152,269.43	75,659	63,254	92,061	20.52	4,486
1998	11,321.43	5,481	4,582	6,966	20.53	339
1999	125,726.11	59,214	49,505	78,736	20.54	3,833
2000	173,714.20	79,432	66,408	110,780	20.54	5,393
2001	1,199,972.39	531,253	444,146	779,825	20.55	37,948
2002	373,013.53	159,312	133,191	247,283	20.56	12,027
2003	934,874.73	384,032	321,064	632,508	20.57	30,749
2004	2,465,118.98	970,491	811,365	1,703,056	20.57	82,793
2005	1,189,313.99	446,579	373,356	839,744	20.58	40,804
2006	4,402,038.61	1,567,217	1,310,249	3,179,830	20.59	154,436
2007	4,313,062.79	1,446,850	1,209,618	3,189,706	20.59	154,915
2008	11,352,282.17	3,558,675	2,975,179	8,604,148	20.60	417,677
2009	13,059,102.86	3,784,693	3,164,139	10,156,146	20.61	492,778
2010	8,763,955.91	2,321,519	1,940,873	6,998,362	20.61	339,561
2011	17,480,626.82	4,157,477	3,475,799	14,354,440	20.62	696,142
2012	69,684,352.21	14,577,395	12,187,223	58,890,816	20.62	2,856,005
2013	6,686,760.77	1,187,721	992,977	5,827,519	20.63	282,478
2014	4,018,074.45	576,732	482,169	3,616,267	20.64	175,207
2015	693,254.98	74,205	62,038	645,082	20.64	31,254
2016	1,574,952.73	105,399	88,117	1,518,334	20.65	73,527
2017	292,640.10	6,919	5,785	292,708	20.65	14,175
	199,510,865.29	71,822,330	60,046,033	143,455,050		6,981,726
PARIS INTERIM SURVIVOR CURVE IOWA 125-R1.5						
PROBABLE RETIREMENT YEAR 12-2024						
	ALVAGE PERCENT					
1910	23,776.30	22,347	24,014			
1916	19,028.74	17,828	19,219			
1922	142.16	133	144			
1924	304.26	284	307			
1925	21.56	20	22			
1926	528.70	492	534			
1936	2,451.08	2,263	2,476			

#### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PARIS						
	SURVIVOR CURV	E IOWA 125-	R1.5			
	E RETIREMENT Y					
NET SAL	VAGE PERCENT	-1				
1937	1,800.60	1,661	1,819			
1944	2,124.89	1,945	2,146			
1945	432.20	395	437			
1946	3,621.07	3,308 223	3,657 247			
1948 1951	244.24 1,224.62	1,111	1,237			
1983	560.26	468	566			
1987	31,011.25					
1994	8,793.80	6,806	8,882			
2014	6,142.61	2,060				
	10,102.00	684	10,203			
	,		,			
	112,310.34	87,363	113,433			
PIONEER						
INTERIM	SURVIVOR CURV	E IOWA 125-	R1.5			
PROBABL	E RETIREMENT Y	EAR 12-203	0			
NET SAL	VAGE PERCENT	-1				
1007	462 756 62	416 472	202 225	75 150	11 05	6 200
1897	463,756.63	416,473 151	393,235 143	75,159 34	11.95	6,289
1933 1936	174.72 4,747.98	4,083	3,855	940	12.47 12.50	3 75
1983	178,474.66	129,607	122,375	57,884	12.78	4,529
1984	138,171.11		93,992	45,561	12.78	3,565
1986	250,534.98	177,353		85,583	12.79	6,691
1987	161,049.95	112,937	106,635	56,025	12.79	
1988	102,549.22	71,184	67,212	36,363	12.80	
1989	953,681.90			344,703	12.80	26,930
1990	916,460.51	622,455	587,724	337,901	12.80	26,399
1991	828,883.83	556,142	525,111	312,062	12.81	24,361
1992	955,516.42	633,010	597,690	367,382	12.81	28,679
1993	835,007.91	545,821	515,366	327,992	12.81	25,604
1994	797,421.04	513,480	484,829	320,566	12.82	25,005
1995	940,803.78	596,505	563,222	386,990	12.82	30,186
2002	42,527.49	23,143	21,852	21,101	12.84	1,643
2003	56,915.78	30,036	28,360	29,125	12.84	2,268
2008	51,496.57	21,769	20,554	31,457	12.85	2,448
2009	204,723.31	81,085	76,561	130,210	12.85	10,133
2010	100,545.30	36,804	34,750	66,800	12.86	5,194

#### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	R M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
2011	48,661.52	16,246	15,340	33,809	12.86	2,629
2012	39,425.15	11,745	11,090	28,730	12.86	2,234
2014	71,270.77	15,112	14,269	57,715	12.87	4,484
2015	42,013.93	6,786	6,407	36,027	12.87	2,799
2017	20,490.46	759	717	19,979	12.87	1,552
	8,205,304.92	5,377,298	5,077,261	3,210,097		250,921
INTERIN PROBABI	CT #1, 2 AND 4 4 SURVIVOR CURVI LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1911	86,238.00	72,154	64,916	23,047	18.84	1,223
1928	875,748.84	710,761	639,460	253,803	19.42	13,069
1929	1,520.00	1,231	1,108	443	19.45	23
1932	8,170.62	6,573	5,914	2,420	19.54	124
1944	18,480.79	14,410	12,964	5,886	19.83	297
1953	56,073.00	42,423	38,167	19,027	20.01	951
1954	810.79	611	550	277	20.03	14
1955	819.17	615	553	282	20.04	14
1958	2,716.35	2,014	1,812	959	20.09	48
1964	6,398.48	4,611	4,148	2,378	20.18	118
1965	207,634.10	148,827	133,897	77,889	20.20	3,856
1966	49,539.86	35,318	31,775	18,756	20.21	928
1968	16,732.75	11,792	10,609	6,458	20.24	319
1979	13,111.51	8,520	7,665	5,708	20.37	280
1986	33,446.40	20,167	18,144	15,971	20.43	782
1987	87,040.93	51,808	46,611	42,171	20.44	2,063
1988	98,921.45	58,073	52,247	48,653	20.45	2,379
1989	76,229.09	44,107	39,682	38,071	20.46	1,861
1990	371,178.13	211,506	190,289	188,313	20.47	9,199
1991	176,287.89	98,842	88,927	90,887	20.48	4,438
1992	163,160.06	89,968	80,943	85,480	20.48	4,174
1993	365,055.18	197,647	177,820	194,536	20.49	9,494
1994	471,315.46	250,265	225,159	255,582	20.50	12,467
1995	198,341.25	103,137	92,791	109,517	20.51	5,340
1996	6,537.58	3,327	2,993	3,675	20.51	179
1997	92,438.83	45,930	41,322	52,965	20.52	2,581

### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI	CT #1, 2 AND 4 M SURVIVOR CURV					
	LE RETIREMENT Y LVAGE PERCENT		98			
1998	31,009.81	15,014	13,508	18,122	20.53	883
1999	26,307.80	12,390	11,147	15,687	20.54	764
2001	7,701,859.88	3,409,774	3,067,720	4,788,177	20.55	233,001
2002	81,602.17	34,852	31,356	51,878	20.56	2,523
2003	3,340,822.15	1,372,358	1,234,689	2,172,950	20.57	105,637
2004	6,502,621.72	2,560,013	2,303,203	4,329,471	20.57	210,475
2005	2,323,968.70	872,633	785,094	1,585,354	20.58	77,034
2006	2,902.49	1,033	929	2,031	20.59	99
2007	190,391.74	63,868	57,461	136,739	20.59	6,641
2008	138,077.02	43,284	38,942	101,897	20.60	4,946
2009	701,238.05	203,228	182,841	532,422	20.61	25,833
2010	1,124,669.09	297,918	268,032	879,130	20.61	42,656
2011	198,729.14	47,264	42,523	160,181	20.62	7,768
2012	5,051,358.13	1,056,703	950,699	4,201,686	20.62	203,768
2013	28,906.95	5,135	4,620	24,865	20.63	1,205
2014	37,457.52	5,376	4,837	33,370	20.64	1,617
2015	771,860.49	82,619	74,331	712,967	20.64	34,543
2016	2,372,950.64	158,803	142,873	2,277,537	20.65	110,292
2017	2,463,223.35	58,239	52,397	2,460,091	20.65	119,133
	36,573,903.35	12,535,141	11,277,669	26,027,712		1,265,039
PROSPE	CT #3					
INTERI	M SURVIVOR CURV	E IOWA 125-	R1.5			
	LE RETIREMENT Y		18			
NET SA	LVAGE PERCENT	-5				
1932	606,076.49	423,097	636,380			
1939	6,307.30	4,272	6,623			
1940	5,834.48	3,934	6,126			
1952	74,834.78	47,343	78,577			
1964	4,022.35	2,339	4,223			
1965	6,630.22	3,824	6,962			
1987	2,983.19	1,307	3,132			
1989	123,810.93	52,121	130,001			
1990	486,202.27	200,412	510,512			
1993	7,634.30	2,931	7,704	312	38.87	8
1994	559,648.32	209,361	550,305	37,326	38.90	960
1995	53,483.60	19,464	51,161	4,997	38.93	128



### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
DDOCDE	OT #2					
PROSPE	CI #3 M SURVIVOR CURVI	F T∩W∆ 125_	.p1 5			
	LE RETIREMENT Y					
	LVAGE PERCENT		, 0			
1121 011						
1996	2,088,606.87	737,979	1,939,776	253,261	38.96	6,501
1998	146.80	49	129	25	39.03	. 1
2006	100,873.70	22,701	59,670	46,248	39.26	1,178
2008	27,810.15	5,376	14,131	15,070	39.31	383
2010	3,162.20	503	1,322	1,998	39.36	51
2014	64,279.16	5,208	13,689	53,804	39.46	1,364
2015	111,902.71	6,600	17,348	100,150	39.49	2,536
2017	213,680.94	2,692	7,076	217,289	39.53	5,497
	4,547,930.76	1,751,513	4,044,847	730,480		18,607
SANTA	CLARA					
	M SURVIVOR CURV	E IOWA 125-	R1.5			
	LE RETIREMENT Y					
	LVAGE PERCENT					
1917	42,183.04	39,494	42,605			
1920	35,818.92	33,474	36,177			
1926	152,784.51	142,203	154,312			
1959	3,400.11	3,047	3,434			
1960	9,082.97	8,125	9,174			
1961	3,213.83	2,870	3,246			
1964	857.28	761	866			
1966	405.49	358	410			
1967	6,641.23	5,854	6,708			
1968	640.66	563	647			
1970	4,593.17	4,019	4,630	9	6.92	1
1971	490.06	428	493	2	6.92	
1972	751.89	654	753	6	6.93	1
1974	16,243.69	14,046	16,181	225	6.93	32
1976	1,645.52	1,414	1,629	33	6.93	5
1977	15,088.73	12,918	14,881	358	6.93	52
1983	7,916.96	6,609	7,614	383	6.94	55
1984	14,055.93	11,675	13,449	747	6.94	108
1986	78,950.45	64,876	74,736	5,003	6.94	721
1987	130,660.16	106,744	122,968	8,999	6.94	1,297
1988	4,206.05	3,415	3,934	314	6.94	45
1993	112,274.25	87,709	101,040	12,357	6.95	1,778
1994	85,644.21	66,286	76,361	10,140	6.95	1,459

### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	CLARA M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
1995 1996 2003 2004 2008 2009 2010 2013	80,682.70 9,938.93 120,799.34 27,181.36 5,571.48 82,181.59 84,514.05 715.07	61,818 7,532 81,896 17,980 3,223 45,294 43,929 281	71,214 8,677 94,343 20,713 3,713 52,178 50,606 324	10,276 1,362 27,664 6,740 1,914 30,825 34,753 399	6.95 6.95 6.95 6.96 6.96 6.96	1,479 196 3,980 968 275 4,429 4,993
	1,139,133.63	879,495	998,015	152,510		21,931
PROBAB	M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
1895 1924 1938	88,434.29 538.44 26.09	79,535 471 22	81,767 484 23	7,552 60 4	11.91 12.37 12.52	634 5
1939	414.81	355	365	54	12.53	4
1957 1985	30,840.27 4,048.40	25,345 2,891	26,056 2,972	5,092 1,117	12.66 12.79	402 87
1988	2,364.50	1,641	1,687	701	12.79	55
1993	32,823.58	21,456	22,058	11,094	12.81	866
1995	99,721.38	63,227	65,001	35,717	12.82	2,786
1997	74,520.49	45,640	46,921	28,345	12.82	2,211
2008	403,313.66	170,495	175,280	232,067	12.85	18,060
2012	1,155.55	344	354	813	12.86	63
2013	69,412.22	17,902	18,404	51,702	12.86	4,020
2014	3,716.78	788	810	2,944	12.87	229
2016	212,260.27	21,976	22,593	191,790	12.87	14,902
	1,023,590.73	452,088	464,775	569,052		44,324



### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBA	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-205				
1958 1963 1964 1966 1967 1988 1977 1984 1988 1989 1990 1991 1992 1995 1997 1998 1999 2000 2002 2004 2008 2010 2011 2012	35,722,534.20 54,096.41 38,661.34 163.84 1,439.65 6,877.09 3,416.98 628,814.37 1,064.00 24,182.48 10,171.90 13,401.17 136,132.60 609.55 5,005.94 85,042.96 96.21 33,480.69 3,609.92 160,883.52 160,883.52 169,677.16 71,734.62 3,468,418.07 83,329.55 1,630,886.84 2,845,068.50	22,152,204 32,320 22,912 95 831 3,936 1,776 295,763 484 10,586 4,364 5,629 55,909 245 1,856 29,661 32 10,895 1,130 46,197 44,003 14,131 623,260 13,496 233,680 353,039	22,586,455 32,954 23,361 97 847 4,013 1,811 301,561 493 10,794 4,450 5,739 57,005 250 1,892 30,242 33 11,109 1,152 47,103 44,866 14,408 635,478 13,761 238,261 359,960	15,636,657	37.18 37.50 37.56 37.68 37.74 37.79 38.24 38.62 38.69 38.73 38.76 38.80 38.83 39.00 39.03 39.03 39.05 39.15 39.20 39.31 39.36 39.39 39.41	420,566 665 479 2 18 89 48 9,633 17 390 166 222 2,285 10 89 1,558 2 633 69 3,194 3,487 1,586 78,183 1,916 38,253 68,111
2013 2015 2016 2017	1,343,470.63 403,657.23 208,121.00 432,296.52 47,586,344.94	139,238 24,261 7,725 5,551 24,135,209	141,967 24,737 7,876 5,660 24,608,333	1,295,546 407,177 214,813 456,897 26,309,056	39.44 39.49 39.51 39.53	32,849 10,311 5,437 11,558 691,826



### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	ANNUAL ACCRUAL (7)
PROBABL	UGHTON SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-202			
1986 1993	91,817.07 11,689.92	66,538 7,854	54,113 6,387	38,623 5,419	3,268 458
	103,506.99	74,392	60,500	44,042	3,726
PROBABL	FALLS SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-205			
2014 WEBER INTERIM	60,307.60 46.55 42.64 1,177.20 1,086.19 13,884.20 30,267.71 733,988.41 19,746.00 31,814.75 4,039.07 13,047.29 8,295.03 917,742.64 SURVIVOR CURV	34 31 760 663 7,259 12,930 286,311 6,173 9,545 797 2,348 687 371,235	49 45 1,236 1,140 14,578 31,781 770,688 20,733 33,405 4,241 13,700 8,710 963,630		
_	E RETIREMENT Y VAGE PERCENT		50		
1911 1915 1917 1921 1931 1942 1949 1964	170,318.11 6,741.02 14,267.99 177.72 20,499.32 203.30 430,410.65 32,134.66	128,948 5,038 10,591 130 14,435 136 277,438 18,652	182,240 7,213 15,267 190 21,934 218 460,539 34,384		



#### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
WEBER						
	M SURVIVOR CURV	E IOWA 125-	R1.5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
1965	18,764.29	10,797	20,078			
1966	13,731.97	7,833	14,693			
1981	22,961.99	11,024	24,569			
1982	2,399.52	1,135	2,542	26	40.17	1
1986	60,844.82	26,905	60,252	4,852	40.35	120
1988	15,728.53	6,694	14,991	1,839	40.43	45
1990	26,787.60	10,930	24,477	4,186	40.51	103
1995	76,483.60	27,484	61,549	20,289	40.70	499
1997	74,609.59	25,204	56,443	23,389	40.77	574
2004	274,842.44	68,753	153,968	140,113	41.00	3,417
2008	61,414.06	11,638	26,063	39,650	41.12	964
2013	88,220.28	8,759	19,615	74,780	41.26	1,812
2014	464,858.17	36,708	82,205	415,193	41.29	10,056
2015	122,599.87	7,059	15,808	115,374	41.32	2,792
2017	17,928.41	215	481	18,702	41.37	452
	2,016,927.91	716,506	1,299,720	858,393		20,835
YALE						
	M SURVIVOR CURV		R1.5			
	BLE RETIREMENT Y		8			
NET SA	ALVAGE PERCENT	-7				
1052	25 240 250 65	16 174 060	17 000 206	0 004 751	26 02	246 667
1953 1956	25,240,258.65 2,558.09	16,174,268 1,608	17,922,326 1,782	9,084,751 955	36.83 37.05	246,667 26
1961	97.64	59	65	39	37.03	1
1961	3,089.71	1,831	2,029	1,277	37.56	34
1967	98,361.75	56,808	62,948	42,299	37.74	1,121
1907	1,507.26	783	868	745	38.24	19
1988	4,527.89	1,982	2,196	2,649	38.69	68
1990	22,042.12	9,259	10,260	13,325	38.76	344
1992	11,782.85	4,728	5,239	7,369	38.83	190
1994	145,975.75	55,649	61,663	94,531	38.90	2,430
1995	54,808.84	20,326	22,523	36,123	38.93	928
1996	167,975.36	60,482	67,019	112,715	38.96	2,893
2000	29,581.65	9,262	10,263	21,389	39.09	547
2001	36,388.95	10,926	12,107	26,829	39.12	686
2002	11,852.40	3,403	3,771	8,911	39.15	228
2003	91,489.34	25,036	27,742	70,152	39.17	1,791
	,	- ,	, -	-,		,

### ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	M SURVIVOR CURV LE RETIREMENT V LVAGE PERCENT	YEAR 12-205				
2007	443,465.97	94,745	104,985	369,524	39.28	9,407
2008	31,345.13	6,175	6,842	26,697	39.31	679
2009	933,223.55	167,696	185,820	812,729	39.34	20,659
2010	41,560.93	6,731	7,458	37,012	39.36	940
2011	173,820.27	24,906	27,598	158,390	39.39	4,021
2012	812,839.29	100,864	111,765	757,973	39.41	19,233
2013	750,658.30	77,798	86,206	716,998	39.44	18,179
2015	804,416.50	48,347	53,572	807,153	39.49	20,439
2016	2,097,539.65	77,857	86,272	2,158,096	39.51	54,622
2017	854,410.58	10,971	12,157	902,063	39.53	22,820
	32,865,578.42	17,052,500	18,895,474	16,270,695		428,972
į	504,570,855.11	226,051,692	213,992,832	305,113,060		18,075,564

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 16.9 3.58



### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED (3)	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	/ST. ANTHONY					
	M SURVIVOR CURV					
	LE RETIREMENT Y		1 /			
NEI SA	LVAGE PERCENT	-2				
1917	15,290.09	13,865	7,864	7,732	9.21	840
1925	105,738.89	95,276	54,038	53,816	9.29	5,793
1939	197.67	176	100	102	9.42	11
1951	1,954.94	1,705	967	1,027		108
1965	6,554.38	5,541	3,143	3,543	9.60	369
1980 1982	780.39 167,325.97	622	353	443 95,856	9.69 9.70	46 9,882
1902	1,638,474.77	131,911 1,192,349	74,816 676,268	994,976		101,944
2007	5,739.32	2,992	1,697	4,157		422
2012	16,306.81	5,906	3,350	13,283		1,342
2015	6,550.00	1,335	757	5,924		597
2017	51,871.68	2,532	1,436	51,473		5,173
	·	•	•	•		
	2,016,784.91	1,454,210	824,789	1,232,332		126,527
BEAR R		05 0	. 0			
	M SURVIVOR CURV					
	LE RETIREMENT Y LVAGE PERCENT		13			
NEI SA	LVAGE PERCENT	-3				
1913	227,831.25	197,042	174,121	60,545	13.87	4,365
1915	392,830.43	338,971	299,540	105,075	13.93	7,543
1921	599.29	513	453	164	14.09	12
1923	250,082.92	213,667	188,812	68,773	14.15	4,860
1924	184,704.37	157,609	139,275	50,970	14.17	3,597
1925	19,922.69	16,975	15,000	5,520	14.20	389
1926	449.38	382	338	125	14.22	9
1928	752.61	639	565	211	14.27	15
1929	163.75	139	123	46	14.29	3
1940	2,749.97	2,286	2,020	812	14.53	56
1944 1947	1,033.87 440.72	853 361	754 319	311	14.60 14.66	21 9
1947	13,177.52	10,768	9,515	4,057	14.68	276
1949	16,660.58	13,580	12,000	5,160	14.70	351
1950	6,613.44	5,378	4,752	2,059	14.71	140
1951	7,548.70	6,122	5,410	2,365	14.73	161
1952	13,521.50	10,937	9,665	4,262	14.75	289
1953	6,208.41	5,008	4,425	1,969	14.77	133
1954	2,345.21	1,887	1,667	748	14.78	51

#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		( - /	,	( - /	( - /	,
BEAR F	KIVER IM SURVIVOR CURVI	7 TOWN 05_C	0			
	BLE RETIREMENT YE					
	ALVAGE PERCENT		J			
1121 01		J				
1955	4,473.98	3,588	3,171	1,438	14.80	97
1956	7,385.28	5,905	5,218	2,389	14.82	161
1963	480.59	375	331	164	14.93	11
1964	21,614.20	16,807	14,852	7,411	14.95	496
1968	3,136.21	2,397	2,118	1,112	15.01	74
1974	6,266.38	4,644	4,104	2,351	15.10	156
1980	189,739.73	135,106	119,390	76,042	15.19	5,006
1981	1,286,830.09	909,354	803,573	521,862	15.20	34,333
1982	511,342.08	358,349	316,664	210,018	15.22	13,799
1983	600,690.12	417,450	368,890	249,821	15.23	16,403
1985	543,363.74	370,671	327,553	232,112	15.26	15,210
1987	194,289.81 53,367.08	129,843	114,739	85,380	15.29	5,584
1992 1993	152,798.18	33,476 94,429	29,582 83,445	25,386 73,938	15.37 15.38	1,652 4,807
1995	189,664.84	113,349	100,164	95,191	15.30	6,177
1996	311,079.98	182,430	161,209	159,204	15.43	10,318
1997	532,631.23	306,092	270,486	278,124	15.45	18,002
2000	3,994.08	2,139	1,890	2,224	15.49	144
2004	42,328.97	19,895	17,581	26,018	15.56	1,672
2005	1,530,598.63	689,805	609,563	966,953	15.58	62,064
2007	4,272.16	1,742	1,539	2,861	15.61	183
2011	3,117,221.10	929,187	821,099	2,389,639	15.69	152,303
2012	104,908.92	27,717	24,493	83,563	15.71	5,319
2013	258,959.32	58,715	51,885	214,843	15.73	13,658
2014	283,381.22	52,571	46,456	245,427	15.75	15,583
2015	584,330.75	81,787	72,273	529,588	15.77	33,582
2017	2,957,409.93	93,333	82,476	2,963,656	15.82	187,336
	14,644,195.21	6,024,273	5,323,498	9,760,023		626,410
BEND						
	IM SURVIVOR CURVE	TOWA 95-S	0			
	BLE RETIREMENT YE					
	ALVAGE PERCENT					
1913	10,736.53	9,653	11,166			
1916	14,011.27	12,562	14,572			
1917	21,751.84	19,484	22,622			
1952	3,327.51	2,830	3,461			
	-,	,	-,			

#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PROBABI	M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1981	595.97	452	620			
1986	9,059.12	6,602	9,421			
1987	16,377.88	11,826	17,033			
2011	20,552.60	7,121	21,375			
2014	10,521.94	2,327	10,943			
	106,934.66	72,857	111,212			
PROBABI	RK M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-205				
1909	3,015.60	2,355	3,227			
1925	29,427.06	21,926	31,487			
1929	33,699.09	24,791	36,058			
1948	14,702.35	10,056	15,732			
1950	9,331.90	6,324	9,940	45	29.37	2
1951	874.90	590	927	9	29.46	
1952	348.54	234	368	5	29.54	
1957	2,052.52	1,341	2,108	88	29.94	3
1970	1,267.89	757	1,190	167	30.91	5
1983	2,543.88	1,318	2,072	650	31.82	20
1985	16,262.95	8,181	12,858	4,543	31.96	142
1995	394,467.92	162,374	255,210	166,871	32.66	5,109
1998	18,029.04	6,800	10,688	8,603	32.88	262
2001	706,530.39	239,194	375,951	380,036	33.10	11,481
2008	140,878.09	32,011	50,313	100,427	33.64	2,985
2009	3,709.20	773	1,215	2,754	33.72	82
2010	114,443.49	21,553	33,876	88,579	33.80	2,621
2012	3,689.83	535	841	3,107	33.98	91
2015	47,414.61	3,400	5,344	45,390	34.25	1,325
2017	42,917.88	657	1,033	44,889	34.45	1,303
	1,585,607.13	545,170	850,436	846,164		25,431



#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CUTLEF	{					
	IM SURVIVOR CURV	E IOWA 95-S	0			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
1927	407,522.94	287,126	444,200			
1936	1,304.30	883	1,422			
1955	6,623.22	4,045	7,219			
1956	2,268.66	1,377	2,473			
1958	11,886.89	7,114	12,957			
1959	11,612.76	6,901	12,658			
1964	16,625.40	9,506	18,122			
1981	281,917.59	133,945	256,464	50,826	39.42	1,289
1983	19,878.92	9,166	17,550	4,118	39.64	104
1995	24,549.18	8,772	16,796	9,963	41.01	243
2008	11,191,441.09	2,120,251	4,059,638	8,139,033	42.59	191,102
2011	23,586.31	3,250	6,223	19,486	42.99	453
2013	868.76	87	167	780	43.27	18
2017	30,672.91	377	722	32,712	43.87	746
	12,030,758.93	2,592,800	4,856,609	8,256,918		193,955
EAGLE	POINT					
INTERI	IM SURVIVOR CURV	E IOWA 95-S	0			
PROBAE	BLE RETIREMENT Y	EAR 12-204	0			
NET SA	ALVAGE PERCENT	-7				
1957	141,202.60	106,634	151,087			
1958	334.00	251	357			
1960	1,058.00	789	1,132			
1961	311.62	231	333			
1963	2,291.49	1,684	2,452			
1968	1,218.40	871	1,304			
1975	1,385.32	944	1,482			
1991	62,711.03	35,585	67,101			
1999	41,028.96	19,488	43,522	379	21.86	17
	0=4 = 44 :-		040 ===	a		
	251,541.42	166,477	268,770	379		17



#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLE	SURVIVOR CURV E RETIREMENT Y /AGE PERCENT	TEAR 12-203				
1982	598,783.08	407,605	445,422	177,312	17.00	10,430
2008	121,918.98	43,813	47,878	78,918	17.52	4,504
	720,702.06	451,418	493,300	256,230		14,934
PROBABLE	RIVER SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-202				
1903	11,618.00	11,335	10,333	1,401	2.91	481
1906	26,136.00	25,485	23,233	3,165	2.92	1,084
1908	4,665.68	4,548	4,146	566	2.92	194
1911	8,554.10	8,334	7,597	1,042	2.92	357
1924	100,716.02	97,832	89,186	12,537	2.94	4,264
1925	996.15	967	882	125	2.94	43
1926	43.94	43	39	5	2.94	2
1927	1,341.22	1,302	1,187	168	2.94	57
1929	1,105.93	1,073	978	139	2.94	47
1947	2,592.85	2,497	2,276	342	2.95	116
1951	11,327.43	10,886	9,924	1,517	2.96	512
1987	69,652.30	63,852	58,209	12,140	2.98	4,074
1991	4,873.76	4,410	4,020	902	2.98	303
1991	19,706.52	17,097	15,586	4,318	2.98	1,449
	19,700.32	16,235			2.99	1,449
2001 2004	1,409.25	1,163	14,800 1,060	4,428	2.99	121
2004					2.99	5,356
	31,186.71	16,987	15,486	16,013		
2017	29,737.95	4,291	3,912	26,124	3.00	8,708
	344,701.61	288,337	262,855	85,294		28,649
INTERIM PROBABLE	RIVER - ACCEL SURVIVOR CURV E RETIREMENT Y //AGE PERCENT	E SQUARE EAR 12-201	9			
1918 1919 1920	163,422.34 1,172.57 21.40	160,203 1,149 21	150,349 1,078 21	13,074 94	2.00	6,537 47



#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KLAMATH	RIVER - ACCEL	ERATED				
INTERIM	SURVIVOR CURV	E SQUARE				
PROBABL	E RETIREMENT Y	EAR 12-201	.9			
NET SAL	VAGE PERCENT	0				
1921	876.85	859	806	71	2.00	36
1923	37,992.75	37,205	34,916	3,076	2.00	1,538
1924	120.20	118	111	9	2.00	4
1925	304,935.53	298,483	280,123	24,813	2.00	12,406
1926	34,432.12	33,696	31,623	2,809	2.00	1,404
1927	7,791.40	7,623	7,154	637	2.00	318
1928	7,466.02	7,303	6,854	612	2.00	306
1929	10,401.14	10,171	9,545	856	2.00	428
1930	972.11	950	892	81	2.00	40
1935	105.17	103	97	9	2.00	4
1941	50.93	50	47	4	2.00	2
1951	18,062.97	17,536	16,457	1,606	2.00	803
1952	157,757.00	153,083	143,667	14,090	2.00	7,045
1955	203,581.83	197,269	185,135	18,447	2.00	9,224
1958	1,180,025.10	1,141,651	1,071,426	108,599	2.00	54,300
1961	29,262.53	28,262	26,524	2,739	2.00	1,370
1962	1,101,265.60	1,062,964	997,580	103,686	2.00	51,843
1963	5,647.43	5,448	5,113	535	2.00	268
1964	17,405.20	16,778	15,746	1,659	2.00	830
1965	1,128.25	1,087	1,020	108	2.00	54
1966	293.66	283	266	28	2.00	14
1969	1,366.04	1,312	1,231	135	2.00	68
1971	15,166.61	14,541	13,647	1,520	2.00	760
1973	110,470.55	105,719	99,216	11,254	2.00	5,627
1987	53,048.10	49,784	46,722	6,326	2.00	3,163
1988	25,878.01	24,235	22,744	3,134	2.00	1,567
1989	33,287.71	31,105	29,192	4,096	2.00	2,048
1990	596,294.48	555,866	521,674	74,621	2.00	37,310
1991	302,963.96	281,702	264,374	38,590	2.00	19,295
1992	193,327.36	179,267	168,240	25,087	2.00	12,544
1993	464,353.23	429,308	402,901	61,453	2.00	30,726
1994	1,064,772.05	981,262	920,903	143,869	2.00	71,934
1996	11,321.38	10,358	9,721	1,601	2.00	800
1997	2,201,045.47	2,005,395	1,882,040	319,005	2.00	159,502
1998	18,299.85	16,598	15,577	2,723	2.00	1,362
1999	6,412.86	5,787	5,431	982	2.00	491
2000	2,082,684.73	1,869,085	1,754,115	328,570	2.00	164,285
2001	30,557.31	27,254	25,578	4,980	2.00	2,490
2002	13,859.49	12,275	11,520	2,340	2.00	1,170

#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	H RIVER - ACCEL M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E SQUARE EAR 12-201	9			
2003 2004 2005 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017	259,826.91 1,691,648.71 4,208,958.29 457,896.19 20,238.50 142,433.38 136,515.97 210,591.19 58,138.83 112,176.95 11,073.45 17,613.81 176,830.37 6,511.74	228,333 1,473,375 3,628,417 384,633 16,719 115,303 107,775 161,041 42,635 77,661 7,047 9,786 75,784 1,302	214,288 1,382,746 3,405,228 360,974 15,691 108,211 101,146 151,135 40,012 72,884 6,614 9,184 71,122 1,222	45,539 308,903 803,731 96,923 4,548 34,223 35,370 59,456 18,126 39,293 4,460 8,430 105,708 5,290	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	22,770 154,452 401,866 48,462 2,274 17,112 17,685 29,728 9,063 19,646 2,230 4,215 52,854 2,645
	18,019,753.58	16,112,959	15,121,829	2,897,925		1,448,965
PROBAB	HANCE M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1983 1989 2006 2017	730,269.15 117,276.43 89,824.09 247,685.60 1,185,055.27	507,501 76,597 38,639 7,817	579,673 87,490 44,134 8,929	172,504 33,305 48,385 246,188	15.23 15.32 15.59 15.82	11,327 2,174 3,104 15,562
PROBAB	M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1917 1951 1953 1954 1956	46,374.14 3,030.35 3,232.67 2,463.31 3,649.86	39,533 2,434 2,582 1,962 2,890	34,971 2,153 2,284 1,736 2,557	12,330 938 1,013 777 1,166	13.99 14.73 14.77 14.78 14.82	881 64 69 53 79

#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
LIFTON						
INTERI	M SURVIVOR CURVE	E IOWA 95-S	0			
	LE RETIREMENT Y		3			
NET SAI	LVAGE PERCENT	-2				
1980	156,089.82	110,066	97,365	61,846	15.19	4,071
1986	2,279.09	1,524	1,348	977	15.28	64
1998	120,797.44	67,287	59,523	63,691	15.46	4,120
2005	350,331.43	156,353	138,311	219,027	15.58	14,058
2006	2,553,682.73	1,087,824	962,296	1,642,460	15.59	105,353
2007 2009	2,255,931.80 2,244,002.59	910,986 794,471	805,864 702,794	1,495,186 1,586,088	15.61 15.65	95,784 101,347
2011	11,567.50	3,415	3,021	8,778	15.69	559
2013	121,936.71	27,379	24,220	100,156	15.73	6,367
2017	10,826.92	338	299	10,744	15.82	679
	E 006 106 36	2 000 044	0 020 540	5 005 150		222 540
	7,886,196.36	3,209,044	2,838,742	5,205,178		333,548
MERWIN						
INTERI	M SURVIVOR CURVE	E IOWA 95-S	30			
PROBABI	LE RETIREMENT Y	EAR 12-205	8			
NET SAI	LVAGE PERCENT	-12				
1933	432,333.91	316,831	340,052	144,162	30.42	4,739
1949	1,446,187.75	986,740	1,059,060	560,670	32.28	17,369
1951	6,212.30	4,194	4,501	2,456	32.49	76
1954	2,052.99	1,363	1,463	836	32.80	25
1958	1,943,786.04	1,259,222	1,351,513	825,527	33.20	24,865
1967 1971	496.54 877,886.77	301 514,231	323 551,920	233 431,313	34.06 34.42	7 12,531
1971	111,709.09	60,720	65,170	59,944	35.05	1,710
1989	4,062.12	1,864	2,001	2,549	36.02	71
1991	2,890.48	1,272	1,365	1,872	36.20	52
1992	1,427.08	614	659	939	36.29	26
1993	34,681.50	14,571	15,639	23,204	36.38	638
1994	30,947.45	12,677	13,606	21,055	36.47	577
1995	170,384.33	67,957	72,938	117,893	36.56	3,225
1996	310,990.93	120,599	129,438	218,872	36.65	5,972
1997	740,213.96	278,441	298,849	530,191	36.74	14,431
1998	172,233.85	62,699	67,294	125,608	36.84	3,410
2000	1,536.94	521	559 5 355	1,162	37.02	31 318
2001 2002	15,331.31 774,190.05	4,989 241,208	5,355 258,887	11,816 608,206	37.12 37.21	16,345
2002	293,838.06	87,297	93,695	235,403	37.21	6,309
2000	273,030.00	01,201	73,073	255, 405	5,.51	0,307

#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
MERWIN						
	M SURVIVOR CURV	E IOWA 95-S	30			
	LE RETIREMENT Y					
NET SA	LVAGE PERCENT	-12				
2004	150,064.51	42,354	45,458	122,614	37.40	3,278
2005	120,166.01	32,026	34,373	100,213	37.50	2,672
2006	8,779.30	2,197	2,358	7,475	37.60	199
2007	36,927.12	8,616	9,247	32,111	37.70	852
2008	70,862.87	15,290	16,411	62,956	37.80	1,666
2009	8,298.07	1,638 10,341	1,758 11,099	7,536	37.90 38.01	199 1,420
2010	58,114.64 19,525.13	3,085	3,311	53,989		487
2011 2012	90,888.66	12,438	13,350	18,557 88,446	38.11 38.22	2,314
2012	6,123.51	560	601	6,257	38.45	163
2014	261,484.15	10,789	11,580	281,282	38.69	7,270
2010	45,650.14	638	685	50,443	38.82	1,299
2017	45,050.14	030	003	30,443	30.02	1,200
	8,250,277.56	4,178,283	4,484,519	4,755,792		134,546
MODELL	TIMD OTTA					
NORTH I	UMPQUA M SURVIVOR CURV	T TOWN OF C	10			
	M SURVIVOR CURV LE RETIREMENT Y					
	LVAGE PERCENT		00			
NEI DA	DVACE IERCENI	1				
1950	1,168,748.07	901,717	753,868	461,630	18.77	24,594
1951	199,597.92	153,501	128,332	79,250	18.80	4,215
1952	855,666.84	655,860	548,322	341,571	18.83	18,140
1953	1,500,543.03	1,146,204	958,267	602,297	18.86	31,935
1954	6,295.38	4,792	4,006	2,541	18.89	135
1955	546,298.46	414,324	346,390	221,761	18.92	11,721
1956	511,325.58	386,342	322,996	208,783	18.95	11,018
1958	2,433.32	1,825	1,526	1,005	19.00	53
1960	14,917.00	11,092	9,273	6,240	19.06	327
1961	22,248.17	16,474	13,773	9,365	19.08	491
1964	2,958.46	2,160	1,806	1,271	19.17	66
1966	4,819.79	3,484	2,913	2,100	19.22	109
1969	17,180.73	12,216	10,213	7,655	19.30	397
1971		2 2 4 2	0 544	1,961	10 25	1 0 1
	4,331.92	3,043	2,544		19.35	101
1973	62,070.24	43,043	35,985	28,568	19.40	1,473
1973 1974	62,070.24 243.55	43,043 168	35,985 140	28,568 113	19.40 19.42	1,473 6
1973 1974 1975	62,070.24 243.55 6,365.99	43,043 168 4,353	35,985 140 3,639	28,568 113 2,981	19.40 19.42 19.45	1,473 6 153
1973 1974	62,070.24 243.55	43,043 168	35,985 140	28,568 113	19.40 19.42	1,473 6

#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	UMPQUA M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1979 1987 1990 1992 1993 1994 1995 1996 1999 2001 2002 2003 2004 2005 2007 2008 2009 2011 2012 2013 2014 2015	100,205.56 92,266.10 219,889.10 235,439.89 146,725.05 71,124.83 161,047.18 2,745.86 89,318.69 1,490,495.83 1,561,116.99 257,387.73 1,333,449.34 63,286.90 286,981.51 52,014.20 7,082,204.34 5,413,837.29 2,902.96 982,918.18 97,169.15 931,300.02	66,365 56,160 128,336 133,058 81,459 38,760 85,991 1,435 43,307 679,664 687,984 109,164 541,998 24,557 99,584 16,884 2,128,333 1,337,668 631 181,794 14,587 103,926 245	55,484 46,952 107,293 111,241 68,103 32,405 71,892 1,200 36,206 568,223 575,179 91,265 453,130 20,531 83,256 14,116 1,779,362 1,118,338 528 151,986 12,195 86,886	48,730 49,005 121,391 133,616 84,491 41,565 95,598 1,656 56,685 981,892 1,048,382 176,418 933,658 45,288 215,205 39,979 5,586,130 4,512,053 2,492 870,249 88,861 881,666	19.55 19.75 19.83 19.88 19.91 19.93 19.96 20.06 20.12 20.14 20.17 20.20 20.23 20.29 20.32 20.35 20.41 20.44 20.48 20.51	2,493 2,481 6,122 6,721 4,244 2,086 4,789 83 2,826 48,802 52,055 8,747 46,221 2,239 10,606 1,967 274,503 221,071 122 42,493 4,333 42,903
2017	9,941.58	10,332,043	8,637,957	10,134	20.63	893,685
PROBAB	M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1910 1946 1984 2008	10,079.11 3,209.00 56,151.35 3,813.87	9,481 2,943 47,056 2,236	10,281 3,273 57,274 3,890			
	73,253.33	61,716	74,718			

#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PIONEE	R					
INTERI	M SURVIVOR CURV	E IOWA 95-S	0			
PROBAB:	LE RETIREMENT Y	EAR 12-203	0			
NET SA	LVAGE PERCENT	-2				
1897	27,836.76	24,862	23,475	4,919	11.20	439
1922	323.53	283	267	63	11.76	5
1953	6,428.72	5,351	5,052	1,505	12.19	123
1954	8,668.04	7,198	6,796	2,045	12.20	168
1984	68,543.14	49,826	47,046	22,868	12.51	1,828
1986	64,343.22	45,990	43,424	22,206	12.53	1,772
1989	15,835.03	10,991	10,378	5,774	12.56	460
1993	70,354.93	46,526	43,930	27,832	12.60	2,209
1999	173,816.42	103,582	97,802	79,490	12.66	6,279
2008	1,128,739.17	485,452	458,365	692,949	12.77	54,264
2012	47,175.61	14,317	13,518	34,601	12.82	2,699
2013	2,175.25	572	540	1,679	12.83	131
2014	1,656.58	359	339	1,351	12.85	105
	1,615,896.40	795,309	750,933	897,281		70,482
PROSPE	CT #1, 2 AND 4					
	M SURVIVOR CURV	E IOWA 95-S	0			
	LE RETIREMENT Y					
NET SA	LVAGE PERCENT	-4				
1011	10 188 00	15 004	12 605	5 000	15 04	200
1911	18,177.00	15,224	13,697	5,207	17.24	302
1928	288,623.55	234,993	211,420	88,749	18.02	4,925
1944 1954	26,330.13 9,783.64	20,673 7,447	18,599 6,700	8,784 3,475	18.59 18.89	473 184
1954	2,226.87	1,663	1,496	820	19.03	43
1961	10,541.31	7,806	7,023	3,940	19.03	206
1962	543.05	400	360	205	19.11	11
1963	63,073.83	46,275	41,633	23,964	19.14	1,252
1965	2,548.23	1,852	1,666	984	19.19	51
1966	94,818.83	68,542	61,666	36,945	19.22	1,922
1968	61,249.19	43,801	39,407	24,292		1,261
1970	53,942.76	38,132	34,307	21,794	19.32	1,128
1988	131,373.50	78,907	70,991	65,637	19.78	3,318
1990	64,654.23	37,735	33,950	33,291	19.83	1,679
1993	251,525.98	139,643	125,635	135,952	19.91	6,828
1996	95,226.01	49,776	44,783	54,252	19.98	2,715
1998	72,851.58	36,277	32,638	43,128	20.04	2,152
1999	83,930.52	40,694	36,612	50,676	20.06	2,526



#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERII PROBABI	CT #1, 2 AND 4 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-203				
2000 2002	178,287.40 113,210.48	83,947 49,892	75,526 44,887	109,893 72,852	20.09 20.14	5,470 3,617
2003	26,022.41	11,037	9,930	17,133	20.17	849
2004	12,343.78	5,017	4,514	8,324	20.20	412
2007	1,003,280.00	348,145	313,221	730,191	20.29	35,988
2010	1,218,207.78	334,801	301,215	965,721	20.38	47,386
2011	3,365.59	832	749	2,752	20.41	135
2015	17,353.25	1,936	1,742	16,306	20.55	793
2017	18,598.83	458	412	18,931	20.63	918
	3,922,089.73	1,705,905	1,534,776	2,544,197		126,544
PROBAB	M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-205				
1932	108,502.59	77,675	118,268			
1964	486.77	294	531			
1997	1,566,251.65	573,385	1,383,234	323,980	36.74	8,818
1998	45,450.64	16,102	38,844	10,697	36.84	290
1999	1,707.28	584	1,409	452	36.93	12
2008	2,900.34	609	1,469	1,692	37.80 37.90	45
2009 2010	1,031.34 4,086.66	198 708	478 1,708	647 2,746	37.90	17 72
2010	7,610.04	1,170	2,823	5,472	38.11	144
2014	3,320.40	296	714	2,905	38.45	76
2017	100,953.03	1,372	3,310	106,729	38.82	2,749
	1,842,300.74	672,393	1,552,787	455,321		12,223
	, - ,	,	, , -			,
PROBAB	CLARA M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
1917	3,357.66	3,117	3,391			
1920	20,781.33	19,261	20,989			
1926	11,134.73	10,284	11,246			



#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	CLARA M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
1966 1967 1980 1987 1989 1990 1992 1994 1998 2008	600.00 2,302.49 32,072.89 82,529.87 26,918.85 27,840.16 19,002.08 95,614.38 104,014.68 38,185.65	528 2,023 27,094 67,373 21,696 22,285 14,975 74,046 77,002 22,167	601 2,304 30,863 76,746 24,714 25,385 17,058 84,348 87,715 25,251	5 21 1,530 6,609 2,474 2,733 2,134 12,223 17,340 13,317	6.81 6.85 6.87 6.88 6.88 6.89 6.89 6.90	1 3 223 962 360 397 310 1,774 2,513 1,919
PROBABI	464,354.77  M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 12-203		58,384		8,462
1895 1957 1986 1987 1995 2011 2012 2017	28,974.90 11,256.70 60,937.40 5,495.88 405,257.01 4,245.93 1,621.58 3,121.97	26,171 9,368 43,982 3,930 262,754 1,457 497 118	26,905 9,631 45,216 4,040 270,128 1,498 511 121	2,939 1,963 17,549 1,620 147,287 2,875 1,159 3,094	11.14 12.23 12.53 12.54 12.62 12.81 12.82 12.90	264 161 1,401 129 11,671 224 90 240
PROBABI	M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-205				
1958 1964 1968 1970 1981	6,416,352.32 9,837.19 4,060.04 6,671.17 95,805.97	4,082,411 6,002 2,399 3,874 49,202	4,162,438 6,120 2,446 3,950 50,167	2,895,549 4,701 2,020 3,388 55,220	33.20 33.78 34.15 34.33 35.32	87,215 139 59 99 1,563

#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 12-205				
1987 1988 1989 1991 1992 1994 1997 1998 2000 2001 2002 2004 2005 2007 2008 2009 2010 2012 2014 2015 2017	68,039.78 832,170.26 3,698.77 892,281.47 1,427.08 38,970.48 132,802.76 1,620.56 4,617.20 437,974.99 346,781.43 399,025.91 452,794.47 13,146.37 148,496.71 160,598.70 361,323.09 174,615.61 5,319,748.77 82,964.40 18,633.68	31,817 382,092 1,667 385,655 603 15,678 49,063 579 1,537 139,965 106,114 110,610 118,522 3,013 31,469 31,140 63,148 23,470 477,969 5,451 256	32,441 389,582 1,700 393,215 615 15,985 50,025 590 1,567 142,709 108,194 112,778 120,845 3,072 32,086 31,750 64,386 23,930 487,339 5,558 261	42,403 525,805 2,369 588,295 955 26,882 96,058 1,192 3,512 339,064 273,265 326,150 377,229 11,389 131,260 144,908 333,070 168,147 5,364,385 85,703 20,236	35.85 35.94 36.02 36.29 36.47 36.74 36.84 37.02 37.12 37.21 37.40 37.50 37.70 37.80 37.90 38.01 38.22 38.45 38.57 38.82	1,183 14,630 66 16,251 26 737 2,615 32 95 9,134 7,344 8,721 10,059 302 3,472 3,823 8,763 4,399 139,516 2,222 521
INTERI PROBAB	16,424,459.18 AUGHTON M SURVIVOR CURVE LE RETIREMENT YE	EAR 12-202		11,823,156		322,986
NET SA 1986 2005	460,034.42 37,403.53 497,437.95	-2 336,540 19,418 355,958	273,696 15,792 289,488	195,539 22,360 217,898	11.60 11.77	16,857 1,900 18,757



### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABL	FALLS SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-205				
1924 1938 1959 1967 1997 2001	3,742.56 1,503.30 175.82 41,082.22 632,645.62 2,532.79	2,777 1,058 111 24,511 235,127 815	4,079 1,639 192 44,780 689,584 2,761			
2008 2012 2015	47,596.62 4,488.05 72,892.89	10,182 609 4,846	38,527 2,304 18,336	13,354 2,588 61,117	36.98 37.39 37.72	361 69 1,620
	806,659.87	280,036	802,201	77,058		2,050
PROBABL	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-206				
1911	29,976.65	23,322	33,274			
1924	322.43	239	358			
1925 1934	19,570.82 104.54	14,472 75	21,724 116			
1953	4,066.56	2,645	4,514			
1960	12,978.47	8,073	14,406			
1985	275,929.66	131,413	243,866	62,416	37.10	1,682
1990	361,799.06	156,956	291,267	110,330	37.58	2,936
1994	87,545.44	34,547	64,110	33,066	37.98	871
1996	27,749.40	10,355	19,216	11,586	38.17	304
2010	8,532.48	1,450	2,691	6,780	39.65	171
2011	3,611.34	545	1,011	2,997	39.76	75
2014	39,413.11	3,426	6,358	37,391		932
2017	65,138.30	864	1,603	70,700	40.53	1,744
	936,738.26	388,382	704,513	335,266		8,715



#### ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PROBA	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-205				
1953	3,817,078.60	2,525,650	2,798,614	1,438,343	32.70	43,986
1964	1,129.11	695	770	483	33.78	13,733
1970	4,163.68	2,440	2,704	1,918	34.33	56
1971	7,164.42	4,159	4,608	3,344	34.42	97
1986	20,561.40	9,874	10,941	11,882	35.76	332
1988	1,673,596.32	775,419	859,224	998,468	35.94	27,782
1990	34,010.10	15,152	16,790	20,962	36.11	581
1992	1,151.12	491	544	734	36.29	20
1994	369,931.30	150,182	166,413	244,211	36.47	6,696
1996	4,274,519.87	1,642,811	1,820,360	2,924,357	36.65	79,791
2001	9,456.28	3,049	3,379	7,118	37.12	192
2003	40,241.02	11,849	13,130	31,538	37.31	845
2004	108,375.53	30,315	33,591	86,705	37.40	2,318
2006	13,356.12	3,313	3,671	11,154	37.60	297
2008	54,014.84	11,551	12,799	47,157	37.80	1,248
2009	158,353.71	30,983	34,332	141,441	37.90	3,732
2011	1,826.73	286	317	1,711	38.11	45
2012	164,029.67	22,247	24,651	157,422	38.22	4,119
2013	3,286.77	373	413	3,235	38.34	84
2014	1,816,467.34	164,690	182,489	1,833,790	38.45	47,693
2017	49,185.19	681	755	53,841	38.82	1,387
	12,621,899.12	5,406,210	5,990,495	8,019,813		221,315
	132,392,617.44	62,558,168	63,507,066	76,414,594		4,664,548

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 16.4 3.52



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		(3)	( - )	(3)	(0)	(
	/ST. ANTHONY	. TOMA 70 T	0			
	M SURVIVOR CURVI LE RETIREMENT YI					
	LVAGE PERCENT		1			
NEI SA.	LVAGE PERCENI	-1				
1917	1,590.91	1,386	786	821	8.87	93
1925	15,921.01	13,788	7,820	8,260	8.95	923
1926	34.64	30	17	18	8.96	2
1941	721.37	615	349	380	9.09	42
1947	822.04	695	394	436	9.14	48
1948	114.47	97	55	61	9.15	7
1957	3,195.14	2,657	1,507	1,720	9.22	187
1959	909.92	753	427	492	9.24	53
1960	186.48	154	87	101	9.25	11
1965	2,276.26	1,858	1,054	1,245	9.28	134
1969	4,317.17	3,484	1,976	2,384	9.31	256
1981	8,368.88	6,425	3,644	4,808	9.40	511
1982	40,097.36	30,618	17,366	23,133	9.40	2,461
1983	187,886.68	142,613	80,886	108,879	9.41	11,571
1988	6,490.91	4,759	2,699	3,857	9.44	409
1989	380,133.59	276,368	156,748	227,186	9.45	24,041
1990	23,255.47	16,757	9,504	13,984	9.46	1,478
1992	294,272.37	207,976	117,958	179,257	9.47	18,929
1994	14,537.00	10,044	5,697	8,986	9.49	947
1995	17,749.40	12,109	6,868	11,059	9.50	1,164
2008	33,537.58	16,269	9,227	24,646	9.63	2,559
2009	112,677.13	51,611	29,272	84,532	9.64	8,769
2013	5,841.84	1,818	1,031	4,869	9.70	502
2014	102,547.30	26,665	15,124	88,449	9.72	9,100
2015	68,889.15	13,847	7,854	61,724	9.74	6,337
2017	35,876.54	1,727	980	35,256	9.79	3,601
	1,362,250.61	845,123	479,331	896,542		94,135
BEAR R	TVER					
	M SURVIVOR CURV	E IOWA 70-L	.0			
	LE RETIREMENT Y					
	LVAGE PERCENT					
1913	57,346.08	46,888	41,434	17,059	13.11	1,301
1915	98,508.93	80,380	71,030	29,449	13.16	2,238
1916	6,178.37	5,037	4,451	1,851	13.18	140
1918	10.35	8	7	3	13.23	
1922	35,456.89	28,711	25,371	10,795	13.32	810



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
BEAR RI	VER					
	SURVIVOR CURV	E IOWA 70-L	.0			
PROBABL	E RETIREMENT Y	EAR 12-203	3			
NET SAL	VAGE PERCENT	-2				
1923	6,947.79	5,620	4,966	2,120	13.34	159
1924	150,154.12	121,310	107,199	45,959	13.36	3,440
1925	95.00	77	68	29	13.38	2
1926	928.67	748	661	286	13.41	21
1929	295.56	237	209	92	13.47	7
1930	5,503.07	4,411	3,898	1,715	13.49	127
1931	274.53	220	194	86	13.51	6
1938	271.81	215	190	87	13.66	6
1941	10,545.40	8,305	7,339	3,417	13.72	249
1946	420.94	328	290	140	13.82	10
1947	1,621.17	1,261	1,114	539	13.84	39
1949	146.05	113	100	49	13.88	4
1950	1,758.81	1,359	1,201	593	13.90	43
1952	1,204.08	926	818	410	13.94	29
1953	8,556.29	6,562	5,799	2,929	13.96	210
1956	12,857.42	9,779	8,641	4,473	14.02	319
1958	1,031.32	780	689	363	14.05	26
1959	1,895.78	1,429	1,263	671	14.07	48
1961	1,079.22	808	714	387	14.11	27
1964	12,923.95	9,576	8,462	4,720	14.16	333
1968	83,457.46	60,842	53,765	31,362	14.23	2,204
1970	1,595.81	1,153	1,019	609	14.27	43
1974	8,153.87	5,770	5,099	3,218	14.34	224
1975	3,061.29	2,154	1,903	1,219	14.36	85
1976	1,193.13	835	738	479	14.37	33
1977	17,137.92	11,914	10,528	6,953	14.39	483
1980	20,213.19	13,770	12,168	8,449	14.44	585
1981	296,444.51	200,431	177,116	125,258	14.46	8,662
1982	72,551.83	48,682	43,019	30,984	14.47	2,141
1983	379,455.53	252,520	223,146	163,899	14.49	11,311
1984	16,197.86	10,685	9,442	7,080	14.51	488
1985	233,619.66	152,755	134,986	103,306	14.52	7,115
1987	73,419.36	47,058	41,584	33,304	14.56	2,287
1988	64,578.21	40,961	36,196	29,674	14.57	2,037
1989	13,848.43	8,683	7,673	6,452	14.59	442
1990	120,934.79	74,908	66,194	57,159	14.61	3,912
1992	4,229.14	2,552	2,255	2,059	14.64	141
1994	15,333.35	8,973	7,929	7,711	14.68	525
1995	16,290.68	9,375	8,284	8,332	14.70	567



### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	VER 1 SURVIVOR CURVI LE RETIREMENT YE LVAGE PERCENT	EAR 12-203				
1997	68,900.49	38,187	33,745	36,534	14.74	2,479
1999	99,339.91	52,687	46,558	54,769	14.78	3,706
2002	50,045.41	24,449	21,605	29,441	14.85	1,983
2003	55,587.40	26,273	23,217	33,482	14.87	2,252
2004	196,843.96	89,651	79,222	121,559	14.90	8,158
2005	155,686.54	68,032	60,118	98,682	14.93	6,610
2006	31,736.72	13,250	11,709	20,663	14.95	1,382
2007	144,675.68	57,304	50,638	96,931	14.98	6,471
2008	350,644.43	130,853	115,632	242,026	15.01	16,124
2009	851,445.34	296,341	261,869	606,605	15.04	40,333
2011	176,484.99	51,373	45,397	134,618	15.10	8,915
2012	233,307.68	60,226	53,220	184,754	15.14	12,203
2013	28,157.25 197,288.84	6,262 36,055	5,534	23,187	15.17	1,528
2014 2015	432,731.91	59,803	31,861 52,846	169,374 388,540	15.21 15.25	11,136 25,478
2015	285,402.41	25,201	22,269	268,841	15.25	17,571
2010	551,729.78	17,052	15,068	547,696	15.36	35,657
2017	331,723.70	17,052	13,000	347,000	13.30	33,037
	5,767,736.36	2,342,108	2,069,662	3,813,429		254,865
	1 SURVIVOR CURVI LE RETIREMENT YE					
	LVAGE PERCENT					
1913	1,085.98	921	1,108			
1916	687.78	582	702			
1917	3,286.44	2,779	3,352			
1928	1,457.73	1,219	1,487			
1936	111.47	92	114			
1942	245.57	202	250			
1947	1,006.10	819	1,026			
1948	66.75	54	68			
1950	1,026.45	831	1,047			
1953	786.60	633	802			
1954	7,326.60	5,881	7,473			
1955	42.70	34	44			
1958 1959	247.74 136.86	197 109	253 140			
エフンフ	130.00	109	140			



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABL	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1962 1973 1974 1981 1983 1984 1985 1986 1987 1990 1996 2002	204.84 2,028.79 2,100.72 11,064.81 79,890.83 85,777.67 9,019.69 1,271.73 86,970.97 273,697.19 40,870.14 17,172.24	161 1,532 1,578 7,994 56,931 60,674 6,330 885 59,975 183,200 25,224 9,301	209 2,069 2,143 11,286 81,489 87,493 9,200 1,297 88,710 279,171 41,688 17,516			
PROBABL	K SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-205				
1929 1962 1966 1974 1976 1977 1979 1981 1985 1986 1992 1993 1995 2008 2009 2010 2011	137.79 1,383.82 80,839.18 9,207.31 291.49 6,141.88 8,040.36 610.39 541.14 19,100.22 1,347.85 7,974.10 25,109.55 67,310.51 24,675.90 1,658.16 12,143.28	92 800 45,493 4,854 151 3,144 4,029 299 251 8,738 554 3,209 9,646 14,619 4,926 300 1,962	144 1,248 70,967 7,572 236 4,904 6,285 466 392 13,631 864 5,006 15,047 22,805 7,684 468 3,061	1 205 13,914 2,096 71 1,544 2,157 174 177 6,424 551 3,367 11,318 47,871 18,225 1,273 9,690	24.29 26.93 27.23 27.83 27.97 28.05 28.19 28.34 28.62 29.13 29.21 29.36 30.56 30.67 30.78 30.90	8 511 75 3 55 77 6 6 224 19 115 385 1,566 594 41 314



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	RK 1 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-205				
2012	43,437.73	6,121	9,548	36,061	31.03	1,162
2013	16,954.59	2,016	3,145	14,657	31.16	470
2014	75,647.14	7,219	11,261	68,168	31.31	2,177
	402,552.39	118,423	184,734	237,946		7,808
PROBABI	1 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-206				
1927	44,041.89	27,579	46,684			
1928	120.74	75	128			
1940	531.85	315	564			
1942	3,244.67	1,903	3,439			
1946	252.77	145	268			
1950	30,778.04	17,306	32,582	43	30.59	1
1954	268.67	148	279	6	31.06	
1958	1,980.43	1,060	1,996	104	31.52	3
1962	1,141.84	594	1,118	92	31.99	3
1964	13,767.26	7,047	13,267	1,326	32.22	41
1966	1,671.34	842	1,585	186	32.45	6
1967	10,418.02	5,202	9,794	1,249	32.56	38
1974	4,025.98	1,879	3,538	730	33.36	22
1975	9,771.69	4,513	8,497	1,861	33.47	56
1979	109,607.80	48,259	90,857	25,327	33.92	747
1981	11,188.16	4,798	9,033	2,826	34.14	83
1989	24,564.00	9,245	17,406	8,632	35.04	246
1992	37,676.25	13,317	25,072	14,865	35.38	420
2000	59,540.04	16,647	31,341	31,771	36.37	874
2007	123,392.15	23,958	45,106	85,690	37.37	2,293
2008	2,010,120.22	361,180	679,995	1,450,732	37.53	38,655
2009	54,616.87	8,990	16,926	40,968	37.70	1,087
2011	2,765.37	366	689	2,242	38.05	59
2012	32,431.95	3,735	7,032	27,346	38.23	715



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-206				
2014	38,258.74	2,977	5,605	34,949	38.63	905
2015	64,908.31	3,719	7,002	61,801	38.85	1,591
2017	28,908.29	362	682	29,961	39.35	761
	2,719,993.34	566,161	1,060,484	1,822,709		48,606
PROBABI	POINT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
1957	26,018.99	17,915	26,800			
1982	18,627.31	10,956	18,356	830	19.86	42
1986	9,270.07	5,216	8,739	809	19.99	40
1987	1,233.37	685	1,148	123	20.02	6
2002	7,453.08	2,993	5,015	2,662	20.58	129
2011	54,838.03	12,316	20,635	35,848	21.05	1,703
2014	18,051.94	2,460	4,122	14,472	21.25	681
2017	9,075.55	204	342	9,006	21.51	419
	144,568.34	52,745	85,155	63,750		3,020
GRANITI						
	M SURVIVOR CURV					
	LE RETIREMENT Y LVAGE PERCENT		5			
1897	165.37	136	149	22	13.89	2
1978	9,823.54	6,582	7,193	2,926	15.99	183
1980	1,850.92	1,222	1,335	571	16.03	36
1982	110,470.66	71,730	78,385	35,400	16.07	2,203
1984	8,301.78	5,293	5,784	2,767	16.11	172
1988	4,628.41	2,829	3,091	1,676	16.19	104
1995	17,332.81	9,546	10,432	7,421	16.35	454
2002	8,097.08	3,748	4,096	4,244	16.54	257
2009	43,496.91	14,123	15,433	29,369	16.77	1,751
2011	4,462.04	1,206	1,318	3,278	16.84	195



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL CALCULATED ALLOC. BOOK FUTURE BOOK YEAR COST ACCRUED RESERVE ACCRUALS (1) (2) (3) (4) (5)	REM. ANNUAL LIFE ACCRUAL (6) (7)
$(1) \qquad (2) \qquad (3) \qquad (4) \qquad (5)$	(0)
GRANITE	
INTERIM SURVIVOR CURVE IOWA 70-L0	
PROBABLE RETIREMENT YEAR 12-2035	
NET SALVAGE PERCENT3	
2014 3,668.52 613 670 3,109	16.98 183
	17.03 128
	17.16 135
217,060.22 117,401 128,293 95,279	5,803
KLAMATH RIVER	
INTERIM SURVIVOR CURVE IOWA 70-L0	
PROBABLE RETIREMENT YEAR 12-2020	
NET SALVAGE PERCENT 0	
1906 385.00 368 335 50	2.88 17
1908 478.83 457 417 62	2.89 21
1909 1,602.50 1,531 1,396 207	2.89 72
1911 517.44 494 450 67	2.89 23
1924 5,374.54 5,120 4,668 707	2.90 244
1926 102.14 97 88 14	2.90 5
1928 2,461.11 2,342 2,135 326	2.91 112
1940 71.18 67 61 10	2.92 3
1942 655.89 621 566 90	2.92 31
1943 30.14 29 26 4	2.92 1
1946 736.84 697 635 101	2.92 35
1947 716.66 678 618 99	2.92 34
1954 455.00 429 391 64	2.93 22
1955 15,009.77 14,128 12,879 2,130	2.93 727
1956 171.00 161 147 24	2.93 8
1957 27,844.72 26,176 23,863 3,982	2.93 1,359
1958 91.00 85 77 14	2.93 5
1959 1,446.21 1,358 1,238 208	2.93 71
1963 397.39 372 339 58	2.93 20 2.93 582
1964     11,558.11     10,809     9,854     1,704       1965     389.24     364     332     57	2.93 582 2.94 19
1967 4,750.68 4,429 4,038 713	2.94 243
1968 254.93 237 216 39	2.94 13
1969 3,164.38 2,944 2,684 481	2.94 164
1971 2,417.21 2,244 2,046 372	2.94 127
1973 1,615.63 1,496 1,364 252	2.94 86
1975 1,950.01 1,801 1,642 308	2.94 105
1978 2,459.76 2,262 2,062 398	2.94 135

#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KLAMATH	RIVER					
	SURVIVOR CURV	E IOWA 70-I	٥ـــــــــــــــــــــــــــــــــــــ			
PROBABL	E RETIREMENT Y	EAR 12-202	20			
NET SAL	VAGE PERCENT	0				
1980	772.68	708	645	127	2.95	43
1984	23,106.73	20,995	19,140	3,967	2.95	1,345
1985	515.38	467	426	90	2.95	31
1986	4,424.23	4,000	3,646	778	2.95	264 955
1987 1991	15,832.66 9,854.56	14,278 8,775	13,016 8,000	2,816	2.95 2.95	629
1991	31,698.18	28,118	25,633	1,855 6,065	2.95	2,056
1992	16,045.72	14,176	12,923	3,123	2.95	1,059
1997	345,968.20	299,397	272,938	73,031	2.96	24,673
2002	23,620.94	19,657	17,920	5,701	2.96	1,926
2002	155,538.90	128,052	116,735	38,804	2.96	13,109
2005	9,896.40	7,929	7,228	2,668		898
2007	30,503.95	23,583	21,499	9,005	2.97	3,032
2009	2,974.78	2,187	1,994	981	2.97	330
2010	90,805.23	64,571	58,865	31,941	2.97	10,755
2011	1,633.06	1,113	1,015	618	2.97	208
2012	24,137.64	15,573	14,197	9,941	2.97	3,347
2017	30,698.28	4,322	3,940	26,758	2.99	8,949
	,	•	,	•		•
	905,134.83	739,697	674,326	230,809		77,893
KIAMATH	RIVER - ACCEL	FRATED				
	SURVIVOR CURV					
	E RETIREMENT Y		_9			
NET SAL	VAGE PERCENT	0				
1010	20 056 65	20 240	28,388	2.460	2 00	1 224
1918 1923	30,856.65 53,632.69	30,249 52,521	49,290	2,468 4,342	2.00	1,234 2,171
1941	318.17	310	291	4,342	2.00	14
1952	121.23	118	111	10	2.00	5
1953	467.92	454	426	42	2.00	21
1955	12.63	12	11	1		21
1956	27.00	26	24	3	2.00	2
1957	9,333.75	9,035	8,479	855	2.00	428
1958	43,109.75	41,708	39,142	3,967	2.00	1,984
1959	22,160.72	21,428	20,110	2,051	2.00	1,026
1961	7,393.66	7,141	6,702	692	2.00	346
1962	143,458.28	138,469	129,952	13,507	2.00	6,754
1963	2,488.13	2,400	2,252	236	2.00	118



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
KLAMAT	TH RIVER - ACCEL	ERATED				
	IM SURVIVOR CURV BLE RETIREMENT Y		9			
	ALVAGE PERCENT					
1964	12,663.31	12,207	11,456	1,207	2.00	604
1966 1967	112,013.77 9,005.51	107,827 8,662	101,194 8,129	10,819 876	2.00	5,410 438
1967	13,750.50	13,206	12,394	1,357	2.00	678
1970	107.30	103	97	11	2.00	6
1971	7,766.90	7,447	6,989	778	2.00	389
1975	19,662.33	18,779	17,624	2,038	2.00	1,019
1984	5,009.37	4,727	4,436	573	2.00	286
1986	115,401.47	108,512	101,837	13,564	2.00	6,782
1987	126,554.61	118,766	111,461	15,094	2.00	7,547
1988	131,469.39	123,122	115,549	15,921	2.00	7,960
1989	103,644.51	96,849	90,892	12,753	2.00	6,376
1990	1,031,270.59	961,350	902,216	129,055	2.00	64,528
1991	239,297.46	222,504	208,817	30,480	2.00	15,240
1992	130,422.56	120,937	113,498	16,925	2.00	8,462
1993	3,458.23	3,197	3,000	458	2.00	229
1994	139,867.49	128,898	120,969	18,898	2.00	9,449
1996	186,853.37	170,950	160,435	26,419	2.00	13,210
1997 1998	110,835.10 585,810.34	100,983 531,318	94,771 498,636	16,064 87,174	2.00	8,032 43,587
1999	431,193.43	389,126	365,190	66,003	2.00	33,002
2001	1,398.33	1,247	1,170	228	2.00	114
2002	996,387.10	882,510	828,226	168,161	2.00	84,080
2004	2,347,651.47	2,044,734	1,918,960	428,692	2.00	214,346
2005	308,288.98	265,767	249,419	58,870	2.00	29,435
2006	13,062.97	11,128	10,444	2,619	2.00	1,310
2007	192,973.79	162,098	152,127	40,847	2.00	20,424
2008	6,378,069.88	5,268,860	4,944,765	1,433,305	2.00	716,652
2009	600,416.17	486,049	456,151	144,265	2.00	72,132
2010	116,511.23	91,982	86,324	30,187	2.00	15,094
2011	512,504.59	391,917	367,810	144,695	2.00	72,348
2012	106,767.13	78,296	73,480	33,287	2.00	16,644
2013	133,778.13	92,616	86,919	46,859	2.00	23,430
2014	281,110.71	178,888	167,884	113,226	2.00	56,613
2015	19,511.06	10,840	10,173	9,338	2.00	4,669
2016	167,917.03	71,964	67,537	100,380	2.00	50,190
2017	333,283.07	66,657	62,557	270,726	2.00	135,363
	16,339,069.76	13,658,894	12,818,717	3,520,353		1,760,181

#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABL	ANCE SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1983 1994 2004 2006 2009 2012 2013 2015 2017	88,206.88 3,354.00 126,269.42 5,287.29 25,602.70 7,010.02 3,374.96 9,272.97 4,270.99	58,700 1,963 57,508 2,207 8,911 1,810 751 1,282 132	67,048 2,242 65,686 2,521 10,178 2,067 858 1,464 151	22,923 1,179 63,108 2,872 15,936 5,083 2,585 7,994 4,206	14.49 14.68 14.90 14.95 15.04 15.14 15.17 15.25 15.36	1,582 80 4,235 192 1,060 336 170 524 274
PROBABL	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1960 1980 1981 1982 1984 1985 1987 1988 1989 2002 2010 2011 2013 2014 2017	1,731.89 84,640.87 8,777.67 2,843.04 65,217.79 60,172.40 3,198.48 5,777.17 3,182.63 7,577.75 37,750.14 7,445.84 13,390.14 75,257.77 32,935.70	1,301 57,661 5,935 1,908 43,020 39,344 2,050 3,664 1,996 3,702 12,117 2,167 2,978 13,754 1,018	1,151 51,007 5,250 1,688 38,056 34,804 1,813 3,241 1,766 3,275 10,719 1,917 2,634 12,167 901	616 35,326 3,703 1,212 28,466 26,572 1,449 2,652 1,481 4,454 27,786 5,678 11,024 64,596 32,694	14.09 14.44 14.46 14.47 14.51 14.52 14.56 14.57 14.59 14.85 15.07 15.10 15.17 15.21 15.36	44 2,446 256 84 1,962 1,830 100 182 102 300 1,844 376 727 4,247 2,129
	409,899.28	192,615	170,389	247,708		16,629



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MERWIN						
	M SURVIVOR CURVE	7. TOWA 70-T	.0			
	BLE RETIREMENT Y					
	LVAGE PERCENT					
1933	77,851.67	49,206	52,812	28,932	26.57	1,089
1958	89,090.55	49,992	53,656	39,889	29.01	1,375
1969	1,042.53	540	580	515	30.04	17
1977	24,776.39	11,880	12,751	13,265	30.77	431
1982	14,082.15	6,352	6,818	7,969	31.22	255
1986	22,757.14	9,683	10,393	13,502	31.57	428
1988	14,084.68	5,795	6,220	8,569	31.75	270
1990	44,613.00	17,687	18,983	27,860	31.93	873
1992	29,108.23	11,070	11,881	18,682	32.12	582
1995	336,771.06	119,315	128,060	225,550	32.40	6,961
1997	497,360.51	166,659	178,874	343,355	32.60	10,532
1998	18,921.63	6,150	6,601	13,267	32.70	406
1999	358,445.63	112,677	120,935	255,433	32.81	7,785
2000	35,858.76	10,889	11,687	25,965	32.91	789
2001	617,308.44	180,354	193,573	454,601	33.02	13,767
2002	1,212,412.58	339,734	364,634	908,399	33.13	27,419
2003	7,356.24	1,970	2,114	5,610	33.25	169
2004	56,265.67	14,347	15,399	43,680	33.36	1,309
2005	23,611.30	5,702	6,120	18,672	33.48	558
2006	201,218.56	45,715	49,066	162,214	33.61	4,826
2007	134,062.30	28,492	30,580	110,185	33.73	3,267
2008	435,279.31	85,837	92,128	364,915	33.86	10,777
2009	1,248,115.42	225,606	242,141	1,068,380	34.00	31,423
2010	171,101.90	28,026	30,080	149,577	34.14	4,381
2011	1,756,352.53	256,100	274,870	1,569,300	34.29	45,766
2012	143,470.40	18,225	19,561	131,083	34.44	3,806
2013	396,198.61	42,433	45,543	370,466	34.60	10,707
2014	258,902.26	22,253	23,884	247,963	34.77	7,132
2015	1,455,059.21	92,402	99,174	1,428,638	34.95	40,877
2016	157,306.32	6,196	6,650	158,522	35.15	4,510
2017	542,530.67	7,468	8,015	561,642	35.37	15,879
	10,381,315.65	1,978,755	2,123,782	8,776,599		258,366



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NORTH U	JMPQUA					
INTERI	M SURVIVOR CURV	E IOWA 70-L	0			
PROBABI	LE RETIREMENT Y	EAR 12-203	8			
NET SA	LVAGE PERCENT	-3				
1950	150,232.26	109,000	91,128	63,611	17.44	3,647
1951	48,821.02	35,315	29,525	20,761	17.47	1,188
1952	125,076.58	90,192	75,404	53,425	17.50	3,053
1953	219,169.23	157,538	131,707	94,037	17.53	5,364
1955	94,169.93	67,240	56,215	40,780	17.59	2,318
1956	3,151.37	2,242	1,874	1,372	17.62	78
1957	3,361.12	2,383	1,992	1,470	17.65	83
1958	2,821.07	1,993	1,666	1,239	17.68	70
1961	22,830.42	15,931	13,319	10,196	17.78	573
1962	4,142.50	2,878	2,406	1,861	17.81	104
1964	169.16	116	97	77	17.87	4
1965	4,545.23	3,116	2,605	2,077	17.89	116
1966	1,075.44	734	614	494	17.92	28
1967 1968	172.52 9,942.80	117 6,714	98 5,613	80 4,628	17.95 17.98	4 257
1970	1,251.72	836	699	590	18.04	33
1970	4,071.22	2,703	2,260	1,934	18.07	107
1971	2,704.06	1,784	1,491	1,294	18.10	71
1973	22,017.75	14,435	12,068	10,610	18.13	585
1976	7,665.55	4,925	4,117	3,778	18.21	207
1977	3,453.68	2,202	1,841	1,716	18.24	94
1978	13,029.27	8,243	6,891	6,529	18.27	357
1979	11,585.13	7,270	6,078	5,855	18.30	320
1981	27,727.82	17,105	14,300	14,259	18.35	777
1982	25,342.32	15,486	12,947	13,156	18.38	716
1985	50,158.77	29,729	24,855	26,809	18.46	1,452
1986	33,963.95	19,902	16,639	18,344	18.49	992
1987	37,670.02	21,818	18,241	20,559	18.51	1,111
1988	36,381.93	20,809	17,397	20,076	18.54	1,083
1989	8,505.08	4,799	4,012	4,748	18.57	256
1992	141,823.16	76,507	63,963	82,115	18.66	4,401
1993	218,977.51	116,139	97,096	128,450	18.69	6,873
1994	142,129.25	74,028	61,890	84,503	18.72	4,514
1995	804,416.46	410,935	343,556	484,993	18.75	25,866
1996	81,414.76	40,734	34,055	49,802	18.78	2,652
1997	207,494.68	101,553	84,902	128,818	18.81	6,848
1998	1,261,992.18	602,572	503,772	796,080	18.85	42,232
1999	1,959.67	912	762	1,256	18.88	67
2000	1,158.66	524	438	755	18.92	40



### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NORTH	UMPQUA					
	M SURVIVOR CURV					
	BLE RETIREMENT Y		8			
NET SA	ALVAGE PERCENT	-3				
2001	2,755.30	1,209	1,011	1,827	18.95	96
2002	271,203.51	115,007	96,150	183,190	18.99	9,647
2003	7,645.28	3,123	2,611	5,264	19.03	277
2004	3,229.10	1,266	1,058	2,268	19.07	119
2005	353,603.48	132,518	110,790	253,422	19.11	13,261
2006	108,978.93	38,810	32,447	79,802	19.15	4,167
2007	2,260,558.74	759,795	635,216	1,693,160	19.20	88,185
2008	325,698.97	102,543	85,730	249,740	19.24	12,980
2009	4,904,618.57	1,431,820	1,197,052	3,854,705	19.29	199,829
2010	196,307.04	52,484	43,878	158,318	19.34	8,186
2011	2,975,726.81	716,903	599,356	2,465,642	19.39	127,160
2012 2013	223,061.33	47,283	39,530 167,256	190,223	19.45	9,780
2013	1,102,521.56 86,620.16	200,058 12,740	10,651	968,342 78,568	19.50 19.57	49,659 4,015
2014	2,221,119.88	245,522	205,265	2,082,488	19.57	106,087
2015	462,369.77	32,003	26,756	449,485	19.71	22,805
2017	257,276.87	6,275	5,246	259,749	19.79	13,125
2017	2377270.07	0,2,3	3,210	2377,13	10.75	13,123
	19,599,870.55	5,990,818	5,008,537	15,179,330		787,919
PARIS	M GUDUTUOD GUDU	D TOTA 70 T	0			
	M SURVIVOR CURV					
	BLE RETIREMENT Y ALVAGE PERCENT		4			
NEI SE	MIVAGE PERCENI	-1				
1910	113.61	103	115			
1926	3,759.24	3,399	3,797			
1957	469.21	412	474			
1962	1,431.27	1,247	1,446			
1978	2,671.10	2,237	2,698			
1981	59,795.95	49,516	60,394			
1984	12,153.87	9,931	12,275			
1989	3,563.82	2,831	3,599			
2002	7,818.73	5,359	7,897			
2009	56,119.44	30,769	56,681			
2011	2,897.41	1,397	2,926	O E44	6 07	270
2014	11,487.60	3,849	9,059	2,544	6.87	370
	162,281.25	111,050	161,360	2,544		370

### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLE	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1897	9,225.46	7,910	7,469	1,941	10.78	180
1916	81.70	69	65	18	11.11	2
1922	2,167.49	1,824	1,722	489	11.20	44
1925	1,374.43	1,153	1,089	313	11.25	28
1930	386.98	323	305	90	11.33	8
1951	346.19	280	264	89	11.62	8
1958	2,480.43	1,972	1,862	668	11.71	57
1959	1,236.69	981	926	335	11.72	29
1963	80,473.32	63,080	59,560	22,522	11.77	1,914
1978	9,739.26	7,166	6,766	3,168	11.95	265
1984	1,067.47	755	713	376	12.01	31
1987	16,499.35	11,378	10,743	6,086	12.05	505
1989 1995	94,892.48 18,538.39	64,194	60,612	36,178 7,927	12.07	2,997 653
1995	94,282.50	11,631 57,208	10,982 54,016	42,152	12.14 $12.17$	3,464
2000	33,703.71	19,217	18,145	16,233	12.17	1,328
2002	96,557.50	52,298	49,380	49,109	12.25	4,009
2002	6,493.69	3,049	2,879	3,745	12.32	304
2009	69,840.91	27,729	26,182	45,056	12.38	3,639
2012	5,010.03	1,504	1,420	3,690	12.45	296
2015	399,676.66	65,761	62,092	345,578	12.53	27,580
2017	22,634.37	847	800	22,287	12.61	1,767
	966,709.01	400,329	377,992	608,051		49,108
INTERIM PROBABLE	r #1, 2 AND 4 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1911	4,210.98	3,264	2,937	1,359	16.08	85
1928	2,916.75	2,204	1,983	992	16.70	59
1944	9,515.00	6,952	6,255	3,451	17.24	200
1956	25,348.78	17,862	16,070	9,786	17.62	555
1958	5,482.50	3,835	3,450	2,142	17.68	121
1959	1,772.02	1,235	1,111	696	17.71	39
1960	20,276.00	14,068	12,657	8,025	17.75	452
1963	6,606.80	4,526	4,072	2,667	17.84	149
1965	17,139.79	11,637	10,470	7,013	17.89	392

#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERII PROBAB	CT #1, 2 AND 4 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1966	3,200.00	2,162	1,945	1,319	17.92	74
1973	171.19	111	100	75	18.13	4
1976	245.15	156	140	110	18.21	6
1977	2,307.36	1,457	1,311	1,043	18.24	57
1986	32,882.53	19,081	17,167	16,373	18.49	886
1987	3,021.58	1,733	1,559	1,523	18.51	82
1988	2,531.75	1,434	1,290	1,292	18.54	70
1990	638,696.43	351,905	316,603	334,867	18.60	18,004
1993	414,082.38	217,484	195,667	226,697	18.69	12,129
1996	25,930.44	12,848	11,559	14,890	18.78	793
1998	19,080.37	9,022	8,117	11,345	18.85	602
1999	3,597.09	1,658	1,492	2,177	18.88	115
2001	125,760.61	54,637	49,156	79,120	18.95	4,175
2002	90,846.55	38,150	34,323	58,341	18.99	3,072
2003	1,685.27	682	614	1,105	19.03	58
2004	1,747.78	679	611	1,172	19.07	61
2005	55,876.21	20,737	18,657	38,337	19.11	2,006
2006	8,620.48	3,040	2,735	6,058	19.15	316
2008	115,614.48 70,702.77	36,047	32,431	85,496	19.24	4,444
2009 2010	5,825.59	20,440 1,542	18,390 1,387	53,727 4,555	19.29 19.34	2,785 236
2010	426,913.46	101,852	91,635	343,817	19.34	17,732
2011	4,344,207.67	911,919	820,439	3,610,653	19.39	185,638
2012	285,497.50	51,302	46,156	245,052	19.43	12,567
2013	18,485.29	2,692	2,422	16,433	19.50	840
2014	13,088.03	316	284	13,065	19.79	660
2017	13,000.03	310	204	13,003	17.77	000
	6,803,886.58	1,928,669	1,735,193	5,204,771		269,464
PROSPE						
	M SURVIVOR CURV					
	LE RETIREMENT Y		8			
NET SA	LVAGE PERCENT	-5				
1934	21,072.85	13,269	22,126			
1958	344.71	193	362			
1959	8,549.43	4,768	8,977			
1965	13,833.85	7,400	14,526			
1969	6,871.25	3,561	7,215			



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	CT #3 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-205				
1971	1,371.24	698	1,440			
1973	1,442.50	721	1,515			
1982	1,589.91	717	1,669			
1987	1,233.38	516	1,216	79	31.66	2
1990	4,077.99	1,617	3,810	472	31.93	15
1994	112,485.95	40,860	96,266	21,844	32.31	676
1998	232,725.21	75,640	178,208	66,153	32.70	2,023
2001	1,051.38	307	723	381	33.02	12
2002	5,991.94	1,679	3,956	2,336	33.13	71
2004	19,139.24	4,880	11,497	8,599	33.36	258
2008	8,434.72	1,663	3,918	4,938	33.86	146
2009	2,450.63	102 443	1,044 432,202	1,529	34.00	45
2012 2017	1,444,136.60 2,497.65	183,447 34	432,202	1,084,141 2,542	34.44 35.37	31,479 72
2017	2,497.05	34	00	2,342	33.37	12
	1,889,300.43	342,413	790,750	1,193,015		34,799
PROBAB	CLARA M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
1917	4,607.08	4,184	4,653			
1920	66.09	60	67			
1959	88.50	78	89	1	6.62	
1960	65.41	57	65	1	6.63	
1965	3,047.91	2,641	2,997	81	6.65	12
1966	227.32	197	224	6	6.65	1
1971	140.25	120	136	5	6.67	1
1981	212.96	176	200	15	6.70	2
1982	1,972.41	1,626	1,845	147	6.71	22
1984	1,667.89	1,363	1,547	138	6.71	21
1985 1986	2,045.14 31,482.99	1,663 25,463	1,887 28,899	178 2,899	6.72 6.72	26 431
1987	147,212.65	118,417	134,397	14,287	6.72	2,126
1988	4,162.19	3,327	3,776	428	6.73	64
1989	3,085.45	2,451	2,782	335	6.73	50
1994	85,224.20	65,109	73,895	12,181	6.75	1,805
1995	176,144.98	133,298	151,286	26,620	6.75	3,944

#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SANTA C INTERIM PROBABL		E IOWA 70-L EAR 12-202	0		( )	` '
1997 1999 2002 2008 2009 2010 2011 2015 2017	6,984.02 104,022.41 18,617.59 2,909.18 46,143.65 31,858.05 14,549.85 15,455.05 6,664.80	5,170 75,013 12,761 1,673 25,299 16,479 7,016 4,087 446	5,868 85,136 14,483 1,899 28,713 18,703 7,963 4,639 506	1,186 19,927 4,321 1,040 17,892 13,474 6,733 10,971 6,225	6.76 6.77 6.79 6.82 6.83 6.84 6.84 6.88	175 2,943 636 152 2,620 1,970 984 1,595 901
PROBABL	708,658.02 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203		139,090		20,481
1895 1957 1978 1981 1985 1986 1988 1990 1994 1996 2002 2009 2010 2011 2012 2017	1,056.36 13,940.68 9,658.47 2,469.57 70,316.29 9,258.74 4,035.74 8,555.52 730.00 23,223.91 9,741.33 11,503.99 3,793.25 6,757.61 1,292.03 49,908.58	907 11,113 7,107 1,784 49,348 6,444 2,757 5,727 465 14,333 5,276 4,567 1,396 2,273 388 1,867	932 11,425 7,306 1,834 50,733 6,625 2,834 5,888 478 14,735 5,424 4,695 1,435 2,337 399 1,919	145 2,795 2,545 685 20,990 2,819 1,282 2,839 267 8,953 4,512 7,039 2,434 4,556 919 48,987	10.75 11.69 11.95 11.98 12.02 12.03 12.06 12.08 12.13 12.16 12.25 12.38 12.40 12.42 12.45 12.61	13 239 213 57 1,746 234 106 235 22 736 368 569 196 367 74 3,885
	226,242.07	115,752	119,000	111,767		9,060



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

MAD	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SWIFT						
INTERI	M SURVIVOR CURVE	E IOWA 70-L	0			
PROBAB	LE RETIREMENT Y	EAR 12-205	8			
NET SA	LVAGE PERCENT	-5				
1958	473,720.44	265,824	271,035	226,371	29.01	7,803
1961	1,484.19	817	833	725	29.29	25
1966	1,842.78	978	997	938	29.76	32
1967	1,505.38	793	809	772	29.85	26
1976	1,893.55	918	936	1,052	30.68	34
1981	195,540.58	89,381	91,133	114,184	31.13	3,668
1982	11,396.17	5,140	5,241	6,725	31.22	215
1984	233.82	103	105	140	31.39	4
1987	93,731.55	39,236	40,005	58,413	31.66	1,845
1990	88,733.74	35,179	35,869	57,302	31.93	1,795
1994	29,148.67	10,588	10,796	19,811	32.31	613
1995	99,406.06	35,219	35,909	68,467	32.40	2,113
1996	82,205.32	28,356	28,912	57,404	32.50	1,766
1997	36,862.07	12,352	12,594	26,111	32.60	801
1998	58,811.72	19,115	19,490	42,263	32.70	1,292
1999	112,366.39	35,322	36,014	81,970	32.81	2,498
2002	107,537.22	30,133	30,724	82,190	33.13	2,481
2003	29,544.07	7,910	8,065	22,956	33.25	690
2004	2,157,086.67	550,041	560,824	1,704,118	33.36	51,083
2006	16,477.34	3,743	3,816	13,485	33.61	401
2007	4,013.47	853	870	3,344	33.73	99
2008	123,193.53	24,294	24,770	104,583	33.86	3,089
2009	87,063.91	15,737	16,045	75,372	34.00	2,217
2010	7,703.76	1,262	1,287	6,802	34.14	199
2011	526,095.12	76,712	78,216	474,184	34.29	13,829
2012	3,175,446.88	403,374	411,281	2,922,938	34.44	84,870
2013	60,207.53	6,448	6,574	56,644	34.60	1,637
2014	265,637.38	22,832	23,280	255,640	34.77	7,352
2015	9,593.60	609	621	9,452	34.95	270
2016	66,984.50	2,638	2,690	67,644	35.15	1,924
2017	92,250.54	1,270	1,295	95,568	35.37	2,702
	8,017,717.95	1,727,177	1,761,035	6,657,569		197,373



### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLI	UGHTON SURVIVOR CURVE E RETIREMENT YE VAGE PERCENT	EAR 12-202				
1969	1,212.14	949	772	465	11.01	42
1986	148,627.01	106,038	86,238	65,362	11.18	5,846
1989	5,792.74	4,024	3,273	2,636	11.21	235
2009	14,089.93	5,875	4,778	9,594	11.47	836
2014	37,628.92	8,632	7,020	31,361	11.58	2,708
	207,350.74	125,518	102,080	109,418		9,667
PROBABLI	FALLS SURVIVOR CURVE E RETIREMENT YE VAGE PERCENT	EAR 12-205				
1924	1,537.90	1,020	1,630			
1926	95.71	63	101			
1927	1,807.42	1,187	1,916			
1931	638.72	414	677			
1934	211.88	136	225			
1938	88.45	56	94			
1939	211.21	133	224			
1941	19.73	12	21			
1945	872.28	534	925			
1951	67.09	40	71			
1952	706.64	418	749			
1953	206.52	122	219			
1955 1958	183.14 417.67	107 239	194 443			
1959	12,130.85	6,899	12,859			
1967	1,167.31	628	1,237			
1969	4,515.55	2,390	4,786			
1980	2,652.73	1,256	2,812			
1981	842.46	394	893			
1987	605.84	260	642			
1988	311.03	131	330			
1997	614,210.72	211,153	619,780	31,283	32.00	978
2002	7,853.46	2,259	6,631	1,694	32.52	52
2006	25,084.28	5,860	17,200	9,389	32.97	285
2011	1,734.72	260	763	1,076	33.63	32

#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PROBABLI	FALLS SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-205				
2012	46,948.51	6,135	18,008	31,758	33.78	940
2014	15,521.73	1,371	4,024	12,429	34.10	364
2017	19,776.94	274	804	20,159	34.68	581
	760,420.49	243,751	698,258	107,788		3,232
PROBABLI	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-206				
1911	660.10	447	700			
1929	266.78	170	283			
1930	678.35	431	719			
1948	398.01	234	422			
1955	36.17	20	36	2	29.58	
1960	33,487.49	18,355	33,356	2,141	30.09	71
1962	533.26	288	523	42	30.29	1
1963	188.82	101	184	17	30.40	1
1964	100.16	53	96	10	30.50	
1978	1,787.04	835	1,517	377	31.88	12
1981	1,064.93	479	870	258	32.17	8
1985	18,505.73	7,860	14,284	5,332	32.56	164
1987	10,960.85	4,506	8,189	3,430	32.75	105
2007	4,563.78	946	1,719	3,118	34.98	89
2008	1,633.15	314	571	1,161	35.12	33
2009	49,572.04	8,723	15,852	36,694	35.27	1,040
2011	128,426.55	18,197	33,069	103,064	35.58	2,897
2012	5,466.63	675	1,227	4,568	35.74	128
2017	1,526.61	20	36	1,582	36.73	43
	259,856.45	62,654	113,652	161,796		4,592



#### ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

### CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
YALE						
INTERI	IM SURVIVOR CURV	E IOWA 70-I	.0			
	BLE RETIREMENT Y		8			
NET SA	ALVAGE PERCENT	-6				
1953	526,685.97	307,214	340,417	217,871	28.53	7,637
1963	3,763.22	2,062	2,285	1,704	29.48	58
1964	13,664.55	7,435	8,239	6,246	29.57	211
1970	3,079.89	1,597	1,770	1,495	30.13	50
1986	3,991.42	1,715	1,900	2,331	31.57	74
1987	110,528.44	46,708	51,756	65,404	31.66	2,066
1991	1,691.53	664	736	1,057	32.02	33
1992	42,387.58	16,273	18,032	26,899	32.12	837
1995	40,732.30	14,569	16,144	27,033	32.40	834
1996	825,743.49	287,541	318,617	556,671	32.50	17,128
1997	123,192.05	41,673	46,177	84,407	32.60	2,589
1998	73,601.23	24,149	26,759	51,258	32.70	1,568
1999	8,956.39	2,842	3,149	6,345	32.81	193
2000	808,286.61	247,782	274,561	582,222	32.91	17,691
2001	131,668.09	38,835	43,032	96,536	33.02	2,924
2002	18,883.86	5,342	5,919	14,098	33.13	426
2003	304,830.67	82,392	91,297	231,824	33.25	6,972
2005	46,090.33	11,236	12,450	36,405	33.48	1,087
2006	89,480.68	20,523	22,741	72,108	33.61	2,145
2008	6,730.44	1,340	1,485	5,649	33.86	167
2010	1,599.76	265	294	1,402	34.14	41
2012	46,342.63	5,943	6,585	42,538	34.44	1,235
2013	10,619.22	1,148	1,272	9,984	34.60	289
2014	70,631.22	6,129	6,791	68,078	34.77	1,958
2015	224,161.74	14,371	15,924	221,687	34.95	6,343
2017	358,406.86	4,981	5,519	374,392	35.37	10,585
	3,895,750.17	1,194,729	1,323,851	2,805,644		85,141
	83,047,858.11	33,924,358	33,355,588	52,111,793		4,006,965

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 13.0 4.82



#### ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABL	ST. ANTHONY SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-202				
1926	52.64	46	26	27	8.87	3
1972	376.37	303	172	208	9.53	22
1973	171.97	138	78	95	9.54	10
1974	108.57	87	49	60	9.55	6
1980	7,482.62	5,800	3,289	4,268	9.59	445
	8,192.17	6,374	3,615	4,659		486
PROBABL	VER SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-203				
1924	27.49	23	20	7	13.01	1
1943	168.13	134	118	51	13.92	4
1948	695.38	546	482	220	14.11	16
1962	63.72	48	42	22	14.55	2
1966	98.19	72	64	36	14.65	2
1967	80.52	59	52	29	14.67	2
1968	80.57	59	52	29	14.70	2
1970	111.98	81	72	42	14.74	3
1972	1,507.51	1,078	953	570	14.78	39
1973	143.13	102	90	54	14.80	4
1974	315.54	223	197	122	14.82	8
1976	138.90	97	86	55	14.86	4
1977	230.21	160	141	91	14.88	6
1978	1,076.75	741	655	433	14.90	29
1979	296.06	202	179	121	14.92	8
1980	827.54	561	496	340	14.93	23
1981	840.02	565	499	349	14.95	23
1982	885.16	590	521	373	14.97	25
1984	68,926.66	45,143	39,892	29,724	15.00	1,982
1985	194.67	126	111	85	15.01	6
1986	3,833.23	2,460	2,174	1,698	15.03	113
2008	1,412.64	511	452	975	15.26	64
	81,954.00	53,581	47,348	35,426		2,366



#### ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLE	SURVIVOR CURV RETIREMENT Y VAGE PERCENT	EAR 12-203				
2000	15,383.82	8,618	15,538			
	15,383.82	8,618	15,538			
PROBABLE	SURVIVOR CURV RETIREMENT Y VAGE PERCENT	EAR 12-206				
1970 1973 1978 1979 1980 1984	82.71 175.29 226.04 146.65 409.40 10,084.02	41 83 100 64 175 4,027	77 155 187 120 328 7,543	9 27 48 33 98 2,945		1 1 1 3 78
	11,124.11	4,490	8,410	3,159		84
PROBABLE	SURVIVOR CURV RETIREMENT Y VAGE PERCENT	EAR 12-203				
1948 1964 1972 1974	144.67 95.59 178.11 991.44	112 70 124 682	122 77 136 746	25 21 46 266	15.61 16.22 16.45 16.50	2 1 3 16
	1,409.81	988	1,080	358		22
PROBABLE	RIVER SURVIVOR CURV RETIREMENT Y VAGE PERCENT	EAR 12-202				
1924 1927	11,111.53 29.65	10,635 28	9,695 26	1,416 4	2.89	490 1



#### ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLE	RIVER SURVIVOR CURV E RETIREMENT Y /AGE PERCENT	EAR 12-202				
1929	71.24	68	62	9	2.90	3
1965	36,462.30	34,163	31,144	5,319	2.95	1,803
2008	14,112.86	10,649	9,708	4,405	2.97	1,483
	61,787.58	55,543	50,634	11,154		3,780
INTERIM PROBABLE	RIVER - ACCEL SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	E SQUARE EAR 12-201	9			
1918	286.54	281	264	23	2.00	12
1919	57.94	57	53	4	2.00	2
1924	10.34	10	10			
1958	138,487.80	133,984	125,741	12,746	2.00	6,373
1962	11,438.54	11,041	10,362	1,077	2.00	538
1963	4,020.09	3,878	3,639	381	2.00	190
1985	907.14	855	802	105	2.00	52
1999	6,106.81	5,511	5,172	935	2.00	468
2007	1,393.24	1,170	1,098	295	2.00	148
2011	7,444.98	5,693	5,343	2,102	2.00	1,051
2012	12,890.80	9,453	8,871	4,019	2.00	2,010
2017	1,358.53	272	255	1,103	2.00	552
	184,402.75	172,205	161,612	22,791		11,396
PROBABLI	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1,21 071	,1101 111101111	<u> </u>				
1931	97.84	80	71	28	13.39	2
1948	404.64	318	281	127	14.11	9
1956	116.52	89	79	39	14.38	3
1957	103.85	79	70	35	14.41	2
1975	128.33	90	80	50	14.84	3
1978	187.48	129	114	75	14.90	5



#### ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

LIFTON INTERIM SURVIVOR CURVE. IOWA 75-R0.5 PROBABLE RETIREMENT YEAR. 12-2033 NET SALVAGE PERCENT1  1981	YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
1986	INTERIM PROBABLI	E RETIREMENT Y	EAR 12-203				
2014 9,153.34 1,594 1,410 7,835 15.31 512  12,063.43 3,589 3,175 9,009 591  MERWIN INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2058 NET SALVAGE PERCENT3  1985 38,067.32 16,008 17,181 22,028 34.06 647 1991 6,041.79 2,249 2,414 3,809 34.64 110 1996 4,372.95 1,425 1,529 2,975 35.06 85 1998 24,402.04 7,445 7,991 17,143 35.21 487 2000 2,302.18 652 700 1,671 35.35 47 2000 2,302.18 652 700 1,671 35.35 47 2004 31,090.04 7,284 7,818 24,205 35.63 679 2005 5,260.49 1,164 1,249 4,169 35.69 117 2011 36,262.09 4,693 5,037 32,313 36.05 896 2012 8,305.78 931 999 7,556 36.10 209 2014 4,102.92 305 327 3,899 36.21 108  168,216.53 44,136 47,371 125,892 3,557  NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19,48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459	1981	278.86	188	166	115	14.95	8
MERWIN INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2058 NET SALVAGE PERCENT3  1985	1986		1,022	904	704		47
MERWIN INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2058 NET SALVAGE PERCENT3  1985	2014	9,153.34	1,594	1,410	7,835	15.31	512
INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2058 NET SALVAGE PERCENT3  1985		12,063.43	3,589	3,175	9,009		591
1991 6,041.79 2,249 2,414 3,809 34.64 110 1996 4,372.95 1,425 1,529 2,975 35.06 85 1998 24,402.04 7,445 7,991 17,143 35.21 487 2000 2,302.18 652 700 1,671 35.35 47 2003 8,008.93 1,980 2,125 6,124 35.56 172 2004 31,090.04 7,284 7,818 24,205 35.63 679 2005 5,260.49 1,164 1,249 4,169 35.69 117 2011 36,262.09 4,693 5,037 32,313 36.05 896 2012 8,305.78 931 999 7,556 36.10 209 2014 4,102.92 305 327 3,899 36.21 108  168,216.53 44,136 47,371 125,892 3,557  NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19.48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459	INTERIM PROBABLI	E RETIREMENT Y	EAR 12-205				
1991 6,041.79 2,249 2,414 3,809 34.64 110 1996 4,372.95 1,425 1,529 2,975 35.06 85 1998 24,402.04 7,445 7,991 17,143 35.21 487 2000 2,302.18 652 700 1,671 35.35 47 2003 8,008.93 1,980 2,125 6,124 35.56 172 2004 31,090.04 7,284 7,818 24,205 35.63 679 2005 5,260.49 1,164 1,249 4,169 35.69 117 2011 36,262.09 4,693 5,037 32,313 36.05 896 2012 8,305.78 931 999 7,556 36.10 209 2014 4,102.92 305 327 3,899 36.21 108  168,216.53 44,136 47,371 125,892 3,557  NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19.48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459	1985	38,067.32	16,008	17,181	22.028	34.06	647
1996							
1998		•			•		
2000							
2003 8,008.93 1,980 2,125 6,124 35.56 172 2004 31,090.04 7,284 7,818 24,205 35.63 679 2005 5,260.49 1,164 1,249 4,169 35.69 117 2011 36,262.09 4,693 5,037 32,313 36.05 896 2012 8,305.78 931 999 7,556 36.10 209 2014 4,102.92 305 327 3,899 36.21 108  168,216.53 44,136 47,371 125,892 3,557  NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19.48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459							
2004 31,090.04 7,284 7,818 24,205 35.63 679 2005 5,260.49 1,164 1,249 4,169 35.69 117 2011 36,262.09 4,693 5,037 32,313 36.05 896 2012 8,305.78 931 999 7,556 36.10 209 2014 4,102.92 305 327 3,899 36.21 108  168,216.53 44,136 47,371 125,892 3,557  NORTH UMPQUA INTERIM SURVIVOR CURVE. IOWA 75-R0.5 PROBABLE RETIREMENT YEAR. 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19.48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459							
2005							
2011 36,262.09 4,693 5,037 32,313 36.05 896 2012 8,305.78 931 999 7,556 36.10 209 2014 4,102.92 305 327 3,899 36.21 108  168,216.53 44,136 47,371 125,892 3,557  NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19.48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459							
2012 8,305.78 931 999 7,556 36.10 209 2014 4,102.92 305 327 3,899 36.21 108  168,216.53 44,136 47,371 125,892 3,557  NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19.48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459							
2014 4,102.92 305 327 3,899 36.21 108  168,216.53 44,136 47,371 125,892 3,557  NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19.48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459							
NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950							
NORTH UMPQUA INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19.48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459	2014	4,102.92	305	347	3,899	30.21	108
INTERIM SURVIVOR CURVE IOWA 75-R0.5 PROBABLE RETIREMENT YEAR 12-2038 NET SALVAGE PERCENT1  1950 31,119.20 22,735 19,007 12,423 17.85 696 1952 5,136.75 3,725 3,114 2,074 17.96 115 1953 31,772.93 22,952 19,189 12,902 18.02 716 1955 6,771.63 4,854 4,058 2,781 18.12 153 1956 4,885.88 3,487 2,915 2,019 18.18 111 1994 16,988.37 8,595 7,186 9,973 19.48 512 1995 15,378.36 7,622 6,372 9,160 19.50 470 2000 560,005.70 244,229 204,184 361,422 19.58 18,459		168,216.53	44,136	47,371	125,892		3,557
NET SALVAGE PERCENT1  1950	INTERIM	SURVIVOR CURV					
1952     5,136.75     3,725     3,114     2,074     17.96     115       1953     31,772.93     22,952     19,189     12,902     18.02     716       1955     6,771.63     4,854     4,058     2,781     18.12     153       1956     4,885.88     3,487     2,915     2,019     18.18     111       1994     16,988.37     8,595     7,186     9,973     19.48     512       1995     15,378.36     7,622     6,372     9,160     19.50     470       2000     560,005.70     244,229     204,184     361,422     19.58     18,459							
1952     5,136.75     3,725     3,114     2,074     17.96     115       1953     31,772.93     22,952     19,189     12,902     18.02     716       1955     6,771.63     4,854     4,058     2,781     18.12     153       1956     4,885.88     3,487     2,915     2,019     18.18     111       1994     16,988.37     8,595     7,186     9,973     19.48     512       1995     15,378.36     7,622     6,372     9,160     19.50     470       2000     560,005.70     244,229     204,184     361,422     19.58     18,459	1950	31,119.20	22,735	19,007	12,423	17.85	696
1953     31,772.93     22,952     19,189     12,902     18.02     716       1955     6,771.63     4,854     4,058     2,781     18.12     153       1956     4,885.88     3,487     2,915     2,019     18.18     111       1994     16,988.37     8,595     7,186     9,973     19.48     512       1995     15,378.36     7,622     6,372     9,160     19.50     470       2000     560,005.70     244,229     204,184     361,422     19.58     18,459	1952						115
1955     6,771.63     4,854     4,058     2,781     18.12     153       1956     4,885.88     3,487     2,915     2,019     18.18     111       1994     16,988.37     8,595     7,186     9,973     19.48     512       1995     15,378.36     7,622     6,372     9,160     19.50     470       2000     560,005.70     244,229     204,184     361,422     19.58     18,459							
1956     4,885.88     3,487     2,915     2,019     18.18     111       1994     16,988.37     8,595     7,186     9,973     19.48     512       1995     15,378.36     7,622     6,372     9,160     19.50     470       2000     560,005.70     244,229     204,184     361,422     19.58     18,459							
1994     16,988.37     8,595     7,186     9,973     19.48     512       1995     15,378.36     7,622     6,372     9,160     19.50     470       2000     560,005.70     244,229     204,184     361,422     19.58     18,459							
1995     15,378.36     7,622     6,372     9,160     19.50     470       2000     560,005.70     244,229     204,184     361,422     19.58     18,459							
2000 560,005.70 244,229 204,184 361,422 19.58 18,459							



#### ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLE	MPQUA SURVIVOR CURV RETIREMENT Y VAGE PERCENT	EAR 12-203				
2002 2004 2007	5,758.17 8,843.32 20,132.96	2,345 3,321 6,447	1,961 2,776 5,390	3,855 6,155 14,944	19.65	196 313 759
	721,757.22	336,628	281,433	447,542		23,002
PROBABLE	SURVIVOR CURV RETIREMENT Y VAGE PERCENT	EAR 12-202				
1974 1982	144.31 272.91	122 223	144 273			
	417.22	345	417			
PROBABLE	SURVIVOR CURV RETIREMENT Y VAGE PERCENT	EAR 12-203				
1948	68.16	56	53	16	11.76	1
1966	315.51	245	231	87	12.11	7
1970	316.54	242	228	91	12.18	7
1974	107.93	81	76	33	12.23	3
1980	1,744.54	1,262	1,192	570	12.30	46
1982	228.29	163	154	77		6
1983	336.27	238	225	115		9
1989	6,484.45	4,343	4,101	2,449	12.39	198
	9,601.69	6,630	6,260	3,438		277



#### ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABLI	f #1, 2 AND 4 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1999	19,027.06	8,545	7,688	11,529	19.57	589
	19,027.06	8,545	7,688	11,529		589
PROBABLI	F #3 SURVIVOR CURV E RETIREMENT Y JAGE PERCENT	EAR 12-205				
1932 1991	3,934.34 13,248.42	2,691 4,933	4,052 11,898	1,748	34.64	50
1992	37,458.57	13,616	32,839		34.73	165
1997	8,073.61	2,549	6,148	2,168	35.13	62
	62,714.94	23,789	54,937	9,659		277
PROBABLI	LARA SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-202				
1917	685.38	630	692			
1985	3,402.00	2,772	3,156	280		41
1988	3,865.10	3,094	3,523	381	6.82	56
	7,952.48	6,496	7,371	661		97
PROBABLI	SURVIVOR CURV E RETIREMENT Y JAGE PERCENT	EAR 12-205				
1958 1976 1990 1991 1992	325,233.59 1,829.02 48,951.35 4,893.59 7,800.28	190,851 897 19,005 1,857 2,890	194,592 915 19,378 1,893 2,947	146,903 1,006 32,021 3,245 5,244	33.02 34.55	4,847 30 927 94 151
	,	,	,	-,	· · ·	



#### ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABLE	SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-205				
1994	7,305.49	2,571	2,621	5,049	34.90	145
1995	12,177.40	4,167	4,249	8,538	34.98	244
2017	3,032.12	35	36	3,148	36.37	87
	411,222.84	222,273	226,630	205,154		6,525
PROBABLE	JGHTON SURVIVOR CURVI E RETIREMENT YI JAGE PERCENT	EAR 12-202				
1986	20,594.26	14,575	11,853	8,947	11.46	781
	20,594.26	14,575	11,853	8,947		781
PROBABLE	SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-206				
1948	227.69	140	237			
1958	98.18	56	102			
1967	156.89	83	151	12	32.82	
1969	94.19	49	89		33.14	
1985	20,464.56	8,452	15,348		35.33	168
2011	1,228.58	154	280	998	37.53	27
	22,270.09	8,934	16,206	6,955		195
PROBABLE	SURVIVOR CURVI E RETIREMENT YI VAGE PERCENT	EAR 12-205				
1953	484,056.38	295,095	326,987	181,272	29.40	6,166
1991	5,029.74	1,909	2,115		34.64	91
1994	10,454.15	3,678	4,075	6,901	34.90	198



#### ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

### CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PROBABL	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-205				
2000	12,152.39	3,509	3,888	8,872	35.35	251
2004	35,166.30	8,399	9,307	27,618	35.63	775
2017	14,124.07	165	183	14,647	36.37	403
	560,983.03	312,755	346,556	242,476		7,884
	2,381,075.03	1,290,494	1,298,134	1,148,809		61,909

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 18.6 2.60



#### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIN PROBABI	ST. ANTHONY SURVIVOR CURVE E RETIREMENT YE LVAGE PERCENT	CAR 12-202				
1917 2013	614.30 4,910.62	555 1,540	315 873	306 4,086	9.19 9.95	33 411
	5,524.92	2,095	1,188	4,392		444
PROBABI	IVER M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	CAR 12-203				
1908	1,605.83	1,395	1,233	405	13.66	30
1915	55,581.41	47,942	42,365	14,328	13.88	1,032
1917	8,590.38	7,393	6,533	2,229	13.94	160
1948	1,535.53	1,254	1,108	458	14.72	31
1950	459.00	373	330	139	14.77	9
1951	1,685.83	1,367	1,208	512	14.79	35
1980	162,449.71	115,429	102,002	63,697	15.33	4,155
1981	12,401.96	8,742	7,725	4,925	15.35	321
1985	16,674.85	11,340	10,021	6,987	15.42	453
1986	104,796.65	70,572	62,363	44,530	15.43	2,886
1987	7,992.50	5,324	4,705	3,448	15.45	223
1993	10,709.28	6,589	5,823	5,101	15.55	328
1994	13,489.77	8,167	7,217	6,543	15.56	421
2000	11,220.88	5,972	5,277	6,168	15.66	394
2004	27,259.29	12,722	11,242	16,562	15.72	1,054
2006	105,052.47	44,832	39,617	67,537	15.75	4,288
2009	42,580.56	15,094	13,338	30,094	15.79	1,906
2011	10,652.43	3,143	2,777	8,088	15.82	511
2013	240,199.82	53,896	47,627	197,377	15.85	12,453
2016	75,137.15	6,570	5,806	70,834	15.89	4,458
2017	105,292.28	3,275	2,894	104,504	15.90	6,573
	1,015,367.58	431,391	381,210	654,465		41,721



#### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

VEND	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
YEAR (1)	(2)	(3)	(4)	(5)	(6)	(7)
BEND INTERIM PROBABLI	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	E IOWA 100- EAR 12-203	S0.5	<b>V</b> -7	, , ,	` ,
1936	174.40	157	185			
	174.40	157	185			
PROBABLI	K SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-205				
1910	1,600.00	1,246	1,680			
1929	632.86	467	665			
1944	26.50	19	28			
1949	1,471.53	1,005	1,545			
2006	180,287.72	46,606	72,994	116,308	34.23	3,398
2008	27,776.90	6,194	9,701	19,465	34.38	566
2011	20,337.54	3,329	5,214	16,141		467
2014	2,151.99	204	320	1,940	34.82	56
	234,285.04	59,070	92,146	153,853		4,487
PROBABLI	SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-206				
1914	4,207.69	3,291	4,713			
1927	12,971.03	9,657	14,528			
1950	26,253.06	17,499	29,403			
1955	37,051.78	23,933	41,498			
1987	277,232.45	124,958	241,163	69,337	41.10	1,687
1989	15,161.75	6,560	12,660	4,321	41.37	104
1990	70,054.06	29,658	57,239	21,222	41.50	511
1992	6,546.61	2,643	5,101	2,231	41.76	53
1993	22,309.17	8,781	16,947	8,039	41.89	192
1994	18,476.87	7,077	13,658	7,036	42.02	167
1995	32,073.09	11,938	23,040	12,882	42.15	306



### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CUTLER						
	SURVIVOR CURV	E IOWA 100-	S0.5			
	E RETIREMENT Y					
NET SAL	VAGE PERCENT	-12				
2001	44,075.46	13,209	25 402	22 072	42.92	556
2001	5,646.22		25,493 2,123	23,872 4,201		
2017	20,033.14	247	477	21,960		489
				,		
	592,092.38	260,551	488,042	175,101		4,161
EAGLE P	OINT					
INTERIM	SURVIVOR CURV	E IOWA 100-	S0.5			
	E RETIREMENT Y		.0			
NET SAL	VAGE PERCENT	-2				
1972	176.59	119	180			
1983	8,815.33		8,677	314	21.66	14
2002	36,709.01		24,414	13,029	22.28	585
2003	49,239.72	19,484	31,460	18,764	22.31	841
2004	4,320.33		2,642	1,765		79
2013	32,172.12	5,417	8,747	24,069	22.61	1,065
2014	46,848.81	6,367	10,281	37,505	22.64	1,657
	178,281.91	53,517	86,401	95,447		4,241
KLAMATH	RTVER					
	SURVIVOR CURV	E IOWA 100-	S0.5			
PROBABL	E RETIREMENT Y	EAR 12-202	10			
NET SAL	VAGE PERCENT	0				
1924	7,119.25	6,859	6,253	866	2.93	296
1926	391.44	377	344	48	2.94	16
1942	510.23	489	446	64		22
1943	418.47	401	366	53	2.95	18
1966	101,243.29	95,389	86,959	14,284	2.97	4,809
1967	5,006.33	4,712	4,296	711	2.97	239
1992	8,145.21	7,276	6,633	1,512	2.99	506
1994	50,373.33	44,607	40,665	9,709	2.99	3,247
2001	4,740.02	4,007	3,653	1,087	2.99	364
2009	61,983.12	45,825	41,775	20,208	2.99	6,759
2011	1,144.12	782	713	431	3.00	144
	241,074.81	210,724	192,101	48,974		16,420



### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABL	RIVER - ACCEL SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	E SQUARE EAR 12-201	9			
1938	573.38	559	525	49	2.00	24
1941	2,067.70	2,015	1,891	177	2.00	88
1958	306,948.60	296,967	278,700	28,248	2.00	14,124
1962	454,114.78	438,321	411,359	42,755	2.00	21,378
1963	166.16	160	150	12,733	2.00	8
1965	109,314.91	105,303	98,826	10,489	2.00	5,244
1971	31,685.33	30,379	28,510	3,175	2.00	1,588
1974	3,604.87	3,446	3,234	371	2.00	186
1981	99,764.92	94,582	88,764	11,001	2.00	5,500
1982	50,182.38	47,506	44,584	5,599	2.00	2,800
1991	155,647.90	144,725	135,823	19,825	2.00	9,912
1992	88,167.75	81,755	76,726	11,442	2.00	5,721
1993	12,914.40	11,940	11,206	1,709	2.00	854
1994	182,049.80	167,772	157,452	24,598	2.00	12,299
1995	20,854.64	19,152	17,974	2,881	2.00	1,440
2002	224,401.44	198,755	186,529	37,872	2.00	18,936
2002	52,244.02	45,912	43,088	9,156	2.00	4,578
2005	437,437.73	377,102	353,906	83,532	2.00	41,766
2005	31,262.61	26,631	24,993	6,270	2.00	3,135
2007	86,842.82	72,948	68,461	18,382	2.00	9,191
2007	9,506.82	72,940	7,370	2,137	2.00	1,068
2009	188,103.17	152,273	142,907	45,197	2.00	22,598
2009	19,625.71	13,587	12,751	6,874	2.00	3,437
2013	27,906.49	17,759	16,667	11,240	2.00	5,620
2014	95,264.31	19,053	17,881	· ·		•
2017	95,204.31	19,053	17,881	77,383	2.00	38,692
	2,690,652.64	2,376,455	2,230,277	460,376		230,187
PROBABL	ANCE SURVIVOR CURVE E RETIREMENT YE VAGE PERCENT	EAR 12-203				
1983	65,286.71	45,695	52,193	15,052	15.38	979
	65,286.71	45,695	52,193	15,052		979



### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1913 1931 1951 1985 2004 2008 2009 2017	2,768.65 3,456.94 2,969.05 1,404.75 163,462.13 2,073.21 10,822.53 38,369.34	2,393 2,919 2,407 955 76,290 789 3,836 1,193	2,117 2,582 2,129 845 67,486 698 3,393 1,055	707 944 899 588 99,245 1,417 7,646 38,081	13.82 14.33 14.79 15.42 15.72 15.77 15.79	51 66 61 38 6,313 90 484 2,395
PROBABI	225,326.60  M SURVIVOR CURV  LE RETIREMENT Y  LVAGE PERCENT	EAR 12-205		149,527		9,498
1949 1990 1992 1994 1995 1997 1998 2004 2005 2007 2008 2010 2012 2013 2015 2016 2017	149,674.02 8,162.75 1,270,170.16 69,706.37 21,683.72 4,404.68 396.80 12,359.81 88,397.21 27,020.62 384,280.48 36,240.96 734,023.89 117,191.83 966,500.30 185,978.85 274,176.49	99,154 3,525 524,402 27,376 8,284 1,585 138 3,318 22,382 5,980 78,429 6,086 94,527 12,607 60,670 7,166 3,624	106,421 3,783 562,836 29,382 8,891 1,701 148 3,561 24,022 6,418 84,177 6,532 101,455 13,531 65,117 7,691 3,890	52,233 4,869 783,544 44,506 14,094 2,968 272 9,540 69,679 22,224 323,160 31,883 676,610 110,692 959,374 189,446 286,737	32.41 36.98 37.18 37.38 37.48 37.68 37.78 38.36 38.46 38.65 38.75 38.94 39.12 39.22 39.40 39.50 39.59	1,612 132 21,074 1,191 376 79 7 249 1,812 575 8,340 819 17,296 2,822 24,350 4,796 7,243
	4,350,368.94	959,253	1,029,558	3,581,833		92,773



### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NORTH U	MPQUA					
INTERIM	SURVIVOR CURVE	E IOWA 100-	S0.5			
PROBABL	E RETIREMENT YE	EAR 12-203	8			
NET SAL	VAGE PERCENT	-3				
1950	44,346.13	34,312	28,686	16,990	18.85	901
1951	105,184.56	81,111	67,812	40,528	18.89	2,145
1952	249,219.04	191,557	160,149	96,547	18.92	5,103
1953	594,875.25	455,626	380,920	231,802	18.96	12,226
1954	76,064.31	58,057	48,538	29,809	18.99	1,570
1955	331,154.22	251,853	210,558	130,531	19.02	6,863
1956	515,321.89	390,390	326,380	204,402	19.06	10,724
1957	45,961.64	34,687	29,000	18,341	19.09	961
1958	43,890.41	32,987	27,578	17,629	19.13	922
1959	1,212.00	907	758	490	19.16	26
1960	32,917.68	24,537	20,514	13,391	19.19	698
1961	10,179.88	7,554	6,315	4,170	19.23	217
1962	22,543.73	16,653	13,923	9,298	19.26	483
1963	19,542.02	14,368	12,012	8,116	19.29	421
1964	1,123.84	822	687	470	19.32	24
1966	3,686.78	2,670	2,232	1,565	19.39	81
1968	9,018.58	6,460	5,401	3,888	19.45	200
1969	3,991.55	2,843	2,377	1,734	19.48	89
1971	25,965.02	18,267	15,272	11,472	19.54	587
1983	19,043.83	12,137	10,147	9,468	19.90	476
1986	31,382.93	19,321	16,153	16,171	19.99	809
1988	31,937.20	19,159	16,018	16,878	20.04	842
1990	100,373.89	58,474	48,886	54,499	20.10	2,711
1991	42,546.88	24,397	20,397	23,427	20.13	1,164
1992	210,022.63	118,437	99,018	117,306	20.15	5,822
1993	172,514.66	95,542	79,877	97,814	20.18	4,847
1994	54,274.43	29,487	24,652	31,250	20.21	1,546
1995	292,952.36	155,985	130,409	171,332	20.23	8,469
1996	259,671.36	135,263	113,085	154,377	20.26	7,620
1997	102,640.16	52,214	43,653	62,067	20.29	3,059
1998	204,301.44	101,377	84,755	125,676	20.31	6,188
2001	21,287.01	9,660	8,076	13,850	20.39	679
2002	118,018.82	51,696	43,220	78,340	20.42	3,836
2003	112,796.11	47,566	39,767	76,413	20.44	3,738
2004	233,293.50 483,862.98	94,247 186,419	78,794 155,853	161,498	20.47	7,889
2005	341,272.87	124,758		342,526 247,209	20.50	16,709
2006 2008		49,536	104,302	116,985	20.52 20.57	12,047 5,687
2008	153,785.33		41,414 213,688	670,242	20.57	
4009	858,184.47	255,597	413,000	0/0,242	∠∪.0∪	32,536

### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
NORTH U	JMPQUA					
INTERI	M SURVIVOR CURVE					
	LE RETIREMENT Y		8			
NET SAI	LVAGE PERCENT	-3				
2010	19,036.52	5,183	4,333	15,274	20.62	741
2011	479,355.30	117,233	98,011	395,725		19,163
2012	2,019,942.51	434,105	362,927	1,717,613	20.67	83,097
2013	4,148.77	759	635	3,639		176
2014	54,384.00	8,055	6,734	49,281		2,378
2015	136,186.39		12,571	127,701		
2016 2017	873,536.94	60,229	50,354	849,389 226,685		40,895
2017	224,491.82	5,432	4,541	220,000	20.79	10,904
	9,791,443.64	3,912,965	3,271,379	6,813,808		334,426
PIONEER	₹					
INTERI	M SURVIVOR CURVE	E IOWA 100-	S0.5			
	LE RETIREMENT Y		0			
NET SAI	LVAGE PERCENT	-1				
1897	1,492.08	1,329	1,255	252	11.17	23
1971	1,043.75	817	771	283	12.46	23
1986	2,752.72	1,959	1,850	931	12.64	74
2011	48,453.19	16,321	15,410	33,527		
2014	7,652.72	1,640	1,549	6,181	12.92	478
	61,394.46	22,066	20,835	41,173		3,199
	CT #1, 2 AND 4					
	M SURVIVOR CURVE					
	LE RETIREMENT YE LVAGE PERCENT		8			
1000	107.00	1.71	1 4 5	F.0	17 00	2
1928 1943	197.00 4,146.98	161 3,275	145 2,946	58 1,325		3 71
1943	29,152.00	22,960	20,657	9,370	18.63	503
1961	616.25	457	411	224	19.23	12
1962	1,030.16	761	685	376	19.26	20
1963	4,473.04	3,289	2,959	1,648	19.29	85
1964	6,091.07	4,457	4,010	2,264	19.32	117
1965	23,108.79	16,825	15,137	8,665	19.35	448
1966	4,666.42	3,379	3,040	1,766	19.39	91
1972	1,066.07	745	670	428	19.57	22



### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABLI	r #1, 2 AND 4 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-203				
1987 1990 1996 2001 2008 2009 2010 2012 2013 2014 2017	21,521.05 37,279.14 20,723.38 20,482.73 64,101.37 14,246.46 38,601.72 17,163.23 8,859.30 21,127.37 50,071.91	13,087 21,717 10,795 9,295 20,648 4,243 10,511 3,689 1,621 3,129 1,211	11,774 19,538 9,712 8,363 18,577 3,817 9,457 3,319 1,458 2,815 1,090	10,393 18,859 11,633 12,735 47,448 10,856 30,303 14,359 7,667 18,946 50,485	20.01 20.10 20.26 20.39 20.57 20.60 20.62 20.67 20.69 20.72 20.79	519 938 574 625 2,307 527 1,470 695 371 914 2,428
PROBABLI	388,725.44  F #3 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-205		259,807		12,740
1932 1936 1940 1955 1961 1965 1977 2007	11,748.51 1,170.24 1,539.05 703.55 787.72 33,100.45 2,065.95 8,244.89 57,666.00	8,627 846 1,094 463 499 20,337 1,129 1,876 6,379	12,806 1,276 1,678 767 859 36,079 2,252 8,987 30,557	32,298	39.22	824
	117,026.36	41,250	95,260	32,299		824
PROBABLI NET SALV	LARA SURVIVOR CURV E RETIREMENT Y VAGE PERCENT 371.17	EAR 12-202 -1 346	S0.5 4 375			
1920	57.76	54	58			



### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	CLARA M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1926	2,058.71	1,909	2,079			
1967 2012	232.73 18,785.74	205 8,345	235 9,574	9,399	6.98	1,347
	21,506.11	10,859	12,322	9,399		1,347
PROBAB	M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
2011 2013	5,509.26 27,523.56	1,856 7,150	1,908 7,351	3,656 20,448		
2013	24,893.34	935	961	24,181		1,867
	57,926.16	9,941	10,220	48,285		3,735
PROBAB	M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-205				
1958	87,177.84	54,796	55,870	36,538		1,091
1990 1996	4,258.00 287,910.80	1,839 106,830	1,875 108,924	2,638 196,261		71 5,222
2005	4,062.10	1,029	1,049	3,257		85
2009	619,924.56	115,699	117,967	539,153		13,881
2010	6,632.07	1,114	1,136	5,894		151
2014	123,125.52	10,559	10,766	119,747	39.31	3,046
	1,133,090.89	291,866	297,588	903,488		23,547



#### ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

### CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	A FALLS M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	YEAR 12-205				
1993 2002 2014	236,406.46 74,552.05 338,184.52	96,598 22,496 29,617	250,591 75,721 99,691	3,304 258,785		88 6,736
	649,143.03	148,711	426,003	262,089		6,824
PROBAB	M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	YEAR 12-206				
1994 1995	28,988.94 10,867.59	11,279 4,112	20,460 7,459	10,848 4,278		278 109
	39,856.53	15,391	27,919	15,126		387
PROBAB	M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	YEAR 12-205				
1953 1999 2002 2003 2007	152,371.52 899,653.36 246,959.94 55,105.40 11,956.96	99,680 305,019 74,010 15,735 2,671	110,453 337,984 82,009 17,436 2,960	52,584 624,645 182,238 41,527 9,834	37.88 38.17 38.27	1,598 16,490 4,774 1,085 254
2010 2011 2015 2017	42,710.40 46,341.83 580,879.45 6,971.04	7,240 6,967 36,808 93	8,022 7,720 40,786	37,678 41,866 580,755 7,356	38.94 39.03	968 1,073 14,740 186
	2,042,949.90	548,223	607,473	1,578,483		41,168
	23,901,498.45	9,647,217	9,543,186	15,302,977		833,108



COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 18.4 3.49

#### ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	LIS - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
2003 2009 2010 2011 2013 2014 2015 2016 2017	22,415,560.29 870,187.73 13,531.72 15,685.63 592,934.40 22,063.06 233,333.69 6,946.96 293,252.79	8,356,250 222,245 3,138 3,247 90,436 2,704 21,142 391 5,709	7,014,400 186,557 2,634 2,726 75,914 2,270 17,747 328 4,792	16,073,627 709,737 11,304 13,431 534,809 20,455 222,587 6,827 297,258	25.51 25.78 25.81 25.84 25.89 25.91 25.92 25.94 25.95	630,091 27,531 438 520 20,657 789 8,587 263 11,455
INTER:	24,463,496.27 NT CREEK - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204		17,890,033		700,331
2005 2007 2008 2009 2011 2012 2013 2015 2017	42,135,634.71 159,308.62 864,936.51 601,077.12 283,156.48 21,125.12 55,270.62 64,846.07 24,076.59	13,547,652 45,209 227,755 145,200 55,300 3,593 7,922 5,494 436	8,579,085 28,629 144,226 91,948 35,019 2,275 5,017 3,479 276	34,820,619 135,459 746,658 527,161 256,632 19,484 51,912 63,312 24,523	27.50 27.61 27.66 27.71 27.78 27.81 27.84 27.89 27.92	1,266,204 4,906 26,994 19,024 9,238 701 1,865 2,270 878
INTER:	44,209,431.84  STON - CCCT  IM SURVIVOR CURV  BLE RETIREMENT Y  ALVAGE PERCENT	EAR 12-203		36,645,761		1,332,080
1996 1997 1998 2002	9,911,936.29 1,028,796.55 79,227.85 1,454,660.78	5,464,729 554,118 41,627 676,603	5,214,714 528,767 39,723 645,648	4,994,580 530,894 41,882 852,653	18.58 18.63 18.67 18.80	268,815 28,497 2,243 45,354



#### ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
HERMIS	STON - CCCT			(3)	(0)	( / /
PROBAE	M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
2007	48,297.93	17,761	16,948	32,798	18.91	1,734
2008 2017	322,076.62 18,800.91	110,890 497	105,817 474	225,922 18,891	18.92 18.99	11,941 995
	12,863,796.93	6,866,225	6,552,091	6,697,620		359,579
	SIDE - CCCT					
	IM SURVIVOR CURV BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-4				
2007	1,751,058.80	477,821	243,719	1,577,382	29.49	53,489
2009	293,897.36	68,173	34,773	270,881	29.61	9,148
2012	107,101.53	17,379	8,864	102,521	29.75	3,446
2013	305,382.48	41,691	21,265	296,333	29.78	9,951
2014 2015	47,388.69 33,701.60	5,178 2,709	2,641 1,382	46,643 33,668	29.81 29.84	1,565 1,128
2017	67,951.16	1,163	593	70,076	29.89	2,344
	2,606,481.62	614,114	313,237	2,397,504		81,071
LAKE S	SIDE UNIT 2 - CC	СТ				
	M SURVIVOR CURV					
	BLE RETIREMENT Y ALVAGE PERCENT		4			
2007	25,565,503.00	5,964,831	5,903,785	20,428,683	25 02	570,315
2007	14,092.33	3,032	3,903,783	11,514	35.82 35.94	320
2009	215,840.88	42,418	41,984	180,332	36.05	5,002
2012	9,700.74	1,311	1,298	8,694	36.34	239
2013	13,168.10	1,492	1,477	12,086	36.41	332
2014	60,215,780.95	5,429,428	5,373,862	56,648,393	36.48	1,552,862
2015 2017	81,755.72 124,989.30	5,391 1,733	5,336 1,715	78,873 127,024	36.55 36.66	2,158 3,465
2011	141,000.30	1,733	1,/13	127,024	50.00	3,403
	86,240,831.02	11,449,636	11,332,457	77,495,599		2,134,693



#### ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	Y PEAKERS - CT IM SURVIVOR CURVI BLE RETIREMENT YI ALVAGE PERCENT	EAR 12-203				
2002	3,119,908.31	1,621,003	1,445,723	1,736,583	14.91	116,471
2003	562,122.93	282,491	251,945	321,420	14.92	21,543
2004	429,833.69	208,110	185,607	252,823	14.93	16,934
2006	9,778.17	4,336	3,867	6,107	14.95	408
2009	118,661.39	43,834	39,094	81,940	14.97	5,474
2012	32,695.58	8,952	7,984	25,365	14.99	1,692
	4,273,000.07	2,168,726	1,934,221	2,424,239		162,522
	174,657,037.75	43,842,524	36,329,328	143,550,756		4,770,276
	COMPOSITE REMAIN	ING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	30.1	2.73



#### ACCOUNT 341 STRUCTURES AND IMPROVEMENTS - WIND

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	- WIND 1 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-205				
2010 2011 2012 2013 2014 2017	7,411,623.30 203,417.51 33,632.01 56,701.78 89,252.15 4,653.49	1,386,958 33,791 4,847 6,854 8,638 70	1,868,376 45,520 6,529 9,233 11,636 94	5,617,364 159,932 27,439 48,036 78,508 4,606	31.00 31.09 31.18 31.26 31.33 31.55	181,205 5,144 880 1,537 2,506 146
INTERIN PROBABI	7,799,280.24  CREEK - WIND  1 SURVIVOR CURVI  LE RETIREMENT Y  LVAGE PERCENT	EAR 12-202		5,935,884		191,418
1998 2014 2017	106,996.76 6,005.87 24,308.92	66,327 1,359 973	73,486 1,506 1,078	34,580 4,560 23,474	11.68 11.85 11.87	2,961 385 1,978
	137,311.55	68,659	76,070	62,615		5,324
INTERIN PROBABI	CK - WIND 1 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
1959 1961 1981 1985 2008 2009 2010 2011 2012 2013 2014	49,615.31 5,347.70 96,399.50 10,331.05 4,425,305.00 4,106,819.00 31,835.15 666,802.08 78,167.58 299,791.47 601,522.10	34,903 3,694 53,134 5,353 1,023,127 869,895 6,100 113,513 11,561 37,225 59,709	48,940 5,180 74,504 7,506 1,434,611 1,219,751 8,553 159,166 16,211 52,196 83,723	1,171 222 22,860 2,928 3,034,947 2,928,136 23,600 514,304 62,739 250,593 523,814	19.36 20.06 25.93 26.79 29.98 30.07 30.15 30.24 30.31 30.39 30.46	60 11 882 109 101,232 97,377 783 17,007 2,070 8,246 17,197



#### ACCOUNT 341 STRUCTURES AND IMPROVEMENTS - WIND

YEAR (1)	COST			FUTURE BOOK ACCRUALS (5)		ACCRUAL
INTERIM PROBABI	CK - WIND 1 SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-204				
2015 2016 2017	202,089.86 21,023.01 55,379.45	14,761 948 862	20,698 1,329 1,209	183,413 19,904 54,725	30.60	6,008 650 1,785
	10,650,428.26	2,234,785	3,133,576	7,623,357		253,417
INTERIM PROBABI	E HILLS - WIND 1 SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-204				
2008 2013 2014 2017	5,403,897.00 45,707.35 27,160.45 10,777.58	1,249,376 5,675 2,696 168	1,689,151 7,673 3,645 227	3,768,785 38,492 23,787 10,658	30.39 30.46	125,710 1,267 781 348
	5,487,542.38	1,257,915	1,700,696	3,841,722		128,106
INTERIM PROBABI	LAINS / MCFADDEI M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	E IOWA 65-R EAR 12-204				
2009 2011 2012	7,688,106.69 122,315.69 4,114.54	1,628,473 20,822 609	2,204,663 28,189 824	5,560,325 95,350 3,331	30.24	184,913 3,153 110
	7,814,536.92	1,649,904	2,233,677	5,659,005		188,176



#### ACCOUNT 341 STRUCTURES AND IMPROVEMENTS - WIND

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	G JUNIPER - WIN M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 65-R EAR 12-204				
2006 2013 2014 2017	4,887,537.31 10,409.37 39,041.62 40,146.01	1,305,977 1,293 3,875 625	1,843,879 1,826 5,471 882	3,092,534 8,688 33,961 39,665	30.39	103,776 286 1,115 1,294
	4,977,134.31	1,311,770	1,852,058	3,174,848		106,471
INTERI PROBAB	O - WIND M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2007 2008 2013 2017	6,190,414.66 3,953,703.00 15,306.87 77,026.34	1,544,948 914,093 1,901 1,199	2,256,305 1,334,979 2,776 1,751	3,996,014 2,658,261 12,684 76,046	30.39	133,691 88,668 417 2,480
	10,236,450.87	2,462,141	3,595,811	6,743,004		225,256
INTERI PROBAB	MILE HILL - WIN M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 65-R EAR 12-204				
2008 2011 2012 2013 2014 2017	5,740,756.47 208,250.09 2,339.53 40,287.64 363,362.53 805.59	1,327,258 35,452 346 5,002 36,068 13	1,732,526 46,277 452 6,529 47,081	4,065,638 164,056 1,911 34,161 319,915 797	30.24 30.31 30.39	135,612 5,425 63 1,124 10,503 26
	6,355,801.85	1,404,139	1,832,882	4,586,478		152,753
	53,458,486.38	11,830,471	16,366,159	37,626,913		1,250,921



COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 30.1 2.34

#### ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)			REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABI	S - CCCT SURVIVOR CURV E RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2003	1,597,345.52	593,892	498,525	1,146,741	23.35	49,111
	1,597,345.52	593,892	498,525	1,146,741		49,111
INTERIM PROBABI	C CREEK - CCCT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2005	3,299,735.22	1,061,287	672,063	2,726,664	25.13	108,502
	3,299,735.22	1,061,287	672,063	2,726,664		108,502
INTERIM PROBABL	CON - CCCT 1 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1996	25,321.62	13,684	13,058	12,770	17.18	743
	25,321.62	13,684	13,058	12,770		743
INTERIM PROBABI	DE UNIT 2 - CC 1 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 50-R EAR 12-205				
2007 2014	3,502,124.00 5,004,388.86	831,817 457,051	823,304 452,373			88,014 141,206
	8,506,512.86	1,288,868	1,275,677	7,486,031		229,220



#### ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

YEAR		CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER PROBA	BY PEAKERS - CT RIM SURVIVOR CURVE ABLE RETIREMENT YE BALVAGE PERCENT	EAR 12-203				
2002	1,406,981.54	723,559	645,320	789,801	14.24	55,464
2007	128,681.04	53,632	47,833	83,422	14.43	5,781
2012	46,347.42	12,586	11,225	36,049	14.58	2,472
2013	303,577.34	70,953	63,281	246,368	14.60	16,875
2015	182,276.41	26,358	23,508	162,414	14.65	11,086
2016	691,152.95	63,807	56,908	648,069	14.67	44,176
	2,759,016.70	950,895	848,074	1,966,123		135,854
	16,187,931.92	3,908,626	3,307,397	13,338,329		523,430
	COMPOSITE REMAIN	ING LIFE AND	ANNUAL ACCRUAI	RATE, PERCEN	T 25.5	3.23



### ACCOUNT 343 PRIME MOVERS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
СНЕНА	LIS - CCCT					
	IM SURVIVOR CURV	E IOWA 40-L	0			
PROBA	BLE RETIREMENT Y	EAR 12-204	3			
NET S	ALVAGE PERCENT	-6				
	169,179,281.56	60,814,403	51,048,805	128,281,233	19.78	6,485,401
2005	339,674.18	111,912	93,941	266,113	20.00	13,306
2006	125,141.48	39,134	32,850	99,800	20.12	4,960
2007 2008	340,676.06 790,060.21	100,546 218,260	84,400 183,212	276,716 654,252	20.24 20.37	13,672 32,118
2010	3,130,940.55	732,923	615,230	2,703,567	20.57	130,987
2010	86,274.96	18,192	15,271	76,181	20.78	3,666
2011	2,248,108.59	417,811	350,719	2,032,276	20.78	97,099
2012	215,166.24	34,120	28,641	199,435	21.09	9,456
2014	160,738.11	20,761	17,427	152,955	21.26	7,194
2015	26,218,949.68	2,543,810	2,135,324	25,656,763	21.44	1,196,677
2016	10,504,063.95	644,454	540,967	10,593,340	21.65	489,300
2017	2,088,361.71	45,579	38,260	2,175,404	21.88	99,424
		,	,			,
	215,427,437.28	65,741,905	55,185,047	173,168,036		8,583,260
CURRA	NT CREEK - CCCT					
INTER	IM SURVIVOR CURV	E IOWA 40-L	0			
	BLE RETIREMENT Y		5			
NET S	ALVAGE PERCENT	-6				
2005	50,646,306.91	15,910,112	10,075,119	43,609,966	21.06	2,070,749
2005	107,679,135.88	32,097,277	20,325,683	93,814,201	21.19	4,427,287
2007	4,928.00	1,384	876	4,347	21.33	204
2008	9,489,854.63	2,491,876	1,577,987	8,481,259	21.47	395,028
2009	1,645,070.09	400,353	253,525	1,490,250	21.61	68,961
2010	232,120.70	51,621	32,689	213,359	21.77	9,801
2011	803,684.45	160,738	101,788	750,118	21.93	34,205
2012	3,102,604.88	546,263	345,922	2,942,839	22.09	133,220
2014	167,377.01	20,412	12,926	164,494	22.46	7,324
2016	21,001,172.83	1,213,683	768,568	21,492,675	22.89	938,955
2017	177,553.04	3,668	2,323	185,883	23.14	8,033
	194,949,808.42	52,897,387	33,497,405	173,149,392		8,093,767
	10100.42	52,051,501	55, 157, 105	1,0,14,,000		0,000,00



### ACCOUNT 343 PRIME MOVERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)		
INTER PROBA	STON - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203						
1996 1997 2002 2005 2006 2007 2008 2010 2011 2012 2013 2014 2015 2016 2017	76,748,419.95 1,377,217.67 1,208,473.81 6,213,249.13 5,923,087.31 5,724,917.22 2,267,063.09 1,904,409.90 58,319.18 1,650,719.84 1,654,657.53 819,060.17 2,549,632.01 2,937,133.64 678,365.04 1,292,072.56	39,632,922 697,039 537,035 2,465,125 2,241,912 2,055,878 765,566 599,549 16,885 433,921 385,162 163,712 417,308 363,695 53,678 35,803	37,819,690 665,149 512,465 2,352,344 2,139,343 1,961,820 730,541 572,119 16,113 414,069 367,541 156,222 398,216 347,056 51,222 34,165	42,766,150 780,930 756,432 4,171,568 4,079,899 4,049,343 1,649,875 1,427,511 45,123 1,319,187 1,369,850 703,791 2,278,898 2,736,935 661,061 1,322,511 70,119,063	15.21 15.27 15.59 15.79 15.86 15.93 16.01 16.09 16.18 16.26 16.36 16.46 16.57 16.68 16.68	2,811,713 51,141 48,520 264,191 257,245 254,196 103,053 88,720 2,789 81,131 83,732 42,758 137,532 164,085 39,325 77,932 4,508,063		
INTER PROBA	LAKE SIDE - CCCT INTERIM SURVIVOR CURVE IOWA 40-L0 PROBABLE RETIREMENT YEAR 12-2047 NET SALVAGE PERCENT6							
2007 2008 2009 2011 2012 2013 2014 2015 2017	160,577,664.69 67,210.77 115,285.75 6,797,345.62 81,988.97 12,907,026.64 519,478.92 36,386,456.91 1,123,825.19	43,107,973 16,844 26,739 1,294,628 13,722 1,842,481 60,076 3,152,297 21,621	21,987,760 8,591 13,639 660,341 6,999 939,780 30,643 1,607,868 11,028	148,224,565 62,652 108,564 6,544,845 79,909 12,741,668 520,005 36,961,776 1,180,227	22.35 22.51 22.67 23.01 23.20 23.39 23.60 23.82 24.35	6,631,972 2,783 4,789 284,435 3,444 544,749 22,034 1,551,712 48,469		
	218,576,283.46	49,536,381	25,266,649	206,424,211		9,094,387		



### ACCOUNT 343 PRIME MOVERS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROB	SIDE UNIT 2 - CCC RIM SURVIVOR CURVE ABLE RETIREMENT YE SALVAGE PERCENT	E IOWA 40-LO EAR 12-2054				
2007 2013 2014 2015 2016 2017	204,592.72 313,931,647.91 10,225,530.44 5,811,311.75	117,799 25,144 31,243,545 761,119 273,812 7,849 32,429,268	116,593 24,887 30,923,788 753,329 271,010 7,769	415,304 191,982 301,843,759 10,085,733 5,888,981 489,942 318,915,700	25.45 26.84 27.12 27.41 27.73 28.09	16,318 7,153 11,129,932 367,958 212,369 17,442
INTER PROB	BY PEAKERS - CT RIM SURVIVOR CURVE ABLE RETIREMENT YE SALVAGE PERCENT	G IOWA 40-SC	)			
2002 2003 2004 2005 2006 2007 2008 2010 2011 2012 2013 2014 2015	5,922,341.05 30,545.04 32,453.95 109,285.51 49,251.30 79,616.15 1,985,939.20 3,485,134.24 1,796,844.62 1,155,717.51 71,600.61 123,121.79 269,193.23	20,891,799 2,995,051 14,911 15,234 49,073 21,045 32,116 749,030 1,213,423 569,062 326,148 17,444 24,684 41,031 10,113	18,632,760 2,671,195 13,299 13,587 43,767 18,769 28,643 668,037 1,082,215 507,529 290,881 15,558 22,015 36,594 9,019 24,053,869	22,993,491 3,488,040 18,468 20,165 69,890 32,452 54,158 1,397,340 2,542,325 1,361,189 911,065 58,907 106,032 243,367 297,076 33,593,963	13.21 13.28 13.35 13.42 13.49 13.55 13.62 13.69 13.77 13.84 13.91 13.99 14.07 14.15 14.34	1,740,612 262,654 1,383 1,503 5,181 2,395 3,976 102,070 184,628 98,352 65,497 4,211 7,536 17,199 20,717
	1,128,535,345.92			975,370,365		44,548,563
	COMPOSITE REMAIN	ING LIFE AND A	ANNUAL ACCRUAL	RATE, PERCENT	21.9	9 3.95



### ACCOUNT 343 PRIME MOVERS - WIND

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	P - WIND IM SURVIVOR CURV BLE RETIREMENT V ALVAGE PERCENT	YEAR 12-205				
2010 2013 2014 2015 2017	206,599,791.93 20,305.71 188,028.72 538,205.54 643,807.94	39,379,408 2,501 18,465 38,747 9,728	53,048,138 3,369 24,874 52,196 13,105	155,617,652 17,140 165,035 491,391 637,141	30.78 31.17 31.29 31.40 31.60	5,055,804 550 5,274 15,649 20,163
	207,990,139.84	39,448,849	53,141,682	156,928,359		5,097,440
INTER PROBA	CREEK - WIND IM SURVIVOR CURV BLE RETIREMENT V ALVAGE PERCENT	YEAR 12-202				
1998 2007	31,636,040.11 55,540.88	19,706,643 26,088	21,833,826 28,904	10,118,575 27,192	11.62 11.79	870,790 2,306
2007	66,496.62	29,552	32,742	34,420	11.81	2,914
2009	146,932.06	61,306	67,924	80,478	11.82	6,809
2013	44,676.81	12,271	13,596	31,528	11.86	2,658
2014	150,586.24	34,251	37,948	114,144	11.87	9,616
2017	501,029.17	20,014	22,174	483,865	11.90	40,661
	32,601,301.89	19,890,125	22,037,113	10,890,202		935,754
INTER PROBA	OCK - WIND IM SURVIVOR CURV BLE RETIREMENT V ALVAGE PERCENT	YEAR 12-204				
	175,951,777.99	41,468,931	58,147,001	119,564,295	29.70	4,025,734
	252,663,211.97	54,480,480	76,391,565	178,798,279	29.84	5,991,899
2010	220,203.87	42,935	60,203	162,203	29.97	5,412
2011	1,201,810.03	208,208	291,946	921,883	30.09	30,638
2012 2013	1,630,665.64	245,415 216,778	344,117 303,962	1,302,856 1,431,232	30.21 30.33	43,127
2013	1,718,014.18 2,614,617.32	263,997	370,172	2,270,592	30.33	47,189 74,617
2014	2,011,011.32	203,331	310,112	2,210,372	20.42	7 1 7 0 1 7



### ACCOUNT 343 PRIME MOVERS - WIND

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	OCK - WIND IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	YEAR 12-204				
2015 2016 2017	2,262,572.14	156,088 103,291 35,048	218,864 144,833 49,144	1,906,514 2,140,365 2,229,660	30.53 30.63 30.72	62,447 69,878 72,580
	442,623,448.26	97,221,171	136,321,806	310,727,877		10,423,521
INTER PROBA	OE HILLS - WIND IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	YEAR 12-204				
2010 2011 2012 2013 2014 2015 2016 2017 HIGH INTER	156,107,024.23 83,525.88 1,765,391.67 453,573.39 1,087,103.16 1,081,125.44 2,048,743.95 58,611.71 1,506,005.68 164,191,105.11 PLAINS / MCFADDE IM SURVIVOR CURV BLE RETIREMENT Y	E IOWA 55-F		107,925,663 62,343 1,369,543 365,818 912,521 944,351 1,863,777 55,580 1,489,437	29.70 29.97 30.09 30.21 30.33 30.43 30.53 30.63 30.72	3,633,861 2,080 45,515 12,109 30,086 31,034 61,047 1,815 48,484 3,866,031
	ALVAGE PERCENT					
2009 2011 2013 2014 2015 2016 2017	1,281,920.04 515,126.22 556,902.64	52,375,921 23,373 49,102 129,435 38,209 25,424 20,057	70,907,703 31,643 66,475 175,232 51,728 34,420 27,154	174,424,260 104,619 326,560 1,119,507 468,549 528,052 1,276,920	29.84 30.09 30.33 30.43 30.53 30.63 30.72	5,845,317 3,477 10,767 36,790 15,347 17,240 41,566
	247,072,101.06	52,661,521	71,294,355	178,248,467		5,970,504



### ACCOUNT 343 PRIME MOVERS - WIND

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAB	G JUNIPER - WINI M SURVIVOR CURVI LE RETIREMENT Y LVAGE PERCENT	E IOWA 55-R EAR 12-204				
2009 2010 2011 2012 2013 2014 2015 2016 2017	148,146,277.27 1,370,423.52 231,371.92 1,006,392.49 250,954.99 1,289,285.96 2,825,735.84 1,779,572.45 1,135,757.38 1,653,936.53	40,453,356 295,497 45,113 174,353 37,769 162,681 285,314 131,999 51,850 25,692 41,663,624	57,115,174 417,205 63,694 246,165 53,325 229,686 402,828 186,366 73,206 36,274 58,823,924	92,512,566 966,922 169,992 770,291 200,139 1,072,493 2,451,165 1,611,002 1,073,909 1,634,202	29.39 29.84 29.97 30.09 30.21 30.33 30.43 30.53 30.63 30.72	3,147,757 32,404 5,672 25,600 6,625 35,361 80,551 52,768 35,061 53,197
INTERI PROBAB	O - WIND M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2008 : 2012 2013 2014 2015 2016 2017	210,819,013.57 112,757,867.83 1,002,643.08 488,007.33 414,108.97 999,005.20 1,980,349.82 1,840,688.78	53,717,275 26,575,169 150,898 61,576 41,812 74,101 90,407 28,593	78,450,904 38,811,463 220,378 89,928 61,064 108,220 132,034 41,758	134,476,300 75,073,983 792,292 402,959 357,186 900,775 1,868,119 1,817,337	29.55 29.70 30.21 30.33 30.43 30.53 30.63 30.72	4,550,805 2,527,744 26,226 13,286 11,738 29,505 60,990 59,158
INTERI PROBAB	MILE HILL - WIND M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	E IOWA 55-R EAR 12-204				
2008 2009 2010 2011 2012	210,099,784.22 372,891.59 97,381.98 525,844.17 645,086.37	49,517,052 80,405 18,988 91,100 97,086	104,956 24,786 118,917	147,564,095 271,664 73,570 412,186 524,807	29.70 29.84 29.97 30.09 30.21	4,968,488 9,104 2,455 13,698 17,372



### ACCOUNT 343 PRIME MOVERS - WIND

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROB <i>I</i>	N MILE HILL - WINC RIM SURVIVOR CURVE ABLE RETIREMENT YE SALVAGE PERCENT	C IOWA 55-R2 CAR 12-2049				
2013	633,338.37	79,914	104,315	535,357	30.33	17,651
2014		129,288	168,765	•	30.43	36,954
2015	,,	59,736	77,976	735,419	30.53	24,088
2016	1,439,481.72	65,715	85,781	1,368,096	30.63	44,665
2017	2,059,600.86	31,993	41,762	2,038,435	30.72	66,355
	217,959,211.65	50,171,277	65,490,674	154,648,130		5,200,830
	1,802,428,700.74	419,403,008	575,869,287	1,244,583,701		42,248,528
	COMPOSITE REMAINI	NG LIFE AND A	ANNUAL ACCRUA	L RATE, PERCENT	29.	5 2.34



### ACCOUNT 344 GENERATORS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER: PROBA	LIS - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	TEAR 12-204				
2003 2010 2012 2014 2015 2016 2017	66,216,352.83 553,055.13 1,138,937.15 104,670.55 1,942,255.90 171,250.43 45,262.92 70,171,784.91	25,366,988 131,240 210,380 13,151 179,852 9,823 890 25,912,324	21,293,548 110,165 176,597 11,039 150,971 8,246 747 21,751,314	48,233,622 470,542 1,019,287 98,865 1,888,397 171,567 46,779	23.71 24.59 24.78 24.94 25.02 25.09 25.16	2,034,316 19,136 41,133 3,964 75,475 6,838 1,859
INTER: PROBA	NT CREEK - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 50-R EAR 12-204	2.5	51,929,060		2,102,721
2005 2006 2010 2011 2012 2013 2014 2016	13,014,415.91 49,456,642.22 13,093.50 41,309.86 366,273.24 33,363.21 62,719.94 116,748.30 63,104,566.18	4,312,171 15,431,363 2,949 8,287 63,914 4,904 7,402 6,318	2,730,693 9,771,949 1,867 5,248 40,474 3,105 4,687 4,001	10,934,444 42,157,525 11,881 38,128 344,113 31,926 61,169 118,585	25.55 25.71 26.26 26.38 26.49 26.60 26.69 26.87	427,963 1,639,733 452 1,445 12,990 1,200 2,292 4,413
INTER: PROBA	STON - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 50-R EAR 12-203	2.5	53,697,769		2,030,400
1996 2003 2006 2007 2013 2014	36,610,143.37 2,555,295.89 761,984.00 233,987.65 38,671.31 1,023,315.63	20,368,361 1,153,518 299,345 86,756 7,696 165,256	19,436,496 1,100,744 285,650 82,787 7,344 157,695	18,638,053 1,556,764 506,814 160,560 32,874 906,553	17.36 17.98 18.17 18.23 18.51 18.55	1,073,621 86,583 27,893 8,807 1,776 48,871



### ACCOUNT 344 GENERATORS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	STON - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
2015	52,037.34	6,282	5,995	48,124	18.58	2,590
2016	64,799.62	4,934	4,708	62,683		3,368
2017	992,924.33	26,446	25,236	1,007,405	18.64	54,045
	42,333,159.14	22,118,594	21,106,655	22,919,831		1,307,554
INTER:	SIDE - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
2007	64,985,700.00	18,151,188	9,258,241	58,976,744	27.40	2,152,436
2008	24,869.69	6,432	3,281	22,832	27.57	828
2009	773,922.59	183,530	93,612	719,007	27.73	25,929
2011	2,048,091.71	390,036	198,943	1,951,554	28.03	69,624
2013	88,115.56	12,256	6,251	86,270	28.29	3,049
2014	166,880.06	18,532	9,452	165,772	28.41	5,835
2015	523,023.22	42,792	21,827	527,348	28.52	18,490
2016	63,529.62	3,217	1,641	65,065	28.62	2,273
2017	554,569.01	9,573	4,883	577,415	28.72	20,105
	69,228,701.46	18,817,556	9,598,130	63,092,007		2,298,569
INTER:	SIDE UNIT 2 - CC IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 50-R EAR 12-205				
2014	154,095,294.87	14,476,251	14,328,097	147,471,963	33.99	4,338,687
2015	75,123.26	5,154	5,101	73,778		2,158
2017	413.01	6	6	428	34.56	12
	154,170,831.14	14,481,411	14,333,204	147,546,169		4,340,857



### ACCOUNT 344 GENERATORS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIN PROBABI	PEAKERS - CT 1 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
2011 2012 2013 2014 2015 2017	12,433.83 1,040,139.82 966,869.74 1,078,573.43	55,720 3,425 246,420 187,892 158,063 15,787	49,695 3,055 219,775 167,575 140,972 14,080	135,042 9,752 851,569 828,301 969,959 478,502	14.68 14.71 14.73 14.75 14.77 14.80	9,199 663 57,812 56,156
INTERIN PROBABI	IC CITY - SOLAR M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E SQUARE EAR 12-202	.7			
2007	5,545.93	2,841	3,267	2,279	10.00	228
	5,545.93	2,841	3,267	2,279		228
INTERIN PROBABI	LANDS - SOLAR 1 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-201	.4			
1994	36,389.01	36,389	50,374	13,985-		
	36,389.01	36,389	50,374	13,985-		
INTERIN PROBABI	RIVER - SOLAR M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-201	.4			
1994 1998	54,223.15 863.63	54,223 864	54,223 22,159	21,296-		
	55,086.78	55,087	76,383	21,296-		



### ACCOUNT 344 GENERATORS

	ORIGINAL COST (2)	ACCRUED		ACCRUALS	LIFE	ACCRUAL		
INTER PROB <i>A</i>	N HIGH DESERT - IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	YE IOWA 50-1 YEAR 12-201						
1995	56,321.97	56,322	67,257	10,935-				
	56,321.97	56,322	67,257	10,935-				
SURVI	SIDE MOBILE GENE VOR CURVE IOWA ALVAGE PERCENT	50-R2.5						
2005	839,680.12	192,791	367,998	471,683	38.52	12,245		
	839,680.12	192,791	367,998	471,683		12,245		
SURVI	WEST SIDE MOBILE GENERATOR SURVIVOR CURVE IOWA 50-R2.5 NET SALVAGE PERCENT 0							
2009	849,226.01	134,008	254,235	594,991	42.11	14,129		
	849,226.01	134,008	254,235	594,991		14,129		
	418,691,319.75	109,674,651	87,332,572	351,421,070		13,020,805		
	COMPOSITE REMAIN	NING LIFE AND	ANNUAL ACCRUAI	L RATE, PERCENT	27.	.0 3.11		



### ACCOUNT 344 GENERATORS - WIND

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	P - WIND M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-205				
2010 2014 2015 2017	5,555,132.77 1,001,384.99 10,563.45 66,167.02	1,156,774 110,693 863 1,175	1,558,295 149,115 1,163 1,583	4,163,492 882,312 9,718 66,569		161,564 32,739 356 2,383
	6,633,248.23	1,269,505	1,710,155	5,122,091		197,042
INTERI PROBAE	CREEK - WIND M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1998	1,498,502.14	917,446	1,016,478	497,010	10.70	46,450
2014 2015	72,322.24 215,911.79	16,649 38,171	18,446 42,291	54,599 175,780	11.45 11.50	4,768 15,285
2015	45,614.98	5,229	5,793	40,278	11.56	3,484
2017	184,145.18	7,519	8,331	177,656	11.63	15,276
	2,016,496.33	985,014	1,091,339	945,322		85,263
INTERI PROBAE	OCK - WIND M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
2008	5,215,715.00	1,320,913	1,852,161	3,520,025	24.72	142,396
2009	8,272,743.00	1,931,097	2,707,750	5,813,175	24.98	232,713
2013	34,139.38	4,776	6,697	28,467	26.09	1,091
2014	49,940.91	5,627	7,890	43,549	26.38	1,651
2015	114,958.43	9,623	13,493	104,914	26.68	3,932
2017	25,267.46	459	644	25,382	27.32	929
	13,712,764.18	3,272,495	4,588,635	9,535,512		382,712



### ACCOUNT 344 GENERATORS - WIND

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIN PROBABI	E HILLS - WIND M SURVIVOR CURVI LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2008 2011 2014 2017	4,193,498.08 190,616.69 19,044.91 24,752.67	1,062,030 36,090 2,146 449	1,435,860 48,794 2,901 607	2,883,443 147,542 16,715 24,888	24.72 25.53 26.38 27.32	116,644 5,779 634 911
	4,427,912.35	1,100,715	1,488,162	3,072,588		123,968
INTERIM PROBABI	LAINS / MCFADDE M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 40-S EAR 12-204				
2009 2014 2017	6,771,378.43 236,795.88 78,487.24	1,580,635 26,680 1,424	2,139,899 36,120 1,928	4,834,621 207,780 78,914	24.98 26.38 27.32	193,540 7,876 2,889
	7,086,661.55	1,608,739	2,177,947	5,121,314		204,305
INTERIM PROBABI	G JUNIPER - WIN M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 40-S EAR 12-204				
2006	4,871,812.92	1,414,966	1,997,759	3,020,209	24.19	124,854
2009	272,361.02	63,577	89,763	190,769	24.98	7,637
2010	98,103.13	20,812	29,384	71,662	25.25	2,838
2012	24,148.75	3,997	5,643	19,230	25.80	745
2014 2015	14,266.70 139,643.45	1,607 11,689	2,269 16,503	12,426 127,329	26.38 26.68	471 4,772
2015	91,333.00	1,658	2,341	91,732	27.32	3,358
201,					2,.52	
	5,511,668.97	1,518,306	2,143,662	3,533,357		144,675



### ACCOUNT 344 GENERATORS - WIND

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)			
INTER:	GO - WIND IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204							
2007 2008 2011 2012 2013 2014 2015 2016 2017	5,176,559.15 2,379,504.00 120,567.87 134,727.87 820,989.19 524,480.65 535,053.03 859,189.10 2,179,416.92	1,409,956 602,625 22,828 22,300 114,843 59,094 44,788 44,823 39,553	2,059,157 880,098 33,339 32,568 167,721 86,303 65,410 65,461 57,765	3,272,699 1,570,791 90,846 106,202 677,897 453,912 485,694 819,503 2,187,035	24.45 24.72 25.53 25.80 26.09 26.38 26.68 26.99 27.32	133,853 63,543 3,558 4,116 25,983 17,207 18,204 30,363 80,053			
INTER:	SEVEN MILE HILL - WIND INTERIM SURVIVOR CURVE IOWA 40-S0 PROBABLE RETIREMENT YEAR 12-2049 NET SALVAGE PERCENT3								
2008 2016 2017	6,599,515.22 6,848.01 85,527.05	1,671,369 357 1,552	2,181,708 466 2,026	4,615,793 6,587 86,067	24.72 26.99 27.32	186,723 244 3,150			
	6,691,890.28	1,673,278	2,184,200	4,708,447		190,117			
	58,811,129.67	13,788,862	18,831,923	41,703,210		1,704,962			



COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 24.5 2.90

### ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	LIS - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
2003 2008 2009 2011 2012 2014 2017	37,662,367.37 92,190.00 12,916.20 507,119.22 72,801.53 17,122.82 41,919.80	13,860,738 25,300 3,263 104,068 13,037 2,083 814	11,634,977 21,237 2,739 87,357 10,944 1,749 683	26,780,638 72,796 10,435 429,905 63,314 15,717 42,075	25.28 25.51 25.55 25.61 25.64 25.70 25.77	1,059,361 2,854 408 16,787 2,469 612 1,633
INTERI PROBAE	38,406,436.94  NT CREEK - CCCT  IM SURVIVOR CURV  BLE RETIREMENT Y  ALVAGE PERCENT.	EAR 12-204		27,414,881		1,084,124
2005 2006 2007 2010 2011 2012 2013 2014 2015 2016 2017	26,216,100.38 14,490,110.12 57,254.48 1,429,207.56 4,230.88 40,195.85 90,425.56 157,495.52 116,286.63 280,050.22 36,949.12 42,918,306.32	8,322,956 4,338,643 16,059 309,941 818 6,769 12,860 17,925 9,759 14,585 668	5,270,533 2,747,457 10,169 196,271 518 4,286 8,144 11,351 6,180 9,236 423 8,264,568	21,469,889 12,032,456 48,230 1,261,521 3,797 36,713 84,090 149,294 112,432 276,415 37,265	27.24 27.29 27.34 27.48 27.52 27.56 27.69 27.63 27.66 27.69 27.71	788,175 440,911 1,764 45,907 138 1,332 3,048 5,403 4,065 9,982 1,345
INTERI PROBAE	STON - CCCT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
1996 2006 2011	8,981,562.73 10,632.61 116,182.62	4,880,534 4,098 30,259	4,657,246 3,911 28,875	4,503,948 6,935 89,632	18.48 18.75 18.84	243,720 370 4,758



### ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERII PROBABI	ION - CCCT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
2014 2016 2017	199,142.92 460,275.52 13,391.55		30,168 32,740 336	172,958 436,741 13,323	18.90	9,161 23,108 705
	9,781,187.95	4,981,167	4,753,275	5,223,537		281,822
INTERII PROBAB	IDE - CCCT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2014	109,213.23	5,960 189,012 5,744 11,825	3,040 96,408 2,930	38,669,551 21,506 840,499 33,856 106,458 513,532	29.25 29.36 29.45 29.54	735 28,627
	44,907,588.65	11,899,357	6,069,415	40,185,401		1,375,742
INTERII PROBABI	IDE UNIT 2 - CC M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 70-R EAR 12-205				
	75,362,052.54 71,309.04		6,655,704 978	70,213,589 71,757		1,945,514 1,978
	75,433,361.58	6,725,514	6,656,682	70,285,347		1,947,492
INTERII PROBABI	PEAKERS - CT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
2002 2004 2006 2007	1,791,276.57 192,682.21 50,905.13 658,391.98	929,319 93,148 22,533 276,589	828,831 83,076 20,096 246,681	998,271 113,460 31,827 424,878	14.81 14.84 14.87 14.88	67,405 7,646 2,140 28,554



### ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	Y PEAKERS - CT IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-203				
2012	164,287.87	44,955	40,094	127,480	14.92	8,544
2015	43,948.95	6,404	5,712	39,116	14.94	2,618
2017	50,627.27	1,671	1,490	50,150	14.95	3,355
	2,952,119.98	1,374,619	1,225,981	1,785,181		120,262
	214,399,001.42	52,040,943	38,729,606	180,406,451		6,111,512
	COMPOSITE REMAIN	ING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	29.5	2.85



### ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT - WIND

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	P - WIND IM SURVIVOR CURVI BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-205				
2010 2011 2014 2017	12,131,672.77 161,510.00 17,438.27 4,690.78	2,375,119 28,178 1,776 75	3,199,531 37,959 2,392 101	9,053,459 125,166 15,220 4,637	29.82 29.98 30.49 30.98	303,604 4,175 499 150
	12,315,311.82	2,405,148	3,239,983	9,198,482		308,428
INTER:	CREEK - WIND IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202				
1998	2,857,350.55	1,778,422	1,970,389	915,535	11.44	80,029
2012	4,415.08	1,405	1,557	2,903	11.78	246
2014	65,233.69	14,953	16,567	49,319	11.82	4,173
2017	22,207.42	905	1,003	21,427	11.89	1,802
	2,949,206.74	1,795,685	1,989,515	989,184		86,250
INTERI PROBA	OCK - WIND IM SURVIVOR CURVI BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
2008	11,024,679.00	2,656,125	3,724,371	7,410,555	28.73	257,938
2009	17,341,691.86	3,835,459	5,378,012	12,137,096	28.89	420,114
2010	147,227.31	29,502	41,367	107,332	29.05	3,695
2011	796,366.21	141,956	199,048	605,282	29.21	20,722
2012	41,714.13	6,461	9,059	33,072	29.37	1,126
2013	10,783.02	1,407	1,973	8,918	29.53	302
2014	148,418.83	15,483	21,710	128,193	29.69	4,318
2016	40,747.45	1,935	2,713	38,442	30.00	1,281
2017	66,893.19	1,080	1,514	66,048	30.16	2,190
	29,618,521.00	6,689,408	9,379,769	20,534,937		711,686



### ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT - WIND

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	DE HILLS - WIND  M SURVIVOR CURV  BLE RETIREMENT Y  LLVAGE PERCENT	EAR 12-204				
2008 2009 2011 2012 2013 2014 2015 2016 2017	6,749,975.87 494,679.02 496,016.30 244,247.45 394,409.24 631,525.05 240,554.89 204,801.23 1,851,091.97	1,626,241 109,408 88,417 37,832 51,455 65,883 18,504 9,724 29,895	2,198,671 147,919 119,539 51,149 69,567 89,074 25,017 13,147 40,418	4,618,804 351,707 381,437 195,541 328,786 548,767 217,943 193,702 1,829,185	28.73 28.89 29.21 29.37 29.53 29.69 29.84 30.00 30.16	160,766 12,174 13,058 6,658 11,134 18,483 7,304 6,457 60,649
INTERI PROBAE	LAINS / MCFADDE M SURVIVOR CURV BLE RETIREMENT Y LLVAGE PERCENT	E IOWA 60-S EAR 12-204				
2009 2011 2013 2017	14,578,532.81 161,510.00 9,874.72 36,135.34 14,786,052.87	3,224,331 28,790 1,288 584 3,254,993	4,365,172 38,977 1,744 791 4,406,683	10,359,146 124,149 8,230 35,706	28.89 29.21 29.53 30.16	358,572 4,250 279 1,184 364,285
INTERI PROBAE	IG JUNIPER - WIN M SURVIVOR CURV BLE RETIREMENT Y LLVAGE PERCENT	D E IOWA 60-S EAR 12-204	0.5	,,,,		213,200
2006 2009 2011 2013 2014 2017	8,380,672.89 531,162.07 86,802.33 139,737.29 36,703.75 83,926.38	2,349,838 118,640 15,626 18,411 3,867 1,369	3,317,683 167,505 22,062 25,994 5,460 1,933	5,230,603 374,280 66,476 116,538 31,978 83,672	28.41 28.89 29.21 29.53 29.69 30.16	184,111 12,955 2,276 3,946 1,077 2,774
	9,259,004.71	2,507,751	3,540,637	5,903,548		207,139



### ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT - WIND

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	GO - WIND IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-204				
2007 2008 2009 2010 2012 2017	13,324,242.08 5,582,153.86 18,088.88 745,197.73 33,566.39 63,215.05	3,494,855 1,358,198 4,040 150,804 5,251 1,031	5,104,029 1,983,568 5,900 220,240 7,669 1,506	8,486,698 3,710,229 12,550 539,861 26,569 62,974	28.57 28.73 28.89 29.05 29.37 30.16	297,049 129,141 434 18,584 905 2,088
INTER PROBA	19,766,463.99  MILE HILL - WIN IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 60-S EAR 12-204		12,838,881		448,201
2008 2009 2010 2011 2013 2014 2016 2017	12,655,661.26 195,227.41 152,766.12 191,089.62 19,676.32 46,437.97 89,797.64 145,255.86 13,495,912.20	3,079,259 43,606 30,915 34,400 2,592 4,893 4,306 2,369 3,202,340	4,019,486 56,921 40,355 44,904 3,383 6,387 5,621 3,092	8,889,288 142,211 115,467 150,008 16,686 40,980 85,973 145,069	28.73 28.89 29.05 29.21 29.53 29.69 30.00 30.16	309,408 4,922 3,975 5,136 565 1,380 2,866 4,810
	13,495,912.20	26,906,863	36,814,149	78,243,816		2,755,734



COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 28.4 2.43

### ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIN PROBABI	IS - CCCT I SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
	85,003.95	17,499	961,960 14,689 13,831	2,191,890 72,015 79,822	25.43	88,098 2,832 3,133
	3,268,830.29	1,179,959	990,480	2,343,727		94,063
INTERIM PROBABI	CREEK - CCCT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2005 2013	2,926,278.75 57,065.44	936,393 8,148	592,973 5,160	2,391,831 53,047		89,181 1,936
	2,983,344.19	944,541	598,133	2,444,878		91,117
INTERIN PROBABI	TON - CCCT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-203				
1996 2017	124,720.52 85,118.41	68,035 2,240	64,922 2,138	62,292 84,683		3,426 4,485
2017	209,838.93	70,275	67,060	146,976	10.00	7,911
INTERIN PROBABI	IDE - CCCT M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2007	2,451,484.27	660,311	336,800	2,163,714	28.76	75,233
	2,451,484.27	660,311	336,800	2,163,714		75,233



### ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	SIDE UNIT 2 - CCC IM SURVIVOR CURVE BLE RETIREMENT YE ALVAGE PERCENT	E IOWA 60-R EAR 12-205				
2007	700,425.00	162,129	160,470	546,959	34.61	15,803
2014	2,969,982.99	265,592	262,874	2,736,809	35.62	76,833
	3,670,407.99	427,721	423,344	3,283,768		92,636
	12,583,905.67	3,282,807	2,415,817	10,383,063		360,960
	COMPOSITE REMAIN	ING LIFE AND	ANNIIAI. ACCRIIAI	RATE PERCENT	г 28.8	2 87



### ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT - WIND

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PROBABL	- WIND SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	TEAR 12-205				
2010	149,099.80	28,195	37,981	111,119	31.69	3,506
	149,099.80	28,195	37,981	111,119		3,506
INTERIM PROBABL	K - WIND SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	TEAR 12-204				
2008	497,663.00	116,349	163,143	334,520	30.61	10,928
2009	659,497.00	141,251	198,060	461,437		15,026
2015 2016	504,279.86 3,188.56	37,100 144	52,021 202	452,259 2,987		14,482 95
2017	1,138.46	18	25	1,113		35
	1,665,766.88	294,862	413,451	1,252,316		40,566
INTERIM PROBABL	HILLS - WIND SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	TEAR 12-204				
2008	171,923.00	40,194	54,342	117,581	30.61	3,841
	171,923.00	40,194	54,342	117,581		3,841
INTERIM PROBABL	AINS / MCFADDE SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	YE IOWA 60-R YEAR 12-204				
2009	113,716.50	24,356	32,974	80,742	30.71	2,629
	113,716.50	24,356	32,974	80,742		2,629



### ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT - WIND

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)			ANNUAL ACCRUAL (7)
INTERIM PROBABI	JUNIPER - WIN I SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	E IOWA 60-R EAR 12-204				
2006	81,035.73	21,932	30,965	50,071	30.37	1,649
	81,035.73	21,932	30,965	50,071		1,649
INTERIM PROBABI	) - WIND 1 SURVIVOR CURV E RETIREMENT Y LVAGE PERCENT	EAR 12-204				
2007		41,150	60,097	102,746		
2008	174,276.00	40,744	59,504	114,772	30.61	3,749
	337,118.68	81,894	119,601	217,518		7,119
INTERIM PROBABI	MILE HILL - WIN MI SURVIVOR CURV ME RETIREMENT Y MUNGE PERCENT	E IOWA 60-R EAR 12-204				
	490,081.27			340,520		
		5,202	· ·	23,497		760
2015 2016	281,859.24 1,594.28	20,736 72	27,068	254,792 1,500		48
	803,821.77	140,586	183,513	620,309		20,091
	3,322,482.36	632,019	872,827	2,449,656		79,401



COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 30.9 2.39

### ACCOUNT 350.2 LAND RIGHTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	R CURVE IOWA	80-R4				
NET SALV	VAGE PERCENT	0				
1907	2,235.74	2,168	2,236			
1908	2,569.22	2,483	2,569			
1909	5,358.13	5,164	5,358			
1910	60.74	58	61			
1911	12,345.02	11,822	12,345			
1912	5,125.84	4,893	5,126			
1913	31,870.51	30,325	31,871			
1914	5,935.95	5,629	5,936			
1915	4,690.00	4,432	4,690			
1916	17,544.69	16,523	17,545			
1917	75,223.79	70,598	75,224			
1918	210.70	197	211			
1919	4,775.09	4,450	4,775	1	5.72	1
1920 1921	3,861.89	3,586	3,858	4		1 2
1921	3,088.94 2,713.59	2,858 2,501	3,075 2,691	14 23	5.99 6.27	4
1922	12,048.23	11,062	11,900	148	6.55	23
1923	3,722.82	3,405	3,663	60	6.84	9
1925	3,676.76	3,349	3,603	74	7.13	10
1926	1,854.71	1,682	1,809	46	7.13	6
1927	20,481.70	18,500	19,902	580	7.74	75
1928	1,279.94	1,151	1,238	42	8.05	5
1929	1,727.13	1,546	1,663	64	8.38	8
1930	599.82	535	576	24	8.71	3
1931	285.12	253	272	13	9.06	1
1932	762.82	673	724	39	9.43	4
1933	277.50	244	262	16	9.80	2
1934	1,196.67	1,044	1,123	74	10.20	7
1935	1,784.76	1,548	1,665	120	10.60	11
1936	848.77	732	787	62	11.03	6
1937	1,298.17	1,112	1,196	102	11.48	9
1938	668.37	569	612	56	11.94	5
1939	831.94	703	756	76	12.43	6
1940	775.02	650	699	76	12.93	6
1941	11,184.20	9,302	10,007	1,177	13.46	87
1942	492.95	407	438	55	14.01	4
1943	7,417.04	6,065	6,525	892	14.58	61
1944	29,408.10	23,835	25,641	3,767	15.16	248
1945	7,488.30	6,012	6,468	1,020	15.77	65
1946	311,837.46	247,948	266,739	45,098	16.39	2,752
1947	9,309.58	7,329	7,884	1,426	17.02	84



### ACCOUNT 350.2 LAND RIGHTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIIRVIVO	R CURVE IOWA	80-R4				
	VAGE PERCENT					
1948	14,651.02	11,415	12,280	2,371	17.67	134
1949	18,308.82	14,114	15,184	3,125	18.33	170
1950	125,609.49	95,762	103,020	22,589	19.01	1,188
1951	137,813.69	103,912	111,787	26,027	19.68	1,323
1952	137,034.51	102,143	109,884	27,151	20.37	1,333
1953	371,822.66	273,892	294,650	77,173	21.07	3,663
1954	580,020.42	422,110	454,101	125,919	21.78	5,781
1955	208,705.35	150,034	161,405	47,300	22.49	2,103
1956	460,368.80	326,807	351,575	108,794	23.21	4,687
1957	337,617.70	236,542	254,469	83,149	23.95	3,472
1958 1959	299,593.21	207,133	222,831	76,762	24.69	3,109
1959	513,739.63 232,871.37	350,370 156,606	376,924	136,816 64,396	25.44 26.20	5,378 2,458
1961	506,471.72	335,730	168,475 361,174	145,298	26.20	5,387
1962	2,206,590.88	1,441,169	1,550,392	656,199	27.75	23,647
1963	669,868.95	430,893	463,549	206,320	28.54	7,229
1964	298,732.34	189,172	203,509	95,223	29.34	3,246
1965	254,857.09	158,807	170,843	84,014	30.15	2,787
1966	687,771.60	421,521	453,467	234,305	30.97	7,566
1967	137,496.41	82,858	89,138	48,358	31.79	1,521
1968	580,609.01	343,790	369,845	210,764	32.63	6,459
1969	459,033.21	266,983	287,217	171,816	33.47	5,133
1970	460,405.54	262,892	282,816	177,590	34.32	5,175
1971	1,096,682.66	614,416	660,981	435,702	35.18	12,385
1972	798,223.32	438,528	471,763	326,460	36.05	9,056
1973	666,545.58	358,855	386,052	280,494	36.93	7,595
1974	511,285.22	269,642	290,078	221,207	37.81	5,850
1975	2,745,623.52	1,417,428	1,524,851	1,220,773	38.70	31,545
1976	226,012.58	114,136	122,786	103,227	39.60	2,607
1977	3,057,163.71	1,509,077	1,623,446	1,433,718	40.51	35,392
1978	307,560.43	148,321	159,562	147,998	41.42	3,573
1979	3,406,318.55	1,603,524	1,725,051	1,681,268	42.34	39,709
1980	6,753,703.40	3,101,638	3,336,704	3,416,999	43.26	78,987
1981	5,665,312.26	2,535,907	2,728,097	2,937,215	44.19	66,468
1982	2,178,435.15	949,798	1,021,781	1,156,654	45.12	25,635
1983	746,113.10	316,538	340,528	405,585	46.06	8,806
1984	392,981.20	162,058	174,340	218,641	47.01	4,651
1985	198,880.13	79,651	85,688	113,192	47.96	2,360
1986	1,052,313.28	408,950	439,943	612,370	48.91	12,520
1987	367,203.45	138,296	148,777	218,426	49.87	4,380
1988	354,500.88	129,258	139,054	215,447	50.83	4,239



### ACCOUNT 350.2 LAND RIGHTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	VOR CURVE IOWA					
NET S.	ALVAGE PERCENT	0				
1989	180,642.18	63,698	68,526	112,116	51.79	2,165
1990	374,347.40	127,465	137,125	237,222	52.76	4,496
1991	3,256,978.51	1,069,527	1,150,584	2,106,395	53.73	39,203
1992	2,314,043.41	731,816	787,279	1,526,764	54.70	27,912
1993	5,304,679.27	1,612,622	1,734,839	3,569,840	55.68	64,114
1994	860,565.25	251,070	270,098	590,467	56.66	10,421
1995	285,743.21	79,865	85,918	199,825	57.64	3,467
1996	721,080.85	192,709	207,314	513,767	58.62	8,764
1997	263,059.48	67,049	72,130	190,929	59.61	3,203
1998	452,644.31	109,821	118,144	334,500	60.59	5,521
1999	200,200.00	46,096	49,590	150,610	61.58	2,446
2000	110,890.59	24,161	25,992	84,899	62.57	1,357
2001	486,842.56	100,046	107,628	379,215	63.56	5,966
2002	265,758.50	51,323	55,213	210,546	64.55	3,262
2003	871,549.52	157,533	169,472	702,078	65.54	10,712
2004	187,922.90	31,618	34,014	153,909	66.54	2,313
2005	804,727.33	125,441	134,948	669,779	67.53	9,918
2006	1,878,249.52	269,303	289,713	1,588,537	68.53	23,180
2007	2,488,276.80	325,964	350,668	2,137,609	69.52	30,748
2008	11,140,108.61	1,320,103	1,420,150	9,719,959	70.52	137,833
2009	4,235,330.68	449,453	483,516	3,751,815	71.51	52,466
2010	67,753,652.78	6,343,097	6,823,825	60,929,828	72.51	840,296
2011	4,118,490.46	334,092	359,412	3,759,078	73.51	51,137
2012	5,947,645.05	408,127	439,058	5,508,587	74.51	73,931
2013	25,213,514.50	1,414,982	1,522,220	23,691,294	75.51	313,750
2014	1,772,123.66	77,530	83,406	1,688,718	76.50	22,075
2015	14,066,516.27	439,579	472,893	13,593,623	77.50	175,402
2016	3,392,302.77	63,606	68,426	3,323,877	78.50	42,342
2017	6,370,559.48	39,816	42,834	6,327,725	79.50	79,594
	206,152,165.41	37,525,531	40,366,675	165,785,490		2,510,205

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 66.0 1.22



### ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA /AGE PERCENT					
1911	407.95	431	449			
1912	68,233.05	71,754	75,056			
1913	40,877.23	42,820	44,965			
1914	179,971.14	187,814	197,968			
1916	294.36	305	324			
1918	36,566.41	37,568	40,223			
1919	10,782.95	11,036	11,861	-	F 20	
1921	121.06	123	132	1	5.39	2.5
1922	17,363.65	17,558	18,890	210	5.65	37
1923	152.10	153	165	2	5.91	4 -
1924	13,380.87	13,424 853	14,443 918	276 21	6.16	45
1925 1926	853.81 1,071.38	1,066	1,147	32	6.43 6.69	3 5
1928	11,250.29	11,099	11,941	434	7.22	60
1929	145.12	143	154	6	7.49	1
1931	33,785.28	32,890	35,386	1,778	8.05	221
1932	546.22	529	569	32	8.34	4
1936	71.28	68	73	5	9.58	1
1937	1,163.67	1,099	1,182	98	9.91	10
1938	446.16	419	451	40	10.25	4
1939	1,550.07	1,447	1,557	148	10.61	14
1940	295.18	274	295	30	10.97	3
1941	83,559.09	77,012	82,856	9,059	11.35	798
1942	720.28	659	709	83	11.74	7
1943	1,828.05	1,662	1,788	223	12.15	18
1944	556.99	503	541	72	12.56	6
1945	1,602.26	1,435	1,544	218	12.99	17
1946	2,216.07	1,970	2,120	318	13.43	24
1947	34,242.51	30,193	32,484	5,183	13.89	373
1948	6,571.86	5,746	6,182	1,047	14.36	73
1949	6,483.89	5,620	6,046	1,086	14.84	73
1950	121,876.97	104,686	112,631	21,434	15.34	1,397
1951	87,979.11	74,864	80,545	16,232	15.85	1,024
1952	34,484.38	29,062	31,267	6,666		407
1953	82,073.78	68,472	73,668	16,613	16.91	982
1954	177,314.24	146,395	157,505	37,541	17.46	2,150
1955	131,815.40	107,650	115,819	29,178	18.03	1,618
1956	50,817.94	41,047	44,162	11,738	18.60	631
1957	214,806.98	171,512	184,528	51,760	19.19	2,697
1958 1959	232,807.32	183,689	197,629	58,459	19.79	2,954
T 3 3 3	132,530.47	103,277	111,115	34,669	20.41	1,699

### ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	OR CURVE IOWA	70-R3				
	LVAGE PERCENT					
1960	201,535.20	155,087	166,856	54,833	21.03	2,607
1961	207,972.31	157,949	169,936	58,834	21.67	2,715
1962	149,452.64	111,978	120,476	43,922	22.32	1,968
1963	210,197.98	155,311	167,097	64,121	22.98	2,790
1964	189,111.42	137,740	148,193	59,830	23.65	2,530
1965	207,012.03	148,567	159,842	67,871	24.33	2,790
1966	134,398.08	94,996	102,205	45,633	25.02	1,824
1967	198,310.49	137,990	148,462	69,680	25.72	2,709
1968	293,860.65 170,498.03	201,198	216,467	106,780	26.43	4,040
1969 1970	285,542.15	114,834 189,042	123,549 203,388	63,999 110,708	27.14 27.87	2,358 3,972
1971	450,821.14	293,223	315,475	180,428	28.61	6,306
1972	355,704.20	227,217	244,460	146,815	29.35	5,002
1973	572,440.20	358,832	386,064	243,620	30.11	8,091
1974	271,962.59	167,230	179,921	119,238	30.87	3,863
1975	850,202.01	512,502	551,395	383,827	31.64	12,131
1976	802,617.18	473,982	509,952	372,927	32.42	11,503
1977	1,509,792.50	873,084	939,342	721,430	33.20	21,730
1978	556,861.59	315,113	339,027	273,521	33.99	8,047
1979	605,717.89	335,144	360,578	305,712	34.79	8,787
1980	1,715,031.48	927,100	997,457	889,078	35.60	24,974
1981	1,633,258.97	861,840	927,244	869,341	36.42	23,870
1982	1,346,054.71	692,949	745,536	735,124	37.24	19,740
1983	283,903.90	142,450	153,260	159,034	38.07	4,177
1984	1,406,621.03	687,210	739,362	807,921	38.91	20,764
1985	4,028,889.13	1,915,149	2,060,488	2,371,290	39.75	59,655
1986	3,441,369.55	1,589,913	1,710,570	2,074,937	40.60	51,107
1987	1,060,917.38	475,801	511,909	655,100	41.46	15,801
1988	960,113.75	417,624	449,317	606,808	42.32	14,339
1989	1,597,203.22	672,902	723,968	1,032,956	43.19	23,917
1990	1,569,048.73	639,345	687,864	1,038,090	44.07	23,555
1991	801,681.29	315,579	339,528	542,321	44.95	12,065
1992	1,656,447.34	628,877	676,602	1,145,490	45.84	24,989
1993	2,375,977.07	868,831	934,766	1,678,809	46.73	35,926
1994	3,884,615.61	1,365,547	1,469,177	2,803,900	47.63	58,868
1995	1,751,696.27	590,719	635,548	1,291,318	48.54	26,603
1996	574,142.78	185,406	199,476	432,081	49.45	8,738
1997	384,557.73	118,685	127,692	295,322	50.36	5,864
1998	561,903.66 1,971,030.63	165,210	177,748	440,346	51.29	8,585
1999 2000	1,971,030.63	551,009 338,493	592,825 364,181	1,575,309	52.21 52.14	30,173
∠000	1,411,394.01	330,433	304,101	1,041,171	53.14	19,593

### ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA ALVAGE PERCENT					
2001	424,758.57	106,263	114,327	352,907	54.08	6,526
2002	1,324,429.34	311,771	335,431	1,121,441	55.02	20,382
2003	814,012.44	179,593	193,222	702,192	55.96	12,548
2004	3,062,040.59	629,862	677,662	2,690,583	56.91	47,278
2005	3,985,261.04	760,280	817,977	3,565,810	57.86	61,628
2006	7,600,962.76	1,336,599	1,438,033	6,923,026	58.81	117,719
2007	7,989,404.97	1,284,329	1,381,796	7,406,549	59.77	123,918
2008	15,027,199.15	2,189,057	2,355,183	14,174,736	60.73	233,406
2009	29,850,772.77	3,893,347	4,188,811	28,647,039	61.70	464,296
2010	44,311,225.91	5,103,811	5,491,136	43,251,213	62.67	690,142
2011	15,173,836.37	1,516,564	1,631,655	15,059,565	63.64	236,637
2012	24,018,283.83	2,034,349	2,188,734	24,231,378	64.61	375,041
2013	11,448,255.69	793,364	853,572	11,739,509	65.59	178,983
2014	15,624,873.26	844,587	908,682	16,278,679	66.56	244,571
2015	16,435,085.01	635,282	683,494	17,395,100	67.54	257,553
2016	10,741,096.19	249,773	268,728	11,546,478	68.52	168,513
2017	5,527,807.58	42,564	45,794	6,034,794	69.51	86,819
	257,688,989.61	42,811,380	46,052,728	237,405,161		3,972,382

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 59.8 1.54



### ACCOUNT 353 STATION EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
1903	933.74	1,017	1,027			
1908	2,468.97	2,604	2,716			
1911	36,032.42	37,244	39,636			
1912 1913	115,003.43 107,855.68	118,063 109,969	126,504 118,295	346	4.24	82
1913	63,918.12	64,709	69,608	702	4.62	152
1915	17,676.57	17,771	19,117	327	4.99	66
1916	18,118.14	18,085	19,454	476	5.37	89
1917	74,390.61	73,717	79,298	2,532	5.75	440
1918	56,768.16	55,856	60,085	2,360	6.12	386
1919	14,733.38	14,390	15,480	727	6.50	112
1920	517.97	502	540	30	6.88	4
1921	21,406.96	20,596	22,155	1,393	7.27	192
1922	51,638.52	49,310	53,043	3,759	7.65	491
1923	26,750.39	25,351	27,270	2,155	8.03	268
1924	17,641.75	16,589	17,845	1,561	8.42	185
1925	58,304.67	54,405	58,524	5,611	8.80	638
1926	34,116.78	31,582	33,973	3,555	9.19	387
1927	22,602.23	20,756	22,328	2,534	9.58	265
1928	5,967.76	5,436	5,848	717	9.97	72
1929	64,050.20	57,871	62,253	8,202	10.36	792
1930	5,421.52	4,858	5,226	738	10.75	69
1931	53,284.21	47,345	50,930	7,683	11.15	689
1932	94,298.63	83,090	89,381	14,347	11.54	1,243
1934	6,277.63	5,436	5,848	1,057	12.34	86
1936 1937	300.54 3,855.91	256 3,251	275 3,497	56 745	13.14 13.54	4 55
1937	4,245.48	3,548	3,497	853	13.54	61
1939	1,654.52	1,370	1,474	346	14.35	24
1940	10,125.72	8,306	8,935	2,203	14.75	149
1941	36,105.64	29,335	31,556	8,160	15.16	538
1942	10,269.22	8,264	8,890	2,406	15.57	155
1943	39,583.98	31,546	33,934	9,608	15.98	601
1944	155,346.31	122,563	131,843	39,038	16.40	2,380
1945	6,195.55	4,840	5,206	1,609	16.81	96
1946	41,866.45	32,372	34,823	11,230	17.23	652
1947	122,870.84	94,028	101,147	34,011	17.65	1,927
1948	169,583.69	128,425	138,149	48,393	18.07	2,678
1949	955,530.62	716,009	770,221	280,863	18.49	15,190
1950	434,106.70	321,746	346,107	131,410	18.92	6,946
1951	1,022,111.18	749,417	806,159	318,163	19.34	16,451



### ACCOUNT 353 STATION EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	R CURVE IOWA	58-S0				
NET SAL	VAGE PERCENT	-10				
1952	967,875.73	701,762	754,896	309,767	19.77	15,669
1953	867,462.35	621,877	668,962	285,247	20.20	14,121
1954	2,020,275.14	1,431,474	1,539,858	682,445	20.64	33,064
1955	1,236,641.48	866,134	931,713	428,593	21.07	20,341
1956	1,565,822.14	1,083,633	1,165,680	556,724	21.51	25,882
1957	2,511,908.59	1,717,404	1,847,437	915,662	21.95	41,716
1958	3,857,185.56	2,605,016	2,802,254	1,440,650	22.39	64,343
1959	1,998,766.54	1,332,839 1,562,126	1,433,755	764,888	22.84	33,489
1960 1961	2,372,314.11 3,301,001.73	2,145,473	1,680,402 2,307,917	929,144 1,323,185	23.28 23.73	39,912 55,760
1962	3,269,652.56	2,143,473	2,255,318	1,341,300	24.19	55,449
1963	3,029,561.55	1,916,764	2,061,891	1,270,627	24.64	51,568
1964	2,693,675.53	1,680,757	1,808,015	1,155,028	25.10	46,017
1965	1,947,672.01	1,198,288	1,289,016	853,423	25.56	33,389
1966	3,506,581.30	2,126,805	2,287,836	1,569,403	26.02	60,315
1967	2,512,832.99	1,501,689	1,615,389	1,148,727	26.49	43,365
1968	3,768,432.93	2,218,427	2,386,395	1,758,881	26.96	65,240
1969	3,268,001.73	1,894,712	2,038,170	1,556,632	27.43	56,749
1970	4,963,767.27	2,832,668	3,047,143	2,413,001	27.91	86,457
1971	5,160,825.12	2,898,175	3,117,610	2,559,298	28.39	90,148
1972 1973	6,838,543.03 7,010,009.24	3,778,049	4,064,103	3,458,294	28.87 29.36	119,789
1973	2,603,348.16	3,807,620 1,389,860	4,095,913 1,495,093	3,615,097 1,368,590	29.85	123,130 45,849
1975	6,592,843.38	3,458,540	3,720,403	3,531,725	30.34	116,405
1976	17,836,269.68	9,187,605	9,883,243	9,736,654	30.84	315,715
1977	18,858,166.56	9,535,179	10,257,133	10,486,850	31.34	334,616
1978	16,226,653.78	8,047,544	8,656,862	9,192,457	31.85	288,617
1979	6,882,304.10	3,346,706	3,600,101	3,970,434	32.36	122,696
1980	19,753,954.09	9,414,893	10,127,740	11,601,609	32.87	352,954
1981	9,828,830.46	4,587,518	4,934,861	5,876,853	33.39	176,006
1982	29,030,013.87	13,257,630	14,261,429	17,671,586	33.92	520,978
1983	8,975,350.14	4,010,465	4,314,117	5,558,768	34.44	161,404
1984	17,937,588.88	7,831,372	8,424,323	11,307,025	34.98	323,243
1985	11,648,600.36	4,966,369	5,342,397	7,471,063	35.52	210,334
1986 1987	14,839,808.72 11,661,743.52	6,174,963 4,730,808	6,642,499	9,681,291 7,738,918	36.06	268,477
1988	18,173,868.15	7,179,659	5,089,000 7,723,266	12,267,989	36.61 37.17	211,388 330,051
1989	14,672,599.86	5,640,558	6,067,632	10,072,228	37.17	266,955
1990	27,982,109.68	10,454,844	11,246,431	19,533,890	38.30	510,023
1991	46,708,936.78	16,946,609	18,229,719	33,150,111	38.87	852,846
1992	37,807,547.71	13,301,187	14,308,284	27,280,018	39.45	691,509

### ACCOUNT 353 STATION EQUIPMENT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAI	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)		(3)	(4)	(5)	(6)	(7)
			( - /	(-)	( - )	( - /
	IVOR CURVE IOWA					
NET	SALVAGE PERCENT	-10				
1993	3 46,405,487.35	15,806,916	17,003,734	34,042,302	40.04	850,207
1994	55,622,263.16	18,323,531	19,710,894	41,473,595	40.63	1,020,763
1995	23,264,744.25	7,395,094	7,955,012	17,636,207	41.24	427,648
1996	10,807,122.91	3,310,168	3,560,797	8,327,038	41.85	198,973
1997	10,623,015.61	3,128,861	3,365,762	8,319,555	42.47	195,893
1998	3 13,151,349.93	3,718,899	4,000,475	10,466,010	43.09	242,887
1999	20,965,303.10	5,673,903	6,103,502	16,958,331	43.73	387,796
2000	18,543,966.40	4,790,148	5,152,833	15,245,530	44.38	343,523
2001	19,199,406.14	4,722,708	5,080,287	16,039,060	45.03	356,186
2002	2 29,722,542.66	6,933,586	7,458,561	25,236,236	45.70	552,215
2003	42,224,150.17	9,305,105	10,009,640	36,436,925	46.38	785,617
2004	49,844,102.76	10,332,433	11,114,751	43,713,762	47.07	928,697
2005	47,207,112.44	9,159,030	9,852,504	42,075,320	47.77	880,790
2006	53,902,515.66	9,732,315	10,469,196	48,823,571	48.48	1,007,087
2007	50,217,245.51	8,371,466	9,005,310	46,233,660	49.21	939,518
2008	3 124,056,727.39	18,939,617	20,373,627	116,088,773	49.95	2,324,100
2009	140,767,142.39	19,462,324	20,935,911	133,907,946	50.71	2,640,662
2010	253,271,976.44	31,317,333	33,688,520	244,910,654	51.48	4,757,394
2011	114,293,483.49	12,420,159	13,360,549	112,362,283	52.27	2,149,651
2012	2 132,064,153.57	12,298,606	13,229,793	132,040,776	53.09	2,487,112
2013	93,383,967.18	7,225,491	7,772,568	94,949,796	53.92	1,760,938
2014	93,259,544.32	5,712,986	6,145,544	96,439,955	54.77	1,760,817
2015	143,993,349.19	6,418,072	6,904,015	151,488,669	55.65	2,722,168
2016	73,547,814.56	2,008,811	2,160,908	78,741,688	56.56	1,392,180
2017	124,383,478.46	1,156,144	1,243,681	135,578,145	57.51	2,357,471
	2,195,395,242.34	426,336,111	458,614,997	1,956,319,769		40,800,887



COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 47.9 1.86

### ACCOUNT 354 TOWERS AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	DR CURVE IOWA					
1946	5,428.93	5,155	5,545	427	9.57	45
1949	47,817.18	44,356	47,714	4,885	10.97	445
1952	8,048.01	7,263	7,813	1,040	12.57	83
1953	979,719.09	875,236	941,502	136,189	13.15	10,357
1954	226,530.28	200,201	215,359	33,824	13.76	2,458
1955	23,849.40	20,845	22,423	3,811	14.38	265
1956	72,065.67	62,263	66,977	12,295	15.02	819
1958	623,851.18	526,144	565,980	120,256	16.33	7,364
1959	358,726.43	298,711	321,327	73,272	17.01	4,308
1960	190,626.87	156,667	168,529	41,161	17.70	2,325
1961	197,430.67	160,120	172,243	44,931	18.39	2,443
1962 1963	685,978.00 745,916.94	548,682 588,305	590,224 632,847	164,352	19.10 19.81	8,605
1963	448,287.54	348,421	374,801	187,662 118,315	20.54	9,473 5,760
1965	240,396.32	184,047	197,982	66,454	21.28	3,123
1966	3,777,052.92	2,847,214	3,062,783	1,091,975	22.03	49,568
1967	574,073.17	425,978	458,230	173,250	22.78	7,605
1968	1,025,646.15	748,647	805,329	322,882	23.55	13,710
1969	73,022.86	52,407	56,375	23,950	24.33	984
1970	88,088.56	62,125	66,829	30,068	25.12	1,197
1971	2,170.84	1,503	1,617	771	25.93	30
1972	158,489.85	107,741	115,898	58,441	26.74	2,186
1973	5,450,392.71	3,634,970	3,910,182	2,085,250	27.56	75,662
1974	1,040,879.45	680,603	732,133	412,834	28.39	14,542
1975	20,428,539.80	13,088,014	14,078,937	8,392,457	29.23	287,118
1976	13,166,493.15	8,257,419	8,882,607	5,600,535	30.09	186,126
1977	5,040,504.15	3,093,085	3,327,270	2,217,285	30.95	71,641
1978	20,807,131.96	12,483,717	13,428,888	9,458,957	31.82	297,265
1979	15,094,226.75	8,847,421	9,517,279	7,086,370	32.70	216,709
1980	41,018,662.35	23,468,992	25,245,883	19,874,646	33.59	591,683
1981	72,495,999.91	40,465,310	43,529,031	36,216,569	34.48	1,050,365
1982	38,697,329.93	21,046,433	22,639,907	19,927,156	35.39	563,073
1983	12,767,065.75	6,761,093	7,272,991	6,770,781	36.30	186,523
1984	8,087,881.45	4,166,221	4,481,655	4,415,015	37.22	118,619
1986	1,363,138.65	662,548	712,711	786,742	39.07	20,137
1987	2,210,390.32	1,041,697	1,120,566	1,310,863	40.01	32,763
1988	341,291.50	155,800	167,596	207,825	40.95	5,075
1989	280,216.98	123,736	133,104	175,135	41.90	4,180
1990 1991	34,294,543.85 98,157.91	14,625,971 40,397	15,733,337 43,456	21,990,661 64,518	42.86	513,081
1991	8,967,245.98	3,553,890	3,822,963	6,041,008	43.81 44.78	1,473 134,904
エッフム	0,301,443.90	3,333,690	3,044,303	0,041,000	11./0	134,504

### ACCOUNT 354 TOWERS AND FIXTURES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURV	IVOR CURVE IOWA	70-R4				
NET S	SALVAGE PERCENT	-10				
1993	12,421,963.24	4,735,588	5,094,130	8,570,030	45.74	187,364
1994	459,213.28	168,063	180,787	324,348	46.71	6,944
1995	865,929.91	303,721	326,716	625,807	47.68	13,125
1996	196,777.63	65,989	70,985	145,470	48.66	2,990
1997	1,107,403.93	354,309	381,135	837,009	49.64	16,862
1998	711,442.05	216,667	233,071	549,515	50.62	10,856
1999	2,904,776.33	839,904	903,495	2,291,759	51.60	44,414
2000	2,341,286.09	640,531	689,027	1,886,388	52.59	35,870
2001	7,992,417.31	2,063,490	2,219,722	6,571,937	53.57	122,679
2002	2,391,629.16	580,274	624,208	2,006,584	54.56	36,778
2003	8,210,233.27	1,864,322	2,005,474	7,025,783	55.55	126,477
2004	6,841,256.26	1,447,056	1,556,616	5,968,766	56.54	105,567
2005	8,981,820.22	1,758,640	1,891,791	7,988,211	57.54	138,829
2006	2,863,123.26	516,067	555,140	2,594,296	58.53	44,324
2007	44,986,891.57	7,408,486	7,969,399	41,516,182	59.52	697,516
2008	16,531,060.21	2,462,682	2,649,137	15,535,029	60.52	256,692
2009	57,150,528.64	7,615,537	8,192,127	54,673,455	61.52	888,710
2010	469,568,030.49	55,268,157	59,452,636	457,072,198	62.51	7,311,985
2011	7,177,517.90	731,970	787,389	7,107,881	63.51	111,918
2012	16,510,676.29	1,424,426	1,532,273	16,629,471	64.51	257,781
2013	213,339,526.50	15,051,957	16,191,575	218,481,904	65.51	3,335,092
2014	8,622,780.55	474,253	510,160	8,974,899	66.50	134,961
2015	82,028,451.00	3,222,160	3,466,117	86,765,179	67.50	1,285,410
2016	3,752,417.05	88,456	95,153	4,032,506	68.50	58,869
2017	4,835,837.58	37,981	40,857	5,278,564	69.50	75,951
	1,294,996,299.13	283,810,034	305,297,943	1,119,197,986		19,812,056

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 56.5 1.53



### ACCOUNT 355 POLES AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
1941	35,162.17	43,944	47,271	5,472	10.01	547
1946	104,412.50	125,921	135,455	21,164	11.76	1,800
1947	3,332.17	3,987	4,289	709	12.14	58
1948	13,040.89	15,479	16,651	2,910	12.52	232
1949	13,649.18	16,068	17,285	3,189	12.91	247
1950	42,354.69	49,439	53,182	10,350	13.31	778
1951	191,194.63	221,260	238,012	48,780	13.71	3,558
1952	54,334.11	62,308	67,025	14,476	14.13	1,024
1953 1954	1,823,391.16 1,362,311.62	2,071,363 1,532,948	2,228,191 1,649,011	506,896 394,456	14.56 14.99	34,814 26,315
1955	1,212,341.35	1,350,554	1,452,808	365,704	15.44	23,685
1956	1,083,328.84	1,194,370	1,284,798	340,195	15.90	21,396
1957	2,733,418.11	2,982,145	3,207,930	892,197	16.36	54,535
1958	1,386,115.90	1,495,612	1,608,848	470,326	16.84	27,929
1959	1,421,846.98	1,517,104	1,631,967	500,803	17.32	28,915
1960	2,806,191.04	2,959,128	3,183,170	1,026,117	17.82	57,582
1961	3,823,117.84	3,983,708	4,285,324	1,449,353	18.32	79,113
1962	3,304,656.47	3,400,492	3,657,951	1,299,034	18.84	68,951
1963	4,249,850.34	4,317,827	4,644,740	1,730,036	19.36	89,361
1964	5,677,022.48	5,691,187	6,122,080	2,393,454	19.90	120,274
1965	2,353,405.45	2,327,506	2,503,727	1,026,381	20.44	50,214
1966	2,541,582.44	2,478,043	2,665,661	1,146,713	21.00	54,605
1967	1,031,943.84 3,600,220.72	991,703 3,407,609	1,066,787 3,665,607	481,129	21.56 22.14	22,316
1968 1969	2,749,365.21	2,562,395	2,756,400	1,734,724 1,367,648	22.72	78,352 60,196
1970	1,934,394.61	1,774,323	1,908,661	992,931	23.31	42,597
1971	14,408,725.10	12,996,598	13,980,600	7,632,488	23.92	319,084
1972	4,395,608.54	3,897,828	4,192,942	2,400,471	24.53	97,859
1973	3,123,362.83	2,721,214	2,927,243	1,757,801	25.15	69,893
1974	1,773,853.41	1,517,523	1,632,418	1,028,362	25.78	39,890
1975	5,866,288.74	4,926,187	5,299,160	3,500,273	26.41	132,536
1976	5,723,280.60	4,713,122	5,069,963	3,514,958	27.06	129,895
1977	7,632,889.10	6,161,688	6,628,204	4,821,130	27.71	173,985
1978	5,123,352.09	4,050,010	4,356,646	3,328,382	28.38	117,279
1979	4,203,898.30	3,252,745	3,499,018	2,806,829	29.05	96,621
1980	7,112,990.87	5,382,756	5,790,297	4,879,189	29.73	164,117
1981	11,583,531.01	8,566,021	9,214,574	8,160,723	30.42	268,268
1982	10,086,461.59	7,284,947	7,836,507	7,293,185	31.11	234,432
1983 1984	7,441,525.18 8,025,661.42	5,244,378 5,513,629	5,641,442 5,931,078	5,520,846 6,107,414	31.81 32.52	173,557 187,805
1985	7,824,604.52	5,234,660	5,630,988	6,105,919	33.24	183,692
1703	,,021,001.32	3,234,000	5,050,500	0,100,010	JJ.21	103,072



### ACCOUNT 355 POLES AND FIXTURES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	60-R2				
	ALVAGE PERCENT					
1986	16,005,132.90	10,415,260	11,203,823	12,803,876	33.97	376,917
1987	6,198,241.47	3,920,419	4,217,243	5,080,119	34.70	146,401
1988	6,074,026.70	3,729,422	4,011,785	5,099,255	35.44	143,884
1989	6,428,104.29	3,826,297	4,115,995	5,526,161	36.19	152,699
1990	6,205,193.97	3,577,263	3,848,106	5,459,685	36.94	147,799
1991	25,144,287.91	14,018,066	15,079,406	22,637,026	37.70	600,452
1992	17,261,260.45	9,290,787	9,994,214	15,897,677	38.47	413,249
1993	27,012,315.58	14,012,504	15,073,423	25,445,050	39.25	648,282
1994	23,247,474.28	11,606,185	12,484,916	22,386,295	40.03	559,238
1995	19,321,931.70	9,269,600	9,971,423	19,011,475	40.81	465,853
1996	13,081,499.35	6,014,219	6,469,569	13,152,680	41.61	316,094
1997	11,649,097.18	5,122,749	5,510,604	11,963,042	42.41	282,081
1998	12,444,031.97	5,223,320	5,618,790	13,047,258	43.21	301,950
1999	17,516,594.59	6,997,792	7,527,611	18,747,281	44.02	425,881
2000	12,985,492.10	4,921,566	5,294,189	14,184,049	44.84	316,326
2001	15,658,682.36	5,609,645	6,034,364	17,453,660	45.67	382,169
2002	23,855,432.88	8,057,292	8,667,328	27,115,821	46.49	583,261
2003	29,262,634.99	9,269,086	9,970,870	33,923,082	47.33	716,735
2004	13,747,737.56	4,065,962	4,373,805	16,247,801	48.17	337,301
2005	14,059,913.99	3,863,032	4,155,511	16,934,360	49.01	345,529
2006	13,822,965.53	3,500,597	3,765,635	16,968,813	49.87	340,261
2007	30,230,321.57	7,013,586	7,544,601	37,800,881	50.72	745,286
2008	24,486,737.81	5,154,336	5,544,583	31,185,524	51.58	604,605
2009	21,754,894.79	4,106,128	4,417,012	28,215,330	52.45	537,947
2010	47,042,467.25	7,855,857	8,450,642	62,113,059	53.32	1,164,911
2011	36,508,146.72	5,293,864	5,694,674	49,067,546	54.20	905,305
2012	34,190,990.88	4,205,492	4,523,899	46,762,587	55.08	848,994
2013	34,539,464.09	3,488,313	3,752,421	48,056,775	55.96	858,770
2014	30,071,075.21	2,368,097	2,547,391	42,559,222	56.85	748,623
2015	158,830,295.04	8,934,204	9,610,634	228,634,809	57.75	3,959,044
2016	17,878,973.20	607,974	654,005	26,164,455	58.64	446,188
2017	31,831,938.91	358,109	385,222	47,362,686	59.55	795,343
	948,225,375.26	323,736,752	348,247,605	1,074,090,458		22,955,685

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 46.8 2.42

### ACCOUNT 356 OVERHEAD CONDUCTOR AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	R CURVE IOWA	65-R3				
	VAGE PERCENT					
1941	104,102.06	121,879	131,107	9,431	8.63	1,093
1946	1,045,830.01	1,186,847	1,276,706	135,165	10.36	13,047
1947	10,408.32	11,727	12,615	1,436	10.75	134
1948	5,707.54	6,383	6,866	839	11.15	75
1949	38,391.50	42,611	45,837	5,992	11.56	518
1950	287,018.03	316,001	339,926	47,548	11.99	3,966
1951	315,988.56	345,009	371,130	55,455	12.43	4,461
1952	187,931.15	203,435	218,838	34,869	12.88	2,707
1953	5,837,471.27	6,262,071	6,736,187	1,144,399	13.35	85,723
1954	2,631,245.88	2,795,851	3,007,531	544,651	13.84	39,353
1955 1956	1,739,507.53 1,796,977.37	1,830,621 1,871,694	1,969,222 2,013,404	379,113 412,515	14.33 14.85	26,456 27,779
1957	4,560,626.56	4,700,013	5,055,862	1,100,984	15.38	71,585
1958	2,569,998.49	2,619,749	2,818,096	651,402	15.92	40,917
1959	2,277,347.54	2,294,931	2,468,685	605,734	16.48	36,756
1960	3,171,171.24	3,158,111	3,397,219	883,862	17.05	51,839
1961	5,465,400.75	5,377,077	5,784,188	1,594,103	17.63	90,420
1962	4,856,604.33	4,717,603	5,074,784	1,481,632	18.23	81,274
1963	4,759,607.96	4,563,048	4,908,527	1,516,944	18.84	80,517
1964	5,544,047.71	5,243,765	5,640,782	1,843,682	19.46	94,742
1965	2,710,582.38	2,527,725	2,719,105	940,181	20.10	46,775
1966	4,041,475.00	3,714,275	3,995,491	1,460,500	20.75	70,386
1967	1,360,590.32	1,231,793	1,325,055	511,742	21.41	23,902
1968	5,342,598.00	4,762,491	5,123,070	2,089,437	22.08	94,630
1969	3,506,888.72	3,076,585	3,309,520	1,424,780	22.76	62,600
1970	4,111,633.95	3,548,178	3,816,819	1,733,887	23.45	73,940
1971	14,774,977.29	12,532,409	13,481,266	6,464,953	24.16	267,589
1972	5,193,197.36	4,328,338	4,656,046	2,354,770	24.87	94,683
1973 1974	10,360,025.44	8,479,872	9,121,903	4,864,131 1,333,355	25.59 26.33	190,079
1975	2,743,243.46 21,906,323.47	2,203,214 17,257,342	2,370,024 18,563,935	11,009,602	20.33	50,640 406,709
1976	11,327,591.18	8,747,166	9,409,434	5,882,814	27.82	211,460
1977	9,950,621.07	7,526,834	8,096,708	5,336,630	28.58	186,726
1978	11,909,416.82	8,817,982	9,485,612	6,592,101	29.35	224,603
1979	12,075,733.62	8,745,500	9,407,642	6,894,598	30.13	228,828
1980	30,331,438.06	21,475,295	23,101,239	17,846,202	30.91	577,360
1981	55,119,298.89	38,109,621	40,994,988	33,416,066	31.71	1,053,802
1982	30,870,025.18	20,831,016	22,408,180	19,266,354	32.51	592,629
1983	13,765,855.81	9,057,424	9,743,182	8,840,723	33.32	265,328
1984	8,592,431.28	5,507,229	5,924,194	5,675,588	34.14	166,245
1985	2,486,774.37	1,551,505	1,668,973	1,688,172	34.96	48,289



### ACCOUNT 356 OVERHEAD CONDUCTOR AND DEVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAF	R COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURV	IVOR CURVE IOWA	65-R3				
	SALVAGE PERCENT					
1986	9,575,000.93	5,806,860	6,246,511	6,679,740	35.80	186,585
1987	5,865,750.56	3,455,036	3,716,625	4,202,138	36.64	114,687
1988	3,688,685.34	2,107,569	2,267,138	2,712,587	37.49	72,355
1989	6,996,831.31	3,874,163	4,167,485	5,278,237	38.34	137,669
1990	28,673,355.23	15,358,582	16,521,416	22,187,614	39.21	565,866
1991	24,547,876.68	12,705,073	13,667,003	19,472,631	40.08	485,844
1992	20,190,935.95	10,085,373	10,848,960	16,408,804	40.95	400,703
1993	42,632,257.77	20,515,538	22,068,816	35,484,732	41.83	848,308
1994	13,660,053.79	6,321,046	6,799,627	11,641,446	42.72	272,506
1995	12,785,019.32	5,677,086	6,106,911	11,152,865	43.62	255,682
1996	7,683,062.91	3,268,052	3,515,484	6,856,651	44.52	154,013
1997		3,636,832	3,912,185	8,167,102	45.43	179,773
1998	10,111,958.37	3,918,970	4,215,684	9,435,460	46.34	203,614
1999		4,205,519	4,523,929	10,885,419	47.26	230,330
2000		3,003,933	3,231,368	8,377,137	48.18	173,872
2001		3,979,362	4,280,649	11,997,522	49.11	244,299
2002	14,426,555.58	4,479,446	4,818,595	14,657,255	50.05	292,852
2003		6,298,249	6,775,104	22,445,687	50.99	440,198
2004	17,048,033.61	4,627,825	4,978,208	18,036,637	51.93	347,326
2005		4,252,806	4,574,796	18,233,346	52.88	344,806
2006		2,773,294	2,983,266	13,154,612	53.83	244,373
2007		9,555,370	10,278,829	50,494,371	54.78	921,767
2008	27,547,724.81	5,298,006	5,699,130	31,490,298	55.74	564,950
2009	24,354,364.65	4,193,310	4,510,795	28,367,597	56.71	500,222
2010		20,409,248	21,954,479	159,026,704	57.67	2,757,529
2011		4,411,969	4,746,009	40,343,094	58.64	687,979
2012	21,962,293.16	2,458,503	2,644,642	27,004,454	59.61	453,019
2013		12,695,333	13,656,526	173,452,294	60.59	2,862,721
2014		1,504,144	1,618,026	26,804,961	61.56	435,428
2015	·	6,692,093	7,198,767	169,606,855	62.54	2,711,974
2016		471,000	506,661	20,178,462	63.52	317,671
2017		261,152	280,924	34,354,640	64.51	532,548
	,,	,		,,010		,
	1,237,023,809.48	440,000,962	473,314,446	1,196,667,697		24,632,034
			, ,			, , ,

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 48.6 1.99



### ACCOUNT 357 UNDERGROUND CONDUIT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	OR CURVE IOWA					
NET SAI	LVAGE PERCENT	U				
1953	44,934.35	36,000	38,726	6,208	11.93	520
1955	1,131.64	894	962	170	12.62	13
1960	988.23	749	806	182	14.51	13
1964	10,361.26	7,555	8,127	2,234	16.25	137
1967	17,909.15	12,629	13,585	4,324	17.69	244
1968	6,370.99	4,438	4,774	1,597	18.20	88
1977	16,325.96	9,937	10,689	5,637	23.48	240
1990	1,406.51	622	669	738	33.46	22
1997	1,838,662.89	619,023	665,890	1,172,773	39.80	29,467
1999	5,454.88	1,664	1,790	3,665	41.70	88
2001	349,431.75	95,395	102,618	246,814	43.62	5,658
2002	630.02	162	174	456	44.59	10
2004	1,998.58	448	482	1,517	46.55	33
2005	90,073.83	18,706	20,122	69,952	47.54	1,471
2006	807,079.63	154,289	165,971	641,109	48.53	13,211
2007	3,680.40	643	692	2,988	49.52	60
2008	2,246.08	355	382	1,864	50.51	37
2009	60,765.95	8,598	9,249	51,517	51.51	1,000
2011	181,279.81	19,638	21,124	160,156	53.50	2,994
2012	61,238.77	5,614	6,039	55,200	54.50	1,013
2013	17,422.67	1,307	1,406	16,017	55.50	289
	3,519,393.35	998,666	1,074,277	2,445,116		56,608

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 43.2 1.61



#### ACCOUNT 358 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA LVAGE PERCENT					
1953	21,721.23	18,273	19,656	3,151	11.93	264
1955	28,165.57	23,354	25,122	4,452	12.62	353
1960	55,000.69	43,785	47,100	10,651	14.51	734
1964	312,540.23	239,290	257,407	70,760	16.25	4,354
1967	46,052.38	34,098	36,680	11,675	17.69	660
1972	143,100.55	99,194	106,704	43,552	20.39	2,136
1977	169,047.68	108,039	116,219	61,281	23.48	2,610
1981	311,923.81	184,174	198,118	129,402	26.26	4,928
1990	42,259.88	19,627	21,113	23,260	33.46	695
1992	6,120.85	2,655	2,856	3,571	35.21	101
1995	48,129.68	18,589	19,996	30,540	37.93	805
1997	1,180,119.66	417,176	448,762	790,364	39.80	19,858
1999	25,563.39	8,187	8,807	18,035	41.70	432
2000	487,728.58	148,001	159,207	352,908	42.66	8,273
2001	1,189,326.43	340,920	366,732	882,061	43.62	20,221
2005	156,268.37	34,075	36,655	127,427	47.54	2,680
2006	3,121,623.13	626,599	674,040	2,603,664	48.53	53,651
2007	90,854.26	16,663	17,925	77,472	49.52	1,564
2008	39,548.43	6,568	7,065	34,461	50.51	682
2011	535,894.17	60,956	65,571	497,118	53.50	9,292
2012	16,371.25	1,576	1,695	15,495	54.50	284
2013	7,993.74	630	678	7,715	55.50	139
	8,035,353.96	2,452,429	2,638,108	5,799,014		134,716

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 43.0 1.68



### ACCOUNT 359 ROADS AND TRAILS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIIRVIVO	R CURVE IOWA	70-R5				
	VAGE PERCENT					
1935	1,180.07	1,128	1,180			
1940	2,369.88	2,226	2,370			
1942	1,617.00	1,505	1,617			
1946	57,800.08	52,590	56,572	1,228	6.31	195
1949	1,218.00	1,085	1,167	51	7.65	7
1950	8,557.52	7,561	8,134	424	8.15	52
1951	2,611.00	2,288	2,461	150	8.67	17
1952	7,911.00	6,868	7,388	523	9.23	57
1953	39,454.72	33,931	36,500	2,955	9.80	302
1954 1955	3,271.00 3,914.11	2,785 3,297	2,996 3,547	275 367	10.41 11.04	26 33
1955	1,896.00	1,579	1,699	197	11.69	33 17
1950	1,553.67	1,279	1,376	178	12.37	14
1958	237.27	193	208	29	13.07	2
1959	3,294.00	2,645	2,845	449	13.80	33
1960	6,085.44	4,821	5,186	899	14.55	62
1961	1,621.26	1,266	1,362	259	15.32	17
1962	35,494.23	27,326	29,395	6,099	16.11	379
1963	18,804.24	14,259	15,339	3,465	16.92	205
1964	5,852.08	4,369	4,700	1,152	17.74	65
1965	20,182.84	14,826	15,949	4,234	18.58	228
1968	7,914.58	5,519	5,937	1,978	21.19	93
1979	10,534.29	5,785	6,223	4,311	31.56	137
1981	1,491,052.48	776,838	835,665	655,387	33.53	19,546
1983	114,044.84	56,191	60,446	53,599	35.51	1,509
1984	48,805.55	23,350	25,118	23,688	36.51	649
1985	31,899.66	14,806	15,927	15,973	37.51	426
1986	64,712.18	29,120	31,325	33,387	38.50	867
1987	309,655.76	134,920	145,137	164,519	39.50	4,165
1992	1,337,241.47	487,144	524,033	813,208	44.50	18,274
1993	4,861,496.69	1,701,524	1,830,374	3,031,123	45.50	66,618
1994	2,225,029.94	746,965	803,529	1,421,501	46.50	30,570
1995	23,541.38	7,567	8,140	15,401	47.50	324
1997	53,502.64	15,669	16,856	36,647		740
1998	10,058.17	2,802	3,014	7,044	50.50	139
1999	23,652.77	6,251	6,724	16,929	51.50	329
2000	10,415.46	2,604	2,801	7,614	52.50	145
2001	287,908.54	67,863	73,002	214,907	53.50	4,017
2002	96,592.10	21,388	23,008	73,584	54.50	1,350
2003 2004	30,568.07 2,347.08	6,332 453	6,812 487	23,756	55.50	428 33
200 <del>4</del>	4,347.08	453	40/	1,860	56.50	33



#### ACCOUNT 359 ROADS AND TRAILS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA ALVAGE PERCENT					
2005	77,049.83	13,759	14,801	62,249	57.50	1,083
2006	97,844.06	16,075	17,292	80,552	58.50	1,377
2007	4,165.97	625	672	3,494	59.50	59
2008	10,154.56	1,378	1,482	8,673	60.50	143
2009	100,662.91	12,223	13,149	87,514	61.50	1,423
2010	21,463.91	2,300	2,474	18,990	62.50	304
2011	9,441.02	877	943	8,498	63.50	134
2012	340,638.84	26,764	28,792	311,847	64.50	4,835
2013	9,880.20	635	683	9,197	65.50	140
	11,937,200.36	4,375,554	4,706,837	7,230,363		161,568

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 44.8 1.35



### **DISTRIBUTION AND GENERAL PLANT**



### **OREGON PROPERTY**



### ACCOUNT 360.2 LAND RIGHTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA VAGE PERCENT					
1946	102,394.55	85,653	101,675	720	9.81	73
1947	24,045.38	20,002	23,744	301	10.09	30
1948	17,078.94	14,127	16,770	309	10.37	30
1949	25,894.94	21,290	25,272	623	10.67	58
1950	12,056.23	9,852	11,695	361	10.97	33
1951	11,718.39	9,515	11,295	423	11.28	38
1952	20,809.01	16,786	19,926	883	11.60	76
1953	49,849.74	39,938	47,409	2,441	11.93	205
1954	107,531.90	85,542	101,543	5,989	12.27	488
1955	21,295.53	16,816	19,962	1,334	12.62	106
1956 1957	39,045.91 36,584.89	30,605 28,451	36,330 33,773	2,716 2,812	12.97 13.34	209 211
1958	17,576.34	13,557	16,093	1,483	13.72	108
1959	34,364.87	26,283	31,199	3,166	14.11	224
1960	14,471.05	10,972	13,024	1,447	14.51	100
1961	24,970.22	18,757	22,266	2,704	14.93	181
1962	33,368.97	24,827	29,471	3,898	15.36	254
1963	32,805.77	24,167	28,688	4,118	15.80	261
1964	70,522.26	51,423	61,042	9,480	16.25	583
1965	105,539.28	76,147	90,391	15,148	16.71	907
1966	126,232.28	90,067	106,915	19,317	17.19	1,124
1967	136,274.38	96,097	114,073	22,201	17.69	1,255
1968	111,670.58	77,798	92,351	19,320	18.20	1,062
1969	41,381.92	28,471	33,797	7,585	18.72	405
1970	62,692.38	42,568	50,531	12,161	19.26	631
1971	89,533.05	59,958	71,174	18,359	19.82	926
1972	132,893.01	87,732	104,143	28,750	20.39	1,410
1973	152,049.21	98,908	117,410	34,639	20.97	1,652
1974	164,841.18	105,553	125,298	39,543	21.58	1,832
1975	148,423.06	93,507	110,998	37,425	22.20	1,686
1976 1977	55,160.73	34,172	40,564	14,597	22.83	639
1977	46,675.37 50,717.60	28,410 30,304	33,724 35,973	12,951 14,745	23.48 24.15	552 611
1979	46,552.99	27,280	32,383	14,745		570
1980	40,205.46	23,091	27,410	12,795	25.54	501
1981	55,921.28	31,446	37,328	18,593	26.26	708
1982	63,531.34	34,942	41,478	22,053	27.00	817
1983	37,225.08	20,008	23,751	13,474	27.75	486
1986	679,508.00	338,511	401,833	277,675	30.11	9,222
1987	60,141.50	29,149	34,602	25,540	30.92	826
1988	47,640.29	22,430	26,626	21,014	31.75	662



#### ACCOUNT 360.2 LAND RIGHTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA LVAGE PERCENT					
1989	74,486.24	34,016	40,379	34,107	32.60	1,046
1990	7,216.09	3,192	3,789	3,427	33.46	102
1991	11,832.38	5,062	6,009	5,823	34.33	170
1992	14,539.26	6,007	7,131	7,408	35.21	210
1993	11,099.67	4,420	5,247	5,853	36.11	162
1994	12,062.15	4,620	5,484	6,578	37.02	178
1995	43,837.05	16,125	19,141	24,696	37.93	651
1996	11,966.16	4,216	5,005	6,961	38.86	179
1997	19,013.90	6,401	7,598	11,416	39.80	287
1998	46,072.06	14,789	17,555	28,517	40.74	700
2000	28,730.95	8,303	9,856	18,875	42.66	442
2008	48,205.70	7,625	9,051	39,155	50.51	775
2009	465,122.86	65,815	78,126	386,997	51.51	7,513
2010	180,912.39	22,614	26,844	154,068	52.50	2,935
2011	169,815.15	18,396	21,837	147,978	53.50	2,766
2012	139,452.27	12,784	15,176	124,276	54.50	2,280
2013	113,608.72	8,521	10,115	103,494	55.50	1,865
2014	96,111.10	5,606	6,655	89,456	56.50	1,583
2015	52,014.95	2,167	2,572	49,443	57.50	860
2016	63,469.60	1,587	1,884	61,586	58.50	1,053
2017	268,331.38	2,235	2,653	265,678	59.50	4,465
	5,029,094.89	2,279,613	2,706,037	2,323,058		61,974

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 37.5 1.23



### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	65-R2				
	AGE PERCENT					
1928	58.65	56	65			
1929	767.48	727	844			
1930	5,240.54	4,934	5,765			
1932	1,547.52	1,440	1,702	1	11 01	
1936	75.40	69 70	82	1	11.31	
1938 1940	78.28 1,074.84	70 951	83 1,129	3 53	12.01 12.73	4
1941	397.72	349	414	23	13.10	2
1942	1,273.25	1,110	1,318	83	13.48	6
1944	23.40	20	24	2	14.26	O
1946	319.05	270	321	30	15.08	2
1947	6,844.88	5,734	6,807	722	15.50	47
1949	5,344.12	4,398	5,221	658	16.37	40
1950	10,517.23	8,575	10,179	1,390	16.82	83
1951	30,257.47	24,435	29,006	4,277	17.28	248
1952	8,712.89	6,968	8,272	1,312	17.74	74
1953	21,856.03	17,303	20,540	3,502	18.22	192
1954	12,871.75	10,083	11,969	2,190	18.71	117
1955	34,442.70	26,696	31,690	6,197	19.20	323
1956	25,831.96	19,803	23,508	4,907	19.70	249
1957	44,210.93	33,511	39,780	8,852	20.21	438
1958	43,253.05	32,397	38,458	9,120	20.74	440
1959	25,274.90	18,705	22,204	5,598	21.27	263
1960	13,533.99	9,892	11,743	3,144	21.81	144
1961	14,666.27	10,586	12,566	3,567	22.35	160
1962	38,308.66	27,287	32,392	9,748	22.91	425
1963	18,892.13	13,274	15,757	5,024	23.48	214
1964	68,740.42	47,637	56,549	19,065	24.05 24.64	793
1965 1966	31,138.25 68,543.73	21,268 46,132	25,247 54,762	9,005 20,636	25.23	365 818
1967	39,060.96	25,893	30,737	12,230	25.23	473
1968	50,847.19	33,180	39,387	16,545	26.44	626
1969	63,525.91	40,787	48,417	21,462	27.06	793
1970	33,248.96	20,993	24,920	11,654	27.69	421
1971	12,775.11	7,930	9,414	4,639	28.32	164
1972	49,113.48	29,955	35,559	18,466	28.96	638
1973	19,732.01	11,818	14,029	7,676	29.61	259
1974	122,531.61	72,017	85,490	49,295	30.27	1,629
1975	78,017.77	44,969	53,382	32,438	30.94	1,048
1976	103,795.93	58,651	69,623	44,553	31.61	1,409
1977	111,271.69	61,595	73,118	49,281	32.29	1,526

### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	65-R2				
	LVAGE PERCENT					
1978	58,548.38	31,726	37,661	26,742	32.98	811
1979	47,341.57	25,101	29,797	22,279	33.67	662
1980	120,157.79	62,264	73,912	58,262	34.38	1,695
1981	102,951.93	52,111	61,860	51,387	35.09	1,464
1982	29,591.41	14,623	17,359	15,192	35.80	424
1983	17,231.93	8,302	9,855	9,100	36.53	249
1984	16,953.56	7,959	9,448	9,201	37.26	247
1985	78,341.63	35,809	42,508	43,668	37.99	1,149
1986	238,589.14	106,029	125,865	136,583	38.74	3,526
1987	104,727.17	45,211	53,669	61,531	39.49	1,558
1988	202,369.85	84,795	100,658	121,949	40.24	3,031
1989	102,658.78	41,678	49,475	63,450	41.01	1,547
1990	592,553.99	232,944	276,523	375,286	41.77	8,985
1991	238,659.54	90,671	107,634	154,891	42.55	3,640
1992	1,437,573.61	527,184	625,809	955,522	43.33	22,052
1993	1,001,166.25	353,765	419,947	681,336	44.12	15,443
1994	2,481,797.31	843,781	1,001,635	1,728,342	44.91	38,485
1995	1,321,532.19	431,410	512,118	941,567	45.71	20,599
1996	127,165.40	39,791	47,235	92,647	46.51	1,992
1997	278,360.60	83,285	98,866	207,331	47.32	4,381
1998	302,317.00	86,256	102,393	230,156	48.14	4,781
1999	78,255.78	21,242	25,216	60,865	48.96	1,243
2000	142,912.13	36,809	43,695	113,508	49.78	2,280
2001	44,918.75	10,939	12,985	36,426	50.61	720
2002	66,395.87	15,225	18,073	54,962	51.45	1,068
2003	36,368.78	7,823	9,287	30,719	52.29	587
2004	86,870.46	17,451	20,716	74,842	53.13	1,409
2005	1,362,066.77	253,778	301,254	1,197,019	53.99	22,171
2006	1,269,086.22	218,208	259,030	1,136,965	54.84	20,732
2007	1,254,888.39	197,504	234,453 227,885	1,145,924	55.70	20,573
2008 2009	1,345,660.86 2,704,067.07	191,971 345,961	410,683	1,252,342 2,563,791	56.57 57.44	22,138 44,634
2009	2,704,087.07	251,290	298,301	2,143,301	58.31	36,757
2010	1,856,038.83	182,482	216,621	1,825,022	59.19	30,833
2011	1,506,351.31	125,682	149,194	1,823,022	60.07	25,101
2012	1,355,027.92	92,636	109,194	1,380,565	60.96	22,647
2013	2,135,177.82	113,818	135,111	2,213,585	61.85	35,790
7011	۵,133,111.02	113,010	100,111	2,213,303	01.00	33,190



### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA BALVAGE PERCENT					
2015 2016	, ,	71,465 32,495	84,835 38,574	1,979,424 1,514,732	62.75 63.64	31,545 23,802
2017	311,062.14	2,368	2,811	339,357	64.55	5,257
	31,182,090.15	6,196,310	7,355,390	26,944,909		500,441
	COMPOSITE REMAIN	TNG LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	53.8	1.60



### ACCOUNT 362 STATION EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			( - /	( - /	( - /	( - /
	C CURVE IOWA AGE PERCENT					
1913	1,396.17	1,654	1,675			
1926	23,954.84	26,142	28,746			
1927	351.70	381	422			
1928	9,678.61	10,431	11,614			
1929	11,156.83	11,946	13,388			
1930	13,581.73	14,450	16,298			
1934	8,753.97	9,062	10,505			
1936	83.34	85	100			
1937	81.70	83	98	41	0 (1	-
1938	5,875.55	5,905	7,010	41	8.61	5 9
1939	5,226.93	5,213 24,292	6,189 28,838	83	8.95	67
1940 1941	24,551.52 3,902.76	3,831	∠o,oso 4,548	624 135	9.30 9.65	14
1941	35,545.26	34,598	41,072	1,582	10.01	158
1942	3,838.21	3,704	4,397	209	10.38	20
1944	13,226.84	12,656	15,024	848	10.74	79
1945	28,752.12	27,264	32,366	2,137	11.12	192
1946	35,961.08	33,798	40,123	3,030	11.49	264
1947	51,727.96	48,160	57,172	4,902	11.88	413
1948	127,642.18	117,739	139,772	13,399	12.26	1,093
1949	308,130.98	281,433	334,098	35,659	12.66	2,817
1950	333,429.31	301,595	358,033	42,082	13.05	3,225
1951	202,128.49	180,955	214,817	27,737	13.46	2,061
1952	299,885.66	265,687	315,405	44,458	13.87	3,205
1953	245,600.89	215,314	255,606	39,115	14.28	2,739
1954	216,201.27	187,483	222,567	36,875	14.70	2,509
1955	552,973.33	474,139	562,865	100,703	15.13	6,656
1956	405,235.08	343,519	407,802	78,480	15.56	5,044
1957	575,832.81	482,525	572,821	118,178	15.99	7,391
1958	691,058.65	572,039	679,085	150,185	16.44	9,135
1959	718,219.21	587,205	697,089	164,774	16.89	9,756
1960	543,311.66	438,668	520,757	131,217	17.34	7,567
	1,282,409.51	1,022,055	1,213,314	325,577	17.80	18,291
1962	696,273.66	547,505	649,960	185,568	18.27	10,157
1963	580,240.23	450,095	534,322	161,966	18.74	8,643
	1,209,528.20	925,086	1,098,199	353,235	19.22	18,379
1965	973,233.68	733,557	870,828	297,052	19.71	15,071
1966 1967	982,299.78	729,499 923,937	866,011	312,749	20.20	15,483
	1,263,390.23 1,434,752.14	1,032,694	1,096,835 1,225,943	419,233 495,760	20.70 21.21	20,253 23,374
	1,152,075.37	815,932	968,618	413,872	21.72	19,055
100	1,134,013.31	013,334	JUO, UIO	113,012	41.14	19,000



### ACCOUNT 362 STATION EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA ALVAGE PERCENT					
1970	1,395,409.44	971,841	1,153,703	520,788	22.24	23,417
1971	500,261.21	342,521	406,617	193,696	22.76	8,510
1972	1,202,366.64	808,813	960,167	482,673	23.29	20,724
1973	1,292,870.21	853,884	1,013,672	537,772	23.83	22,567
1974	2,036,630.77	1,319,737	1,566,701	877,256	24.38	35,983
1975	2,249,276.03	1,429,514	1,697,021	1,002,110	24.93	40,197
1976	2,293,776.50	1,428,729	1,696,089	1,056,443	25.49	41,445
1977	2,365,671.58	1,443,504	1,713,629	1,125,177	26.05	43,193
1978	1,422,031.55	849,362	1,008,304	698,134	26.62	26,226
1979	1,108,677.33	647,632	768,824	561,589	27.20	20,647
1980	4,728,304.69	2,699,957	3,205,204	2,468,762	27.78 28.37	88,868
1981 1982	3,554,664.97 2,391,632.76	1,982,309 1,301,240	2,353,261 1,544,743	1,912,337 1,325,216	28.97	67,407 45,744
1983	684,782.84	363,275	431,255	390,484	29.57	13,205
1984	151,766.80	78,415	93,089	89,031	30.18	2,950
1985	296,722.20	149,213	177,135	178,932	30.79	5,811
1986	1,041,641.52	509,188	604,473	645,497	31.41	20,551
1987	459,721.20	218,167	258,993	292,672	32.04	9,135
1988	1,759,150.43	809,730	961,256	1,149,725	32.67	35,192
1989	3,302,770.32	1,472,415	1,747,950	2,215,374	33.31	66,508
1990	5,673,255.69	2,446,966	2,904,870	3,903,037	33.95	114,964
1991	7,543,644.46	3,144,432	3,732,854	5,319,519	34.59	153,788
1992	14,570,645.22	5,858,973	6,955,370	10,529,404	35.24	298,791
1993	6,896,613.83	2,670,148	3,169,816	5,106,121	35.90	142,232
1994	7,507,107.23	2,794,356	3,317,268	5,691,261	36.56	155,669
1995	10,507,985.80	3,754,377	4,456,939	8,152,644	37.22	219,039
1996	3,800,447.61	1,301,030	1,544,493	3,016,044	37.88	79,621
1997	4,710,344.14	1,541,074	1,829,457	3,822,956	38.55	99,169
1998	5,933,233.16	1,849,816	2,195,975	4,923,905	39.23	125,514
1999	4,252,806.84	1,261,400	1,497,447	3,605,921	39.90	90,374
2000	2,305,696.06	648,380	769,712	1,997,123	40.58	49,214
2001	2,275,620.98	604,369	717,465	2,013,280	41.27	48,783
2002	1,760,062.25	440,346	522,749	1,589,326	41.95	37,886
2003	2,893,419.41	678,692	805,697	2,666,406	42.64	62,533
2004	1,929,923.10	422,537	501,607	1,814,301	43.33	41,872
2005	7,624,954.10	1,550,275	1,840,380	7,309,565	44.02	166,051
2006	8,574,604.18	1,607,532	1,908,352	8,381,173	44.72	187,414
2007 2008	5,754,135.68 7,279,200.68	987,548	1,172,349 1,346,083	5,732,614 7,388,958	45.42 46.12	126,213 160,212
2008	10,839,221.98	1,133,896 1,514,283	1,346,063	11,209,413	46.12 46.83	239,364
2010	13,645,219.48	1,686,877	2,002,545	14,371,718	47.54	302,308
2010	13,043,217.40	1,000,077	2,002,545	11,5/1,/10	17.51	302,300



### ACCOUNT 362 STATION EQUIPMENT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVI	VOR CURVE IOWA	53-R1				
NET S	ALVAGE PERCENT	-20				
2011	10,859,563.06	1,165,405	1,383,489	11,647,987	48.26	241,359
2012	9,916,815.34	902,629	1,071,539	10,828,639	48.98	221,083
2013	9,705,137.67	725,090	860,777	10,785,388	49.70	217,010
2014	10,712,499.77	625,781	742,884	12,112,116	50.42	240,224
2015	13,195,235.72	552,775	656,217	15,178,066	51.15	296,736
2016	8,487,570.21	213,276	253,186	9,931,898	51.89	191,403
2017	13,180,737.66	110,402	131,062	15,685,823	52.63	298,040
	261,645,329.74	73,774,427	87,574,653	226,399,743		5,458,271

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 41.5 2.09



### ACCOUNT 364 POLES, TOWERS AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA ALVAGE PERCENT					
1946	60,251.76	92,086	109,312	11,192	12.97	863
1947	10,307.74	15,604	18,523	2,092	13.37	156
1948	11,916.01	17,865	21,207	2,625	13.77	191
1949	12,059.92	17,906	21,255	2,865	14.17	202
1950	17,069.29	25,089	29,782	4,357	14.58	299
1951	24,088.05	35,037	41,591	6,585	15.00	439
1952	43,179.30	62,147	73,772	12,587	15.42	816
1953 1954	73,767.58 1,977,581.69	105,018 2,784,435	124,663 3,305,291	22,872 649,872	15.85 16.28	1,443 39,918
1954	409,605.58	570,171	676,827	142,384	16.28	8,516
1956	561,293.83	772,138	916,574	206,014	17.17	11,998
1957	650,150.88	883,737	1,049,049	251,253	17.62	14,260
1958	659,028.16	885,009	1,050,559	267,497	18.07	14,803
1959	843,553.43	1,118,704	1,327,968	359,139	18.53	19,381
1960	948,780.56	1,242,049	1,474,386	423,175	19.00	22,272
1961	920,621.57	1,189,112	1,411,547	429,696	19.48	22,058
1962	1,182,513.05	1,506,734	1,788,583	576,443	19.96	28,880
1963	1,206,154.09	1,515,798	1,799,343	612,965	20.44	29,989
1964	1,529,783.99	1,895,249	2,249,774	809,794	20.93	38,691
1965	1,636,799.22	1,998,074	2,371,833	901,765	21.43	42,080
1966	1,909,815.24	2,295,942	2,725,420	1,094,210	21.94	49,873
1967	1,563,380.97	1,850,480	2,196,630	930,132	22.45	41,431
1968	1,636,310.55	1,905,844	2,262,351	1,010,270	22.97	43,982
1969	1,568,650.38	1,797,391	2,133,611	1,003,690	23.49	42,728
1970	1,523,092.80	1,715,825	2,036,787	1,009,399	24.02	42,023
1971	1,777,166.08	1,967,145	2,335,119	1,219,213	24.56	49,642
1972 1973	2,855,552.78 2,496,378.10	3,104,785 2,664,334	3,685,565 3,162,724	2,025,541 1,830,032	25.10 25.65	80,699 71,346
1973	2,399,044.36	2,512,471	2,982,453	1,815,636	26.20	69,299
1975	2,255,421.24	2,312,471	2,748,376	1,762,466	26.77	65,837
1976	2,618,847.93	2,635,032	3,127,940	2,109,756	27.33	77,196
1977	2,994,323.82	2,949,708	3,501,480	2,487,168	27.91	89,114
1978	3,257,827.84	3,140,546	3,728,016	2,787,640	28.49	97,846
1979	4,114,314.57	3,879,387	4,605,064	3,623,565	29.07	124,650
1980	4,420,751.41	4,071,954	4,833,653	4,007,850	29.67	135,081
1981	3,941,478.64	3,544,493	4,207,525	3,675,432	30.27	121,422
1982	4,079,513.19	3,579,610	4,249,211	3,909,815	30.87	126,654
1983	3,044,769.12	2,604,130	3,091,258	2,998,280	31.48	95,244
1984	3,251,114.12	2,707,268	3,213,689	3,288,539	32.10	102,447
1985	3,731,747.56	3,023,387	3,588,941	3,874,554	32.72	118,415
1986	3,629,375.07	2,858,641	3,393,378	3,865,372	33.34	115,938



### ACCOUNT 364 POLES, TOWERS AND FIXTURES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SIIRVI	VOR CURVE IOWA	55-R1				
	ALVAGE PERCENT					
NHI D	THE VIOL THE CHIVI.	100				
1987	3,656,507.06	2,796,204	3,319,261	3,993,753	33.97	117,567
1988	3,995,507.26	2,962,509	3,516,675	4,474,340	34.61	129,279
1989	4,236,519.99	3,042,584	3,611,729	4,861,311	35.25	137,910
1990	3,415,279.80	2,372,048	2,815,763	4,014,797	35.90	111,833
1991	10,511,787.32	7,052,358	8,371,570	12,652,005	36.55	346,156
1992	16,037,053.40	10,380,464	12,322,231	19,751,876	37.20	530,964
1993	16,073,558.43	10,018,327	11,892,353	20,254,764	37.86	534,991
1994	16,903,556.45	10,129,963	12,024,871	21,782,242	38.52	565,479
1995	15,786,048.26	9,075,399	10,773,041	20,799,056	39.19	530,724
1996	18,617,249.95	10,249,541	12,166,817	25,067,683	39.86	628,893
1997	15,093,609.63	7,941,956	9,427,576	20,759,643	40.53	512,204
1998	9,970,753.15	4,999,934	5,935,220	14,006,286	41.21	339,876
1999	7,249,663.59	3,458,814	4,105,819	10,393,508	41.88	248,174
2000	10,322,776.16	4,665,895	5,538,696	15,106,856	42.57	354,871
2001	6,683,354.99	2,855,664	3,389,844	9,976,866	43.25	230,679
2002	8,086,037.90	3,252,043	3,860,369	12,311,707	43.94	280,194
2003	7,884,495.02	2,973,243	3,529,417	12,239,573	44.63	274,245
2004	7,484,744.83	2,634,630	3,127,463	11,842,027	45.32	261,298
2005	10,133,482.23	3,312,635	3,932,296	16,334,668	46.01	355,024
2006	7,579,917.32	2,285,042	2,712,481	12,447,354	46.71	266,482
2007	10,770,230.99	2,972,584	3,528,635	18,011,827	47.41	379,916
2008	9,453,374.57	2,365,045	2,807,450	16,099,299	48.12	334,566
2009	10,573,851.10	2,372,349	2,816,120	18,331,582	48.83	375,416
2010	8,326,778.32	1,653,199	1,962,446	14,691,111	49.54	296,550
2011	11,280,138.62	1,948,306	2,312,756	20,247,521	50.25	402,936
2012	8,924,828.34	1,307,844	1,552,489	16,297,168	50.97	319,740
2013	10,767,290.93	1,292,075	1,533,770	20,000,812	51.70	386,863
2014	9,964,457.55	934,865	1,109,741	18,819,174	52.42	359,008
2015	9,474,287.32	637,430	756,668	18,191,907	53.15	342,275
2016	10,437,294.59	421,249	500,047	20,374,542	53.89	378,076
2017	11,673,476.10	157,125	186,517	23,160,435	54.63	423,951
	383,215,292.64	196,376,939	233,111,161	533,319,424		12,814,262

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 41.6 3.34



#### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIV	OR CURVE IOWA	60-R1				
	LVAGE PERCENT					
1946	524,958.63	604,610	717,708	122,226	16.81	7,271
1947	102,179.85	116,539	138,339	25,149	17.23	1,460
1948	183,973.04	207,719	246,575	47,782	17.66	2,706
1949	154,591.57	172,729	205,040	42,307	18.10	2,337
1950 1951	165,147.16 185,115.08	182,587	216,742	47,493	18.54 18.99	2,562 2,942
1951	183,443.44	202,442 198,363	240,311 235,469	55,873 58,041	19.45	2,942
1953	334,980.41	358,204	425,210	110,759	19.90	5,566
1954	2,959,352.56	3,127,444	3,712,463	1,022,501	20.37	50,196
1955	383,926.76	400,924	475,921	138,362	20.84	6,639
1956	654,950.13	675,730	802,132	245,788	21.31	11,534
1957	558,508.84	569,080	675,532	218,082	21.79	10,008
1958	481,764.00	484,593	575,241	195,581	22.28	8,778
1959	562,631.70	558,581	663,069	237,142	22.77	10,415
1960	599,883.01	587,569	697,479	262,334	23.27	11,273
1961	590,901.53	570,887	677,677	267,765	23.77	11,265
1962	823,080.53	784,007	930,663	386,266	24.28	15,909
1963 1964	903,065.43 1,197,052.32	847,913 1,107,034	1,006,523	438,382 601,169	24.79 25.32	17,684 23,743
1964	1,197,052.32	1,359,680	1,314,115 1,614,021	774,190	25.32	29,961
1966	1,655,919.18	1,485,028	1,762,817	886,654	26.37	33,624
1967	1,624,527.67	1,433,483	1,701,630	897,614	26.91	33,356
1968	1,555,082.18	1,349,388	1,601,804	886,327	27.46	32,277
1969	1,528,158.30	1,303,629	1,547,486	897,567	28.01	32,045
1970	1,401,803.38	1,175,272	1,395,118	847,767	28.56	29,684
1971	1,516,047.34	1,248,423	1,481,953	943,723	29.12	32,408
1972	2,726,838.03	2,204,027	2,616,312	1,746,629	29.69	58,829
1973	2,600,754.88	2,062,586	2,448,413	1,712,795	30.26	56,603
1974	2,602,689.14	2,023,851	2,402,432	1,761,871	30.84	57,129
1975	2,643,992.17	2,015,060	2,391,997	1,838,390	31.42	58,510
1976	2,761,387.13	2,061,099	2,446,648	1,971,571	32.01	61,592
1977	3,637,442.68	2,656,788	3,153,766	2,666,142	32.61	81,758
1978 1979	3,682,218.48 4,649,277.90	2,630,577 3,247,056	3,122,652 3,854,449	2,768,898 3,584,396	33.21 33.81	83,375 106,016
1980	5,549,344.50	3,783,943	4,491,766	4,387,185	34.43	127,423
1981	5,256,604.52	3,498,796	4,153,280	4,257,287	35.04	121,498
1982	5,149,670.98	3,342,507	3,967,755	4,271,719	35.66	119,790
1983	3,123,245.84	1,974,741	2,344,136	2,653,057	36.29	73,107
1984	4,195,993.18	2,582,516	3,065,601	3,647,988	36.92	98,808
1985	4,571,626.86	2,736,905	3,248,870	4,065,733	37.55	108,275
1986	4,787,115.41	2,784,186	3,304,995	4,354,390	38.19	114,019



### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA ALVAGE PERCENT					
1987 1988 1989 1990 1991 1992 1993 1994 1995	4,026,669.95 3,890,394.69 4,412,836.27 4,158,978.07 9,849,493.99 10,499,899.70 16,258,843.56 11,284,889.26 8,764,293.76 8,233,502.95	2,272,137 2,127,766 2,337,038 2,130,528 4,872,269 5,006,352 7,466,061 4,980,338 3,711,433 3,337,269	2,697,162 2,525,785 2,774,204 2,529,064 5,783,674 5,942,839 8,862,660 5,911,959 4,405,693 3,961,538	3,745,510 3,698,847 4,286,334 4,125,301 9,975,516 10,857,001 17,151,490 12,143,864 9,617,177 9,212,067	38.84 39.49 40.14 40.79 41.45 42.12 42.78 43.45 44.12 44.80	96,434 93,665 106,785 101,135 240,664 257,764 400,923 279,491 217,978 205,626
1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	6,994,427.08 5,208,426.63 3,900,043.63 6,032,130.76 2,600,809.50 3,777,299.22 3,341,985.85 3,773,892.92 5,591,892.60 3,113,908.71 6,061,248.36	2,708,242 1,922,284 1,368,635 2,007,493 817,695 1,118,081 926,826 977,167 1,343,575 690,042 1,228,445	3,214,845 2,281,866 1,624,651 2,383,014 970,653 1,327,229 1,100,198 1,159,956 1,594,904 819,121 1,458,237	7,976,238 6,051,617 4,615,419 7,268,395 3,190,642 4,716,450 4,246,979 4,878,273 7,352,124 4,163,133 8,239,760	45.48 46.16 46.84 47.52 48.21 48.90 49.60 50.29 50.99 51.69 52.40	175,379 131,101 98,536 152,954 66,182 96,451 85,625 97,003 144,188 80,540 157,247
2008 2009 2010 2011 2012 2013 2014 2015 2016 2017	4,160,812.17 5,258,317.46 4,595,001.98 6,448,629.84 4,287,235.00 4,623,751.20 5,341,303.27 5,020,809.47 6,158,782.10 5,666,938.10	765,589 868,001 670,282 816,861 460,758 408,148 367,482 247,666 182,300 55,944	908,800 1,030,369 795,665 969,663 546,947 484,496 436,223 293,994 216,401 66,409	5,748,499 7,382,939 6,556,338 9,348,145 6,312,629 6,913,506 8,109,862 7,739,301 9,637,650 9,000,692	53.10 53.81 54.53 55.25 55.97 56.69 57.42 58.15 58.89 59.63	108,258 137,204 120,234 169,197 112,786 121,953 141,238 133,092 163,655 150,942
	263,599,325.62	118,909,203	141,152,329	280,606,592		6,399,589

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 43.8 2.43



#### ACCOUNT 366 UNDERGOUND CONDUIT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	70-R3				
NET SAI	LVAGE PERCENT	-50				
1954	864,186.98	972,949	1,154,949	141,331	17.46	8,095
1955	1,305.29	1,454	1,726	232	18.03	13
1956	13,654.44	15,039	17,852	2,630	18.60	141
1957	19,979.46	21,753	25,822	4,147	19.19	216
1958	61,527.86	66,200	78,583	13,709	19.79	693
1959	11,291.12	11,998	14,242	2,695	20.41	132
1960	30,090.21	31,575	37,481	7,654	21.03 21.67	364
1961 1962	10,208.91 33,496.50	10,573 34,224	12,551 40,626	2,762 9,619	21.67	127 431
1962	34,572.77	34,834	41,350	10,509	22.98	457
1964	34,611.32	34,376	40,806	11,111	23.65	470
1965	57,011.20	55,794	66,231	19,286	24.33	793
1966	271,896.73	262,069	311,092	96,753	25.02	3,867
1967	158,148.20	150,060	178,130	59,092	25.72	2,298
1968	743,785.99	694,432	824,332	291,347	26.43	11,023
1969	126,232.12	115,936	137,623	51,725	27.14	1,906
1970	207,134.32	186,999	221,979	88,722	27.87	3,183
1971	147,008.25	130,387	154,777	65,735	28.61	2,298
1972	252,219.10	219,699	260,796	117,533	29.35	4,005
1973	270,027.79	230,817	273,994	131,048	30.11	4,352
1974	239,149.63	200,527	238,038	120,686	30.87	3,909
1975	206,565.01	169,796	201,558	108,290	31.64	3,423
1976	222,154.93	178,899	212,364	120,868	32.42	3,728
1977	375,395.01	296,023	351,397	211,696	33.20	6,376
1978	534,328.94	412,312	489,439	312,054	33.99	9,181
1979 1980	748,614.71 694,021.97	564,830 511,595	670,487 607,294	452,435 433,739	34.79 35.60	13,005 12,184
1981	827,316.37	595,308	706,666	534,309	36.42	14,671
1982	727,596.69	510,773	606,318	485,077	37.24	13,026
1983	296,861.08	203,115	241,110	204,182	38.07	5,363
1984	1,100,918.87	733,443	870,641	780,737	38.91	20,065
1985	1,296,474.42	840,388	997,591	947,121	39.75	23,827
1986	1,646,267.12	1,037,148	1,231,157	1,238,244	40.60	30,499
1987	1,375,771.35	841,374	998,761	1,064,896	41.46	25,685
1988	1,316,163.17	780,676	926,709	1,047,536	42.32	24,753
1989	2,237,017.38	1,285,166	1,525,569	1,829,957	43.19	42,370
1990	1,631,672.06	906,630	1,076,224	1,371,284	44.07	31,116
1991	4,370,476.65	2,346,028	2,784,875	3,770,840	44.95	83,890
1992	3,364,531.42	1,741,852	2,067,682	2,979,115	45.84	64,989
1993	6,760,898.03	3,371,288	4,001,920	6,139,427	46.73	131,381
1994	8,067,773.51	3,867,328	4,590,749	7,510,911	47.63	157,693

#### ACCOUNT 366 UNDERGOUND CONDUIT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	70-R3				
	ALVAGE PERCENT					
1995	3,652,513.85	1,679,627	1,993,818	3,484,953	48.54	71,795
1996	4,025,803.86	1,772,783	2,104,399	3,934,307	49.45	79,561
1997	3,611,981.76	1,520,121	1,804,474	3,613,499	50.36	71,753
1998	3,078,666.94	1,234,345	1,465,241	3,152,759	51.29	61,469
1999	1,639,504.63	624,996	741,908	1,717,349	52.21	32,893
2000	3,803,280.74	1,374,087	1,631,123	4,073,798	53.14	76,662
2001	2,221,508.47	757,857	899,622	2,432,641	54.08	44,982
2002	1,842,049.17	591,298	701,906	2,061,168	55.02	37,462
2003	1,506,477.49	453,231	538,012	1,721,704	55.96	30,767
2004	1,937,152.91	543,371	645,014	2,260,715	56.91	39,724
2005	4,165,166.05	1,083,547	1,286,235	4,961,514	57.86	85,750
2006	1,954,233.00	468,606	556,263	2,375,086	58.81	40,386
2007	2,685,401.59	588,667	698,783	3,329,319	59.77	55,702
2008	1,621,873.08	322,177	382,443	2,050,367	60.73	33,762
2009	1,406,545.16	250,161	296,956	1,812,862	61.70	29,382
2010	1,627,488.32	255,621	303,438	2,137,794	62.67	34,112
2011	2,488,579.37	339,168	402,613	3,330,256	63.64	52,330
2012	1,169,377.00	135,063	160,328	1,593,738	64.61	24,667
2013	2,551,358.53	241,103	286,204	3,540,834	65.59	53,984
2014	1,328,407.93	97,917	116,233	1,876,379	66.56	28,191
2015	1,465,615.18	77,253	91,704	2,106,719	67.54	31,192
2016	1,644,620.16	52,151	61,906	2,405,024	68.52	35,100
2017	2,003,223.25	21,034	24,969	2,979,866	69.51	42,870
	04 010 105 30	20 150 051	46 405 003	05 742 605		1 060 404
	94,819,185.32	39,159,851	46,485,083	95,743,695		1,860,494

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 51.5 1.96



#### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	60-R2.5				
NET SAI	LVAGE PERCENT	-35				
1946	380.65	428	508	6	9.98	1
1954	15,935.69	16,916	20,080	1,433	12.82	112
1955	17,892.61	18,829	22,351	1,804	13.23	136
1956	29,414.19	30,669	36,406	3,303	13.66	242
1957	128,766.17	132,954	157,824	16,010	14.11	1,135
1958	112,171.77	114,660	136,108	15,324	14.57	1,052
1959	123,299.65	124,729	148,061	18,394	15.04	1,223
1960	123,981.16	124,053	147,258	20,117	15.53	1,295
1961	128,043.42	126,676	150,372	22,487	16.03	1,403
1962	153,073.87	149,650	177,643	29,007	16.55	1,753
1963	175,432.94	169,415	201,106	35,728	17.08	2,092
1964	271,708.45	259,086	307,551	59,255	17.62 18.18	3,363
1965 1966	236,854.27 700,477.42	222,868 650,131	264,558 771 744	55,195 173,901	18.75	3,036 9,275
1967	720,443.05	659,101	771,744 782,392	190,206	19.34	9,835
1968	1,124,298.07	1,013,634	1,203,244	314,558	19.93	15,783
1969	375,853.33	333,703	396,125	111,277	20.54	5,418
1970	345,096.49	301,578	357,991	107,889	21.16	5,099
1971	446,504.42	383,869	455,675	147,106	21.79	6,751
1972	635,222.32	536,826	637,245	220,305	22.44	9,818
1973	929,579.85	771,997	916,407	338,526	23.09	14,661
1974	863,097.10	703,769	835,416	329,765	23.76	13,879
1975	648,935.27	519,356	616,507	259,556	24.43	10,624
1976	945,057.13	741,893	880,671	395,156	25.11	15,737
1977	1,314,092.39	1,010,893	1,199,990	574,035	25.81	22,241
1978	1,616,201.47	1,217,855	1,445,667	736,205	26.51	27,771
1979	2,165,699.12	1,596,834	1,895,537	1,028,157	27.23	37,758
1980	2,165,749.84	1,561,786	1,853,933	1,069,829	27.95	38,277
1981	1,953,739.38	1,376,800	1,634,344	1,003,204	28.68	34,979
1982	1,484,887.22	1,021,683	1,212,799	791,799	29.42	26,914
1983	639,325.30	429,102	509,370	353,719	30.17	11,724
1984	1,669,165.27	1,092,142	1,296,438	956,935	30.92	30,949
1985	2,770,626.86	1,764,808	2,094,933	1,645,413	31.69	51,922
1986	2,391,669.38	1,481,998	1,759,220	1,469,534	32.46	45,272
1987	2,223,628.60	1,338,847	1,589,291	1,412,608	33.24	42,497
1988	2,118,314.03	1,237,774	1,469,312	1,390,412	34.03	40,858
1989 1990	2,057,115.01 2,011,816.85	1,165,468 1,103,139	1,383,480 1,309,492	1,393,625 1,406,461	34.82	40,024
1990	5,978,238.17	3,169,091	3,761,900	4,308,722	35.63 36.44	39,474 118,242
1991	4,260,260.87	2,180,740	2,588,669	3,162,683	37.25	84,904
1993	7,440,310.32	3,669,528	4,355,949	5,688,470	38.08	149,382
エノノン	,,110,010.02	5,005,520	1,000,040	5,000,110	50.00	117,302



#### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	60-R2.5				
	ALVAGE PERCENT					
1994	4,686,854.61	2,224,030	2,640,057	3,687,197	38.91	94,762
1995	6,623,142.32	3,019,189	3,583,958	5,357,284	39.74	134,808
1996	8,371,970.68	3,656,249	4,340,186	6,961,974	40.59	171,519
1997	7,900,627.08	3,299,266	3,916,426	6,749,421	41.44	162,872
1998	7,471,200.29	2,975,406	3,531,985	6,554,135	42.30	154,944
1999	5,154,287.11	1,952,983	2,318,308	4,639,980	43.16	107,506
2000	6,718,435.27	2,414,132	2,865,719	6,204,169	44.03	140,908
2001	4,489,638.74	1,525,375	1,810,711	4,250,301	44.90	94,661
2002	4,292,006.64	1,373,228	1,630,104	4,164,105	45.78	90,959
2003	5,468,379.79	1,640,128	1,946,930	5,435,383	46.67	116,464
2004	4,905,415.98	1,373,004	1,629,838	4,992,474	47.56	104,972
2005	7,265,393.59	1,888,094	2,241,280	7,567,001	48.45	156,182
2006	4,517,147.21	1,082,421	1,284,898	4,813,251	49.35	97,533
2007	7,311,259.20	1,602,230	1,901,943	7,968,257	50.26	158,541
2008	4,818,449.37	957,327	1,136,404	5,368,503	51.17	104,915
2009	5,164,341.31	920,286	1,092,434	5,879,427	52.08	112,892
2010	3,217,002.18	506,692	601,474	3,741,479	53.00	70,594
2011	5,078,145.18	694,667	824,611	6,030,885	53.92	111,849
2012	3,644,754.11	422,319	501,318	4,419,100	54.85	80,567
2013	4,011,780.52	381,821	453,244	4,962,660	55.77	88,984
2014	2,928,672.75	216,782	257,333	3,696,375	56.71	65,180
2015	5,673,084.56	301,215	357,561	7,301,103	57.64	126,667
2016	4,623,939.90	147,756	175,395	6,066,924	58.58	103,566
2017	5,097,816.86	53,886	63,966	6,818,087	59.53	114,532
	182,946,104.62	69,153,764	82,089,650	164,887,591		3,743,288
	102,010,101.02	07,133,704	02,000,000	104,007,391		3,143,200

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 44.0 2.05



#### ACCOUNT 368 LINE TRANSFORMERS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	R CURVE IOWA	46-R1.5				
NET SALV	VAGE PERCENT	-30				
1921	2,101.47	2,732	2,732			
1922	335.63	436	436			
1923	1,814.68	2,359	2,359			
1924	394.53	513	513			
1925	1,018.76	1,324	1,324			
1926	1,355.98	1,749	1,763			
1927	1,502.31	1,925	1,953			
1928	3,268.17	4,158	4,249			
1929	3,532.20	4,461	4,592			
1930	2,944.80	3,691	3,828			
1931 1932	542.16 517.74	674 639	705 673			
1932	375.45	460	488			
1934	201.35	245	262			
1935	525.81	636	684			
1936	2,227.11	2,679	2,895			
1937	3,043.28	3,641	3,956			
1938	2,397.35	2,853	3,117			
1939	4,038.52	4,781	5,250			
1940	3,926.95	4,623	5,105			
1941	13,089.59	15,326	17,016			
1942	9,317.48	10,846	12,113			
1943	7,107.11	8,223	9,239			
1944	14,893.85	17,127	19,362			
1945	20,860.92	23,835	27,119			
1946	51,677.12	58,651	67,180			
1947	53,125.10	59,889	69,063			
1948	25,406.93	28,441	33,029			
1949	23,882.46	26,545	31,047			
1950	27,716.31	30,580	36,031	000	0 15	2.5
1954	9,895.68	10,585	12,566	298	8.15	37
1955	1,819.67	1,931	2,292	74	8.46	9
1956	126,642.76	133,248	158,185	6,451	8.77	736
1957 1958	248,238.26	258,868 511,260	307,314	15,396	9.10	1,692
1959	494,687.79 888,125.16	909,599	606,940 1,079,826	36,154 74,737	9.43 9.76	3,834 7,657
1960	1,073,752.82	1,089,092	1,292,910	102,969	10.11	
1961	895,644.54	899,579	1,067,930	96,408	10.11	10,185 9,217
1962	874,610.50	869,311	1,031,998	104,996	10.40	9,695
1963	943,249.50	927,663	1,101,270	124,954	11.20	11,157
1964	997,934.87	970,729	1,152,396	144,919	11.58	12,515
1 / J 1	JJ., JJ 1.01	2.01.22	1,100,000	,		12,515



#### ACCOUNT 368 LINE TRANSFORMERS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	46-R1.5				
NET SA	ALVAGE PERCENT	-30				
						4
1965	1,178,657.05	1,133,531	1,345,665	186,589	11.97	15,588
1966 1967	1,129,305.85 1,110,434.00	1,072,988 1,042,196	1,273,792 1,237,238	194,306 206,326	12.38 12.79	15,695 16,132
1968	1,236,731.86	1,146,053	1,360,531	247,220	13.21	18,715
1969	1,304,308.38	1,192,448	1,415,608	279,993	13.65	20,512
1970	1,485,037.24	1,338,797	1,589,346	341,202	14.10	24,199
1971	1,732,128.37	1,539,533	1,827,649	424,118	14.55	29,149
1972	2,292,962.96	2,007,544	2,383,245	597,607	15.02	39,787
1973	2,948,481.82	2,541,450	3,017,069	815,957	15.50	52,642
1974	2,047,264.73	1,735,714	2,060,544	600,900	16.00	37,556
1975	2,123,560.36	1,770,391	2,101,710	658,918	16.50	39,934
1976	3,038,580.47	2,488,597	2,954,325	995,830	17.02	58,509
1977	4,353,436.02	3,501,512	4,156,802	1,502,665	17.54	85,671
1978	5,249,246.05	4,141,907	4,917,043	1,906,977	18.08	105,474
1979	6,126,450.24	4,738,809	5,625,652	2,338,733	18.63	125,536
1980	5,980,762.67	4,531,498	5,379,544	2,395,447	19.19	124,828
1981	5,520,714.42	4,093,935	4,860,093	2,316,836	19.76	117,249
1982	5,173,180.47 5,519,197.64	3,751,482 3,910,352	4,453,552 4,642,154	2,271,583	20.34	111,681 121,013
1983 1984	10,635,230.77	7,354,773	8,731,180	2,532,803 5,094,620	20.93 21.53	236,629
1985	7,865,609.16	5,303,859	6,296,448	3,928,844	22.14	177,455
1986	9,586,522.18	6,296,294	7,474,612	4,987,867	22.76	219,151
1987	9,847,949.66	6,292,603	7,470,231	5,332,104	23.39	227,965
1988	9,878,528.21	6,133,509	7,281,363	5,560,724	24.03	231,408
1989	11,040,232.57	6,652,005	7,896,893	6,455,409	24.68	261,564
1990	13,950,591.88	8,145,318	9,669,672	8,466,097	25.34	334,100
1991	14,511,100.35	8,201,877	9,736,815	9,127,615	26.00	351,062
1992	14,358,387.15	7,839,679	9,306,834	9,359,069	26.68	350,790
1993	13,771,183.45	7,254,467	8,612,102	9,290,436	27.36	339,563
1994	17,926,447.59	9,093,836	10,795,700	12,508,682	28.05	445,942
1995	12,805,200.24	6,242,535	7,410,793	9,235,967	28.75	321,251
1996	10,553,621.00	4,936,076	5,859,837	7,859,870	29.45	266,889
1997	12,665,746.78	5,669,885	6,730,974	9,734,497	30.16	322,762
1998	8,780,677.65	3,752,071	4,454,251	6,960,630	30.88	225,409
1999	8,106,472.71	3,296,732	3,913,698	6,624,717	31.61	209,577
2000 2001	12,458,249.22 8,196,194.32	4,809,482 2,995,029	5,709,551 3,555,533	10,486,173 7,099,520	32.34	324,248 214,682
2001	8,494,502.79	2,923,029	3,333,333	7,099,320	33.07 33.82	223,883
2002	8,766,645.15	2,831,837	3,361,800	8,034,839	34.57	232,422
2003	8,978,154.44	2,709,796	3,216,920	8,454,681	35.32	232,422
2005	11,765,076.03	3,298,280	3,915,536	11,379,063	36.08	315,384
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#### ACCOUNT 368 LINE TRANSFORMERS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA ALVAGE PERCENT					
2006	8,655,568.02	2,240,658	2,659,985	8,592,253	36.84	233,232
2007	15,445,587.28	3,662,257	4,347,629	15,731,634	37.61	418,283
2008	14,175,699.94	3,048,612	3,619,144	14,809,266	38.39	385,758
2009	12,508,841.29	2,414,507	2,866,370	13,395,124	39.17	341,974
2010	9,187,215.71	1,570,793	1,864,759	10,078,621	39.95	252,281
2011	10,561,312.03	1,569,992	1,863,808	11,865,898	40.74	291,259
2012	9,483,185.17	1,195,337	1,419,038	10,909,103	41.54	262,617
2013	8,899,109.37	920,533	1,092,806	10,476,036	42.34	247,426
2014	9,879,574.42	798,477	947,908	11,895,539	43.14	275,743
2015	11,619,253.72	673,231	799,222	14,305,808	43.95	325,502
2016	13,041,493.74	453,348	538,190	16,415,752	44.77	366,669
2017	13,496,440.66	156,329	185,585	17,359,788	45.59	380,781
	448,283,787.92	195,322,588	231,859,584	350,909,340		11,079,639

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 31.7 2.47



### ACCOUNT 369.1 OVERHEAD SERVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CITRALIS	R CURVE IOWA	55-P1				
	VAGE PERCENT					
1946	400.43	413	490	51	12.97	4
1947	3,397.39	3,472	4,121	465	13.37	35
1948	2,315.15	2,343	2,781	344	13.77	25
1950	3,182.90	3,158	3,749	548	14.58	38
1951	3,266.24	3,207	3,807	602	15.00	40
1952	10,219.16	9,928	11,785	2,011	15.42	130
1953	34,737.94	33,382	39,626	7,270	15.85	459
1954	351,503.09	334,069	396,560	77,969	16.28	4,789
1955 1956	70,561.09 183,478.04	66,299 170,370	78,701 202,239	16,556	16.72 17.17	990 2,647
1957	215,975.71	198,161	235,229	45,456 56,338	17.17	3,197
1958	258,196.94	234,045	277,825	70,741	18.07	3,197
1959	330,586.33	295,931	351,288	95,004	18.53	5,127
1960	371,623.48	328,382	389,809	111,883	19.00	5,889
1961	337,537.03	294,284	349,333	106,342	19.48	5,459
1962	358,901.84	308,681	366,423	118,094	19.96	5,917
1963	433,971.19	368,132	436,995	148,866	20.44	7,283
1964	485,851.72	406,297	482,299	173,601	20.93	8,294
1965	498,377.33	410,656	487,473	185,336	21.43	8,648
1966	447,633.88	363,242	431,190	173,116	21.94	7,890
1967	426,278.08	340,578	404,286	171,189	22.45	7,625
1968	433,824.36	341,067	404,867	180,796	22.97	7,871
1969	466,733.21	360,985	428,511	201,579	23.49	8,581
1970	491,881.81	374,034	444,001	220,039	24.02	9,161
1971	521,610.20	389,725	462,627	241,547	24.56	9,835
1972	1,483,375.03	1,088,670	1,292,316	710,240	25.10	28,296
1973	712,122.55	513,023	608,989	352,376	25.65	13,738
1974	717,692.21	507,347	602,251	366,633	26.20	13,994
1975	714,873.31	495,346	588,005	377,074	26.77	14,086
1976	702,034.50	476,802	565,992	381,755	27.33	13,968
1977	812,908.32	540,537	641,650	455,776	27.91	16,330
1978	859,634.12	559,364	663,999	496,507	28.49	17,427
1979	1,018,315.44	648,114	769,350	605,376	29.07	20,825
	1,073,586.67	667,494	792,355	656,987	29.67	22,143
1981	1,071,341.02	650,319	771,968	674,342	30.27	22,278
1982	992,083.33	587,597	697,513	641,799	30.87	20,790
1983	740,233.26	427,347	507,286	492,029	31.48	15,630
1984	772,892.39	434,432	515,697	527,708	32.10	16,440
1985	659,549.26	360,689	428,159	462,233	32.72	14,127
1986	809,030.46	430,127	510,586	581,605	33.34	17,445
1987	607,184.10	313,420	372,048	447,651	33.97	13,178



#### ACCOUNT 369.1 OVERHEAD SERVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	55-R1				
NET S	ALVAGE PERCENT	-35				
1988	528,037.40	264,275	313,710	399,140	34.61	11,533
1989	584,546.09	283,371	336,378	452,759	35.25	12,844
1990	873,379.39	409,453	486,045	693,017	35.90	19,304
1991	1,451,538.50	657,340	780,302	1,179,275	36.55	32,265
1992	1,140,378.87	498,247	591,449	948,062	37.20	25,486
1993	1,265,589.48	532,451	632,051	1,076,495	37.86	28,434
1994	2,911,985.63	1,177,939	1,398,284	2,532,897	38.52	65,755
1995	2,100,470.09	815,103	967,576	1,868,059	39.19	47,667
1996	3,781,646.16	1,405,315	1,668,193	3,437,029	39.86	86,228
1997	1,056,770.04	375,335	445,545	981,095	40.53	24,207
1998	1,226,817.81	415,260	492,939	1,163,265	41.21	28,228
1999	2,472,004.59	796,091	945,008	2,392,198	41.88	57,120
2000	7,521,630.01	2,294,849	2,724,123	7,430,078	42.57	174,538
2001	267,007.53	77,009	91,414	269,046	43.25	6,221
2002	1,682,536.52	456,761	542,203	1,729,221	43.94	39,354
2003	2,193,212.17	558,266	662,695	2,298,141	44.63	51,493
2004	2,448,228.41	581,699	690,512	2,614,596	45.32	57,692
2005	3,453,527.84	762,047	904,595	3,757,668	46.01	81,671
2006	2,015,469.25	410,119	486,836	2,234,047	46.71	47,828
2007	3,498,762.92	651,820	773,749	3,949,581	47.41	83,307
2008	3,058,428.50	516,481	613,094	3,515,784	48.12	73,063
2009	2,648,383.01	401,079	476,105	3,099,212	48.83	63,469
2010	2,657,728.39	356,174	422,800	3,165,133	49.54	63,890
2011	2,758,082.33	321,554	381,704	3,341,707	50.25	66,502
2012	2,585,865.14	255,780	303,626	3,187,292	50.97	62,533
2013	2,767,509.07	224,168	266,101	3,470,036	51.70	67,119
2014	2,902,892.08	183,836	218,224	3,700,680	52.42	70,597
2015	2,964,760.45	134,642	159,828	3,842,599	53.15	72,297
2016	3,389,024.91	92,327	109,598	4,465,586	53.89	82,865
2017	3,596,078.23	32,672	38,784	4,815,922	54.63	88,155
	92,291,191.32	30,282,932	35,947,650	88,645,458		2,086,209

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.5 2.26



#### ACCOUNT 369.2 UNDERGROUND SERVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	DR CURVE IOWA					
	VAGE PERCENT					
1956	2,866.26	3,470	4,013			
1957	6,094.26	7,316	8,532			
1958	189.13	225	265			
1960	9,370.70	10,926	12,970	149	10.03	15
1961	4,100.22	4,728	5,612	128	10.58	12
1962 1963	8,659.52 2,905.48	9,870 3,271	11,716 3,883	407 185	11.15 11.75	37 16
1964	31,023.91	34,479	40,929	2,504	12.37	202
1965	74,934.87	82,161	97,530	7,379	13.01	567
1966	115,309.16	124,654	147,972	13,461	13.67	985
1967	100,096.02	106,642	126,591	13,543	14.34	944
1968	239,103.09	250,948	297,891	36,853	15.02	2,454
1969	119,465.82	123,432	146,522	20,730	15.72	1,319
1970	125,778.93	127,900	151,825	24,266	16.42	1,478
1971	193,990.56	194,003	230,294	41,293	17.14	2,409
1972	645,452.25	634,504	753,197	150,436	17.87	8,418
1973	422,804.47	408,328	484,711	107,215	18.61	5,761
1974	461,375.40	437,401	519,223	126,703	19.37	6,541
1975	507,951.56	472,547	560,943	150,189	20.13	7,461
1976	802,068.65 1,233,719.07	731,567	868,417	254,479	20.91	12,170
1977 1978	1,383,500.82	1,102,251 1,210,234	1,308,442 1,436,625	418,765 500,276	21.71 22.51	19,289 22,225
1979	1,493,384.17	1,210,234	1,516,825	573,913	23.33	24,600
1980	1,357,469.74	1,135,200	1,347,555	552,903	24.16	22,885
1981	1,224,910.94	1,000,338	1,187,465	527,410	25.00	21,096
1982	1,101,674.72	877,856	1,042,071	500,274	25.85	19,353
1983	1,090,942.00	847,402	1,005,920	521,399	26.71	19,521
1984	1,492,311.06	1,128,542	1,339,651	749,584	27.59	27,169
1985	1,269,579.76	934,030	1,108,753	668,659	28.47	23,486
1986	1,818,081.71	1,299,816	1,542,964	1,002,350	29.36	34,140
1987	1,144,228.74	793,751	942,233	659,687	30.27	21,793
1988	1,621,700.98	1,090,532	1,294,531	975,850	31.18	31,297
1989	1,993,883.74	1,298,018	1,540,830	1,250,607	32.10	38,960
1990	2,371,007.77	1,492,075	1,771,188	1,548,223	33.03	46,873
1991	2,530,385.45	1,537,462	1,825,065	1,717,475	33.96	50,573
1992	2,087,815.12	1,222,754	1,451,487	1,471,454 1,789,595	34.90	42,162
1993 1994	2,447,845.88 7,367,861.52	1,379,361 3,988,503	1,637,389 4,734,607	5,580,399	35.85 36.80	49,919 151,641
1995	5,447,109.31	2,826,712	3,355,487	4,270,466	37.76	113,095
1996	9,404,365.81	4,669,625	5,543,142	7,622,970	38.72	196,874
1997	6,048,367.20	2,866,321	3,402,505	5,065,209	39.69	127,619
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#### ACCOUNT 369.2 UNDERGROUND SERVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA					
NET S	ALVAGE PERCENT	-40				
1998	3,629,864.26	1,638,020	1,944,434	3,137,376	40.66	77,161
1999	5,971,489.30	2,558,186	3,036,730	5,323,355	41.64	127,842
2000	12,195,084.48	4,945,570	5,870,706	11,202,412	42.62	262,844
2001	2,719,877.05	1,040,794	1,235,489	2,572,339	43.60	58,999
2002	5,462,155.19	1,965,283	2,332,916	5,314,101	44.58	119,204
2003	6,915,557.31	2,328,468	2,764,040	6,917,740	45.57	151,805
2004	7,672,327.10	2,406,042	2,856,125	7,885,133	46.56	169,354
2005	9,521,563.27	2,766,014	3,283,434	10,046,755	47.55	211,288
2006	7,616,823.50	2,036,739	2,417,739	8,245,814	48.54	169,877
2007	9,724,017.02	2,375,577	2,819,961	10,793,663	49.53	217,922
2008	6,907,025.84	1,527,834	1,813,636	7,856,200	50.52	155,507
2009	4,428,974.15	876,326	1,040,255	5,160,309	51.52	100,161
2010	3,756,195.12	656,440	779,236	4,479,437	52.51	85,306
2011	4,098,397.49	620,653	736,754	5,001,002	53.51	93,459
2012	4,516,136.54	578,517	686,736	5,635,855	54.51	103,391
2013	5,271,757.40	552,280	655,592	6,724,868	55.51	121,147
2014	5,518,282.87	450,634	534,931	7,190,665	56.50	127,268
2015	6,138,052.47	358,082	425,066	8,168,207	57.50	142,056
2016	7,673,239.20	268,563	318,801	10,423,734	58.50	178,183
2017	7,460,181.17	87,001	103,276	10,340,978	59.50	173,798
	187,000,686.50	67,783,974	80,463,628	181,337,333		4,001,931

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 45.3 2.14



### ACCOUNT 370 METERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			. ,	, ,	, ,	, ,
	OR CURVE IOWA LVAGE PERCENT					
1958	638.94	658	658			
1959	8,228.04	8,475	8,475			
1960	24,692.23	25,433	25,433			
1961	29,612.40	30,501	30,501			
1962	83,037.83	85,529	85,529			
1963	95,975.53	98,855	98,855			
1964	132,364.53	136,335	136,335			
1965	121,442.33	125,086	125,086			
1966 1967	91,127.22 94,295.65	93,861 97,125	93,861 97,125			
1968	125,143.76	128,898	128,898			
1969	120,831.27	124,456	124,456			
1970	153,822.22	158,437	158,437			
1971	268,915.21	276,983	276,983			
1972	184,121.47	189,645	189,645			
1973	319,115.49	328,689	328,689			
1974	318,238.91	327,786	327,786			
1975	354,345.41	364,976	364,976			
1976	592,703.29	610,484	610,484			
1977	810,162.14	834,467	834,467			
1978	843,411.64	868,714	868,714			
1979	717,949.04	739,488	739,488			
1980	746,151.92	758,161	768,536			
1981	653,285.59	659,090	672,884			
1982	488,006.17	488,824	502,646			
1983	498,213.58	495,713	513,160			
1984	619,364.75	611,790	637,946			
1985	689,336.57	675,581	710,017			
1986	988,286.41	960,422	1,017,935			
1987 1988	1,143,384.64 1,298,075.66	1,101,725 1,238,747	1,177,686 1,337,018			
1989	1,299,425.69	1,230,747	1,337,018			
1990	1,449,481.28	1,354,866	1,492,966			
1991	1,939,337.83	1,791,774	1,997,518			
1992	1,520,582.59	1,386,870	1,566,200			
1993	1,356,542.01	1,219,789	1,397,238			
1994	1,815,729.73	1,607,438	1,870,202			
1995	2,768,349.89	2,409,433	2,851,400			
1996	837,203.87	714,863	862,320			
1997	3,951,474.11	3,304,855	4,070,018			
1998	2,360,758.57	1,927,028	2,431,581			



### ACCOUNT 370 METERS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
( 1 )	( 2 )	(3)	(4)	(3)	(0)	( / )
SURVI	OR CURVE IOWA	20-S3				
NET SA	ALVAGE PERCENT	-3				
1999	463,318.56	368,174	477,218			
2000	1,337,823.71	1,031,402	1,377,958			
2001	720,084.55	535,869	731,267	10,420	5.55	1,877
2002	1,868,643.46	1,336,706	1,824,119	100,584	6.11	16,462
2003	1,340,924.13	916,394	1,250,546	130,606	6.73	19,407
2004	1,824,682.88	1,184,037	1,615,781	263,642	7.40	35,627
2005	2,172,497.11	1,326,940	1,810,792	426,880	8.14	52,442
2006	2,254,503.26	1,285,304	1,753,974	568,164	8.93	63,624
2007	1,644,153.59	866,214	1,182,068	511,410	9.77	52,345
2008	2,047,388.46	984,814	1,343,914	764,896	10.66	71,754
2009	1,138,121.31	493,524	673,481	498,784	11.58	43,073
2010	1,095,828.43	421,006	574,521	554,182	12.54	44,193
2011	1,202,101.98	401,165	547,445	690,720	13.52	51,089
2012	1,213,973.07	343,233	468,388	782,004	14.51	53,894
2013	1,534,720.68	355,672	485,363	1,095,399	15.50	70,671
2014	1,905,874.35	343,534	468,799	1,494,252	16.50	90,561
2015	2,964,552.47	381,686	520,863	2,532,626	17.50	144,721
2016	2,244,607.53	173,396	236,623	2,075,323	18.50	112,180
2017	9,870,771.84	254,172	346,853	9,820,042	19.50	503,592
	70,757,736.78	42,593,082	50,560,533	22,319,936		1,427,512

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 15.6 2.02



### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	CURVE IOWA					
NET SALV	AGE PERCENT	-50				
1962	9,588.98	9,706	11,522	2,861	8.78	326
1963	32,879.37	32,934	39,095	10,224	8.97	1,140
1964	40,453.99	40,072	47,568	13,113	9.17	1,430
1965	33,979.52	33,300	39,529	11,440	9.36	1,222
1966	41,611.65	40,317	47,859	14,558	9.56	1,523
1967	39,839.32 36,099.23	38,157	45,295 40,567	14,464	9.76	1,482
1968 1969	55,954.18	34,174		13,582	9.96 10.17	1,364 2,146
1909	85,633.46	52,317 79,069	62,103 93,860	21,828 34,590	10.17	3,332
1971	57,135.24	52,088	61,832	23,871	10.59	2,254
1972	105,852.48	95,208	113,017	45,762	10.81	4,233
1973	56,888.92	50,473	59,914	25,419	11.03	2,305
1974	67,834.02	59,354	70,457	31,294	11.25	2,782
1975	71,603.37	61,737	73,285	34,120	11.48	2,972
1976	85,954.13	73,014	86,672	42,259	11.71	3,609
1977	88,543.94	74,082	87,940	44,876	11.94	3,758
1978	78,757.77	64,844	76,974	41,163	12.18	3,380
1979	107,321.20	86,930	103,191	57,791	12.42	4,653
1980	55,774.77	44,403	52,709	30,953	12.67	2,443
1981	67,359.74	52,690	62,546	38,494	12.92	2,979
1982	77,075.59	59,219	70,296	45,317	13.17	3,441
1983	69,737.88	52,574	62,408	42,199	13.43	3,142
1984	12,635.27	9,343	11,091	7,862	13.69	574
1985	8,017.30	5,808	6,894	5,132	13.96	368
1986	27,193.04	19,292	22,901	17,889	14.23	1,257
1987	12,072.42	8,384	9,952	8,157	14.50	563
1988	3,816.17	2,591	3,076	2,648	14.78	179
1989	11,578.19	7,674	9,109	8,258	15.07	548
1990	11,149.83	7,210	8,559	8,166	15.36	532
1991 1992	7,208.60 12,553.57	4,541 7,700	5,390 9,140	5,423	15.66 15.96	346 607
1992	26,576.34	15,857	18,823	9,690 21,042	16.26	1,294
1994	17,052.67	9,872	11,719	13,860	16.58	836
1995	20,362.96	11,437	13,576	16,968	16.89	1,005
1996	22,197.62	12,061	14,317	18,979	17.22	1,102
1997	20,725.19	10,881	12,916	18,172	17.55	1,035
1998	548,601.26	277,655	329,594	493,308	17.89	27,575
1999	21,148.50	10,304	12,232	19,491	18.23	1,069
2000	26,033.30	12,178	14,456	24,594	18.58	1,324
2001	6,935.34	3,109	3,691	6,712	18.93	355
2002	11,717.64	5,019	5,958	11,618	19.29	602

### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
2003	14,239.09	5,806	6,892	14,467	19.66	736
2004	6,303.83	2,438	2,894	6,562	20.04	327
2005	8,838.26	3,231	3,835	9,422	20.42	461
2006	2,888.69	992	1,178	3,155	20.82	152
2007	17,503.25	5,620	6,671	19,584	21.22	923
2008	13,696.74	4,079	4,842	15,703	21.64	726
2009	23,277.74	6,375	7,567	27,350	22.07	1,239
2010	34,194.12	8,492	10,081	41,210	22.53	1,829
2011	51,604.76	11,468	13,613	63,794	23.00	2,774
2012	64,508.01	12,543	14,889	81,873	23.50	3,484
2013	31,110.11	5,150	6,113	40,552	24.02	1,688
2014	54,833.67	7,372	8,751	73,500	24.58	2,990
2015	45,076.77	4,558	5,411	62,204	25.18	2,470
2016	38,306.82	2,468	2,930	54,530	25.84	2,110
2017	27,712.31	647	768	40,800	26.58	1,535
2	2,627,548.13	1,708,817	2,028,468	1,912,854		120,531

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 15.9 4.59



### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	45-R1				
NET SALV	AGE PERCENT	-30				
1946	4,083.52	4,603	5,309			
1947	120.47	135	157			
1948	1,722.14	1,908	2,239			
1949	28,469.17	31,277	37,010			
1950	326.96	356	423	2	7.31	
1951	990.40	1,069	1,269	19	7.65	2
1952 1953	3,605.55	3,854	4,575	112 315	8.00	14 38
1953	7,256.39 158,533.53	7,681 166,157	9,118 197,244	8,850	8.36 8.72	1,015
1955	10,204.57	10,586	12,567	699	9.09	77
1956	25,967.36	26,661	31,649	2,109	9.46	223
1957	45,588.00	46,305	54,968	4,296	9.84	437
1958	18,016.92	18,103	21,490	1,932	10.22	189
1959	29,922.91	29,728	35,290	3,610	10.61	340
1960	56,893.93	55,866	66,318	7,644	11.01	694
1961	29,876.44	28,991	34,415	4,424	11.41	388
1962	24,117.08	23,117	27,442	3,910	11.82	331
1963	77,831.56	73,660	87,441	13,740	12.24	1,123
1964	100,868.49	94,239	111,870	19,259	12.66	1,521
1965	126,253.29	116,386	138,161	25,968	13.09	1,984
1966	143,155.14	130,189	154,546	31,556	13.52	2,334
1967	125,591.02	112,619	133,689	29,579	13.96	2,119
1968	112,452.77	99,376	117,968	28,221	14.41	1,958
1969	147,438.60	128,335	152,345	39,325	14.87	2,645
1970	107,958.96	92,535	109,848	30,499	15.33	1,989
1971	79,922.21	67,396	80,005	23,894	15.81	1,511
1972 1973	132,301.21 180,389.35	109,768 147,113	130,305 174,637	41,687 59,869	16.28 16.77	2,561 3,570
1973	106,430.31	85,290	101,247	37,112	17.26	2,150
1975	136,441.24	107,331	127,412	49,962	17.77	2,812
1976	136,380.87	105,313	125,016	52,279	18.27	2,861
1977	141,576.56	107,198	127,254	56,796	18.79	3,023
1978	152,722.06	113,300	134,497	64,042	19.32	3,315
1979	204,084.68	148,279	176,021	89,289	19.85	4,498
1980	236,266.71	167,975	199,402	107,745	20.39	5,284
1981	526,949.58	366,418	434,972	250,062	20.93	11,948
1982	235,505.58	159,949	189,874	116,283	21.49	5,411
1983	296,942.55	196,873	233,706	152,319	22.05	6,908
1984	239,041.21	154,547	183,461	127,293	22.62	5,627
1985	214,378.57	135,010	160,269	118,423	23.20	5,104
1986	89,657.76	54,936	65,214	51,341	23.79	2,158

### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	45-R1				
NET SA	ALVAGE PERCENT	-30				
1987	144,250.07	85,928	102,004	85,521	24.38	3,508
1988	419,348.82	242,533	287,909	257,244	24.98	10,298
1989	180,491.91	101,207	120,142	114,497	25.59	4,474
1990	322,638.24	175,229	208,013	211,417	26.20	8,069
1991	476,508.58	250,262	297,084	322,377	26.82	12,020
1992	605,875.58	307,179	364,650	422,988	27.45	15,409
1993	594,724.90	290,531	344,887	428,255	28.09	15,246
1994	931,414.88	437,791	519,698	691,141	28.73	24,056
1995	721,292.72	325,685	386,618	551,063	29.37	18,763
1996	787,913.51	340,975	404,768	619,520	30.02	20,637
1997	985,677.63	407,761	484,050	797,331	30.68	25,989
1998	718,141.10	283,399	336,420	597,163	31.34	19,054
1999	644,283.42	241,965	287,235	550,333	32.00	17,198
2000	910,347.73	324,266	384,933	798,519	32.67	24,442
2001	751,706.63	252,992	300,325	676,894	33.35	20,297
2002	832,068.54	263,932	313,311	768,378	34.02	22,586
2003	766,969.02	228,217	270,914	726,146	34.70	20,926
2004	862,891.40	239,563	284,383	837,376	35.39	23,661
2005	1,140,746.45	294,281	349,339	1,133,631	36.07	31,429
2006	619,871.36	147,556	175,162	630,671	36.76	17,156
2007	1,403,939.68	305,817	363,033	1,462,089	37.46	39,031
2008	603,464.76	119,417	141,759	642,745	38.15	16,848
2009	401,235.29	71,168	84,483	437,123	38.86	11,249
2010	315,023.58	49,508	58,771	350,760	39.56	8,867
2011	519,408.41	70,974	84,253	590,978	40.27	14,675
2012	370,750.18	42,949	50,984	430,991	40.99	10,515
2013	405,845.44	38,573	45,790	481,809	41.71	11,551
2014	406,305.37	30,165	35,808	492,389	42.43	11,605
2015	476,378.08	25,323	30,061	589,231	43.16	13,652
2016	488,452.70	15,665	18,596	616,393	43.89	14,044
2017	413,905.85	4,423	5,250	532,828	44.63	11,939
	23,718,107.45	9,545,666	11,331,276	19,502,264		607,356
	25,710,107.45	J, J4J, 000	11,001,010	17,302,204		007,330

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 32.1 2.56



### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA LVAGE PERCENT					
1930	9,009.64	9,146	9,687	674	6.45	104
1948	834.28	753	798	161	11.83	14
1949	36,711.34	32,876	34,821	7,397	12.17	608
1950	60,958.60	54,132	57,335	12,767	12.53	1,019
1951	6,338.38	5,581	5,911	1,378	12.89	107
1952	1,612.93	1,408	1,491	364	13.26	27
1953	1,491.67	1,290	1,366	349	13.64	26
1954	702.00	601	637	170	14.03	12
1955	21,543.14	18,279	19,360	5,415	14.42	376
1956	655.80	551	584	170	14.83	11
1957	5,426.80 1,605.43	4,512	4,779	1,462 447	15.24	96 29
1958 1960	143,659.53	1,321 115,525	1,399 122,360	42,848	15.66 16.54	2,591
1961	546,260.94	434,143	459,828	168,372	16.99	9,910
1962	11,986.06	9,411	9,968	3,816	17.45	219
1963	1,430.09	1,109	1,175	470	17.92	26
1964	250.00	191	202	86	18.40	5
1965	4,320.00	3,263	3,456	1,512	18.88	80
1966	8,563.27	6,378	6,755	3,093	19.38	160
1968	2,316.67	1,676	1,775	889	20.41	44
1969	68,231.27	48,606	51,482	26,984	20.93	1,289
1971	21,004.39	14,484	15,341	8,814	22.02	400
1973	429,811.59	286,412	303,357	190,926	23.13	8,254
1974	200,575.94	131,268	139,034	91,628	23.70	3,866
1975	3,117.57	2,002	2,120	1,465	24.29	60
1977	99,697.38	61,558	65,200	49,452	25.47	1,942
1978	20,054.70	12,127	12,844	10,219	26.08	392
1979	603.00	357	378	315	26.69	12
1980	51,983.78	30,086	31,866	27,915	27.32	1,022
1981	89,179.00	50,439	53,423	49,133	27.95	1,758
1982	4,075.03	2,250	2,383	2,303	28.59	81
1983	125,754.31	67,761	71,770	72,847	29.23	2,492
1984	352,252.64	184,944	195,886	209,205	29.89	6,999
1985	321,239.31	164,228	173,944	195,481	30.55	6,399
1986 1987	21,594.37 122,772.82	10,742 59,325	11,378 62,835	13,456 78,354	31.21 31.89	431
1987	320,892.51	150,496	159,400	209,626	32.57	2,457 6,436
1989	448,210.52	203,739	215,793	299,649	33.26	9,009
1999	793,605.79	349,297	369,963	542,684	33.20	15,985
1991	3,823,870.60	1,627,057	1,723,320	2,674,131	34.65	77,175
1992	4,980,362.17	2,045,203	2,166,205	3,561,211	35.36	100,713
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### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

77 E 7 D	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	55-R1.5				
NET SA	ALVAGE PERCENT	-15				
1993	1,997,182.39	790,499	837,268	1,459,492	36.07	40,463
1994	19,045,136.85	7,251,503	7,680,529	14,221,378	36.79	386,556
1995	434,301.41	158,824	168,221	331,226	37.51	8,830
1996	604,877.49	211,973	224,514	471,095	38.24	12,319
1997	363,383.44	121,719	128,920	288,971	38.98	7,413
1998	10,795,747.98	3,451,401	3,655,599	8,759,511	39.71	220,587
1999	3,889,038.32	1,182,322	1,252,273	3,220,121	40.46	79,588
2000	984,569.09	283,890	300,686	831,568	41.21	20,179
2001	1,135,001.77	309,462	327,771	977,481	41.96	23,296
2002	619,406.78	159,039	168,448	543,870	42.72	12,731
2003	869,049.95	209,326	221,710	777,697	43.48	17,886
2004	1,574,191.00	354,171	375,125	1,435,195	44.24	32,441
2005	1,711,654.42	357,541	378,694	1,589,709	45.01	35,319
2006	2,829,100.37	544,793	577,025	2,676,440	45.79	58,450
2007	1,009,830.11	177,993	188,524	972,781	46.57	20,889
2008	4,600,694.55	735,897	779,435	4,511,364	47.35	95,277
2009	1,105,600.92	158,587	167,970	1,103,471	48.14	22,922
2010	3,038,177.22	385,587	408,400	3,085,504	48.93	63,060
2011	4,313,242.69	476,182	504,355	4,455,874	49.72	89,619
2012	1,239,874.00	116,136	123,007	1,302,848	50.52	25,789
2013	930,664.70	71,419	75,644	994,620	51.33	19,377
2014	2,219,564.57	132,730	140,583	2,411,916	52.14	46,258
2015	2,226,655.07	95,436	101,082	2,459,571	52.95	46,451
2016	2,646,797.52	68,060	72,087	2,971,730	53.77	55,267
2017	1,293,278.55	11,080	11,736	1,475,535	54.59	27,029
	84,641,586.42	24,020,097	25,441,215	71,896,610		1,730,632

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 41.5 2.04



### ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	13-S2				
	ALVAGE PERCENT					
1991	3,110.48	2,799	2,799			
1993	79,239.49	69,834	71,316			
1994	64,357.10	55,872	57,921			
1997	36,040.70	29,742	31,526	911	1.08	844
1998	89,718.99	72,548	76,899	3,848	1.32	2,915
1999	59,719.23	47,298	50,135	3,612	1.56	2,315
2000	115,972.42	89,763	95,147	9,228	1.82	5,070
2001	167,378.41	126,190	133,759	16,882	2.11	8,001
2002	405,460.79	297,267	315,097	49,818	2.41	20,671
2003	436,468.77	310,027	328,622	64,200	2.74	23,431
2004	399,066.14	273,514	289,919	69,241	3.10	22,336
2005	1,399,605.43	920,511	975,723	283,922	3.50	81,121
2006	961,024.75	602,782	638,937	225,985	3.94	57,357
2007	267,200.40	158,717	168,237	72,243	4.42	16,345
2008	328,677.17	182,946	193,919	101,890	4.96	20,542
2009	1,152,803.96	593,785	629,400	408,124	5.56	73,404
2010	548,891.12	257,642	273,095	220,907	6.22	35,516
2011	1,280,607.19	536,372	568,543	584,003	6.95	84,029
2012	70,861.44	25,756	27,301	36,474	7.75	4,706
2013	319,874.54	96,995	102,813	185,074	8.62	21,470
2014	570,039.20	136,149	144,315	368,720	9.55	38,609
2015	1,146,407.66	197,625	209,478	822,289	10.51	78,239
2016	151,173.36	15,698	16,640	119,416	11.50	10,384
2017	585,865.86	20,279	21,495	505,784	12.50	40,463
	10 630 E64 C0	E 100 111	E 422 026	4 150 570		647 760
	10,639,564.60	5,120,111	5,423,036	4,152,572		647,768

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.4 6.09



### ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	16-S2				
NET SA	ALVAGE PERCENT	+10				
1973	33,679.70	30,312	30,312			
1990	57,885.35	49,329	52,097			
1992	27,237.94	22,568	23,910	604	1.27	476
1993	74,579.52	60,829	64,447	2,675	1.50	1,783
1994	46,394.87	37,214	39,428	2,327	1.74	1,337
1995	106,706.99	84,091	89,093	6,943	1.99	3,489
1996	223,851.13	173,136	183,434	18,032	2.25	8,014
1997	497,858.01	377,223	399,661	48,411	2.53	19,135
1998	87,715.35	64,980	68,845	10,099	2.83	3,569
2000	124,218.17	87,411	92,610	19,186	3.49	5,497
2001	324,730.69	221,750	234,940	57,318	3.86	14,849
2002	1,312,071.23	866,459	917,997	262,867	4.26	61,706
2004	604,481.13	368,920	390,864	153,169	5.15	29,742
2005	1,838,613.04	1,069,383	1,132,991	521,761	5.66	92,184
2006	1,646,434.12	906,678	960,608	521,183	6.21	83,926
2007	267,683.93	138,377	146,608	94,308	6.81	13,848
2008	382,291.75	183,427	194,337	149,726	7.47	20,044
2009	204,614.55	90,005	95,359	88,794	8.18	10,855
2010	183,517.22	72,775	77,104	88,061	8.95	9,839
2011	1,400,412.23	490,763	519,954	740,417	9.77	75,785
2012	412,402.37	124,109	131,491	239,671	10.65	22,504
2013	786,897.44	196,089	207,752	500,456	11.57	43,255
2014	1,734,940.71	339,615	359,815	1,201,632	12.52	95,977
2015	730,968.26	102,378	108,468	549,403	13.51	40,666
2016	281,700.57	23,768	25,182	228,349	14.50	15,748
2017	910,696.79	25,613	27,136	792,491	15.50	51,128
	14,302,583.06	6,207,202	6,574,443	6,297,882		725,356

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 8.7 5.07



### ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	33-S1				
NET SALV	AGE PERCENT	+10				
1947	881.58	793	793			
1948	164.83	148	148			
1949	1,915.91	1,724	1,724			
1955	1,810.63	1,584	1,630	_		_
1959	1,004.08	848	898	6	2.03	3
1962	5,232.19	4,298	4,553	156	2.88	54
1963	6,253.62	5,086	5,388	240	3.18	75
1964	1,114.64	898	951	52	3.47	15
1965 1966	2,612.50 9,979.90	2,083 7,874	2,207 8,341	144 641	3.77 4.07	38 157
1967	4,380.00	3,419	3,622	320	4.07	73
1968	1,905.75	1,471	1,558	157	4.69	33
1969	1,910.00	1,459	1,546	173	5.00	35
1971	11,608.00	8,662	9,176	1,271	5.64	225
1973	2,977.00	2,167	2,296	383	6.31	61
1974	3,244.78	2,333	2,471	449	6.64	68
1975	7,611.12	5,399	5,719	1,131	6.99	162
1976	3,525.00	2,467	2,613	560	7.34	76
1978	6,902.64	4,695	4,974	1,238	8.06	154
1979	1,199.37	804	852	227	8.43	27
1980	11,895.00	7,851	8,317	2,388	8.80	271
1983	33,387.42	20,961	22,205	7,844	9.98	786
1984	16,425.48	10,129	10,730	4,053	10.39	390
1988	913.10	520	551	271	12.11	22
1989	11,617.57	6,473	6,857	3,599	12.57	286
1990	20,449.88	11,132	11,793	6,612	13.04	507
1991	42,557.27	22,609	23,951	14,351	13.52	1,061
1992	146,448.32	75,846	80,347	51,456	14.01	3,673
1993	33,193.66	16,730	17,723	12,151	14.52	837
1994 1995	227,346.08 253,961.95	111,358 120,655	117,966 127,815	86,645 100,751	15.04 15.58	5,761 6,467
1995	132,778.44	61,090	64,715	54,786	16.13	3,397
1997	248,904.95	110,717	117,287	106,727	16.69	6,395
1998	140,296.88	60,149	63,718	62,549	17.28	3,620
1999	44,023.82	18,154	19,231	20,390	17.88	1,140
2002	56,533.60	20,352	21,560	29,320	19.80	1,481
2003	21,310.42	7,276	7,708	11,471	20.48	560
2004	52,163.13	16,801	17,798	29,149	21.19	1,376
2005	23,367.55	7,068	7,487	13,544	21.91	618
2006	599,444.96	169,042	179,073	360,427	22.66	15,906
2007	251,419.72	65,553	69,443	156,835	23.44	6,691



### ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	OR CURVE IOWA	33-S1				
NET SAI	LVAGE PERCENT	+10				
2000	26 644 56	0 755	0 075	22 705	24 24	978
2008	36,644.56	8,755	9,275	23,705	24.24	
2009	28,102.81	6,086	6,447	18,846	25.06	752
2010	132,422.92	25,606	27,125	92,056	25.91	3,553
2011	644,702.11	109,188	115,667	464,565	26.79	17,341
2013	26,813.46	3,210	3,401	20,731	28.61	725
2015	109,593.10	7,412	7,852	90,782	30.52	2,975
2016	11,637.06	473	501	9,972	31.51	316
2017	111,388.71	1,519	1,609	98,641	32.50	3,035
	3,545,977.47	1,160,927	1,229,612	1,961,768		92,176

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 21.3 2.60



### ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
2000 2001	77,089.90 176,397.92	67,230 151,614	69,381 158,758			
2002	523,602.66	442,497	469,079	2,163	0.61	2,163
2004	109,020.46	88,503	93,820	4,298	0.98	4,298
2005	176,603.47	139,711	148,104	10,839	1.21	8,958
2007	199,478.11	147,394	156,248	23,282	1.79	13,007
2008	111,496.90	78,472	83,186	17,161	2.18	7,872
2009	562,450.19	372,567	394,948	111,257	2.64	42,143
2011	3,921,933.32	2,160,201	2,289,971	1,239,769	3.88	319,528
2013	83,760.21	33,471	35,482	39,902	5.56	7,177
2014	432,056.64	135,709	143,861	244,990	6.51	37,633
2015	618,773.46	139,224	147,588	409,308	7.50	54,574
2016	913,758.42	123,357	130,767	691,616	8.50	81,367
2017	3,476,814.01	156,457	165,856	2,963,277	9.50	311,924
	11,383,235.67	4,236,407	4,487,049	5,757,863		890,644

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.5 7.82



### ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	16-L1				
NET S	ALVAGE PERCENT	+15				
1973	49,212.50	38,824	41,121	710	1.15	617
1979	23,081.01	16,946	17,949	1,670	2.18	766
1981	31,606.16	22,583	23,919	2,946	2.55	1,155
1988	93,242.95	59,591	63,117	16,140	3.97	4,065
1990	70,879.83	43,642	46,224	14,024	4.41	3,180
1991	575,477.40	346,997	367,527	121,629	4.65	26,157
1992	134,184.86	79,270	83,960	30,097	4.88	6,167
1993	482,902.13	278,863	295,362	115,105	5.13	22,438
1994	1,065,607.84	601,203	636,772	268,995	5.38	49,999
1995	227,125.16	125,124	132,527	60,529	5.63	10,751
1996	377,951.70	202,795	214,793	106,466	5.90	18,045
1997	887,993.95	463,731	491,167	263,628	6.17	42,727
1998	585,717.92	297,163	314,744	183,116	6.45	28,390
1999	67,108.50	33,049	35,004	22,038	6.73	3,275
2000	407,017.92	193,955	205,430	140,535	7.03	19,991
2001	172,790.12	79,494	84,197	62,675	7.34	8,539
2002	1,655,227.70	734,256	777,697	629,247	7.65	82,255
2003	72,937.26	31,076	32,915	29,082	7.98	3,644
2004	592,953.46	242,237	256,569	247,441	8.31	29,776
2005	2,270,645.46	885,410	937,794	992,255	8.66	114,579
2006	2,942,074.91	1,090,958	1,155,503	1,345,261	9.02	149,142
2007	3,188,550.51	1,119,666	1,185,909	1,524,359	9.39	162,339
2008	1,013,303.49	334,833	354,643	506,665	9.78	51,806
2009	561,827.90	173,710	183,987	293,567	10.18	28,838
2010	3,595,261.69	1,027,571	1,088,366	1,967,606	10.62	185,274
2011	2,813,043.65	729,282	772,429	1,618,658	11.12	145,563
2012	268,508.62	61,764	65,418	162,814	11.67	13,951
2013	411,421.29	80,870	85,655	264,053	12.30	21,468
2014	1,606,217.36	255,144	270,239	1,095,046	13.01	84,170
2015	1,762,467.52	206,917	219,159	1,278,938	13.79	92,744
2017	334,851.26	8,362	8,857	275,767	15.53	17,757
	28,341,192.03	9,865,286	10,448,953	13,641,060		1,429,568

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 9.5 5.04



### **WASHINGTON PROPERTY**



### ACCOUNT 360.2 LAND RIGHTS

SURVIVOR CURVE IOWA 55-R3 NET SALVAGE PERCENT 0  1959	YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
1959							
1960         1,484.22         1,215         1,374         110         9.98         11           1961         3,045.42         2,469         2,792         253         10.41         24           1962         2,862.93         2,298         2,599         264         10.86         24           1963         5,628.28         4,469         5,054         574         11.33         51           1964         2,577.71         2,024         2,289         289         11.82         24           1965         4,142.36         3,214         3,635         507         12.33         41           1966         3,012.36         2,309         2,611         401         12.85         31           1967         2,925.26         2,213         2,503         422         13.39         32           1968         2,793.09         2,085         2,358         435         13.94         31           1969         4,347.96         3,201         3,620         728         14.51         50           1970         2,727.44         1,979         2,238         489         15.10         32           1971         6,412.39         4,581         5,180<	TILL SILLY.	TERCEIVI					
1960         1,484.22         1,215         1,374         110         9.98         11           1961         3,045.42         2,469         2,792         253         10.41         24           1962         2,862.93         2,298         2,599         264         10.86         24           1963         5,628.28         4,469         5,054         574         11.33         51           1964         2,577.71         2,024         2,289         289         11.82         24           1965         4,142.36         3,214         3,635         507         12.33         41           1966         3,012.36         2,309         2,611         401         12.85         31           1967         2,925.26         2,213         2,503         422         13.39         32           1968         2,793.09         2,085         2,358         435         13.94         31           1969         4,347.96         3,201         3,620         728         14.51         50           1970         2,727.44         1,979         2,238         489         15.10         32           1971         6,412.39         4,581         5,180<	1959	1,728.27	1,428	1,615	113	9.56	12
1962         2,862.93         2,298         2,599         264         10.86         24           1963         5,628.28         4,469         5,054         574         11.33         51           1964         2,577.71         2,024         2,289         289         11.82         24           1965         4,142.36         3,214         3,635         507         12.33         41           1966         3,012.36         2,309         2,611         401         12.85         31           1967         2,925.26         2,213         2,503         422         13.39         32           1968         2,793.09         2,085         2,358         435         13.94         31           1969         4,347.96         3,201         3,620         728         14.51         50           1970         2,727.44         1,979         2,238         489         15.10         32           1971         6,412.39         4,581         5,180         1,232         15.71         78           1972         5,973.45         4,201         4,751         1,222         16.32         75           1973         11,506.95         7,959		1,484.22	1,215	1,374	110	9.98	11
1963         5,628.28         4,469         5,054         574         11.33         51           1964         2,577.71         2,024         2,289         289         11.82         24           1965         4,142.36         3,214         3,635         507         12.33         41           1966         3,012.36         2,309         2,611         401         12.85         31           1967         2,925.26         2,213         2,503         422         13.39         32           1968         2,793.09         2,085         2,358         435         13.94         31           1969         4,347.96         3,201         3,620         728         14.51         50           1970         2,727.44         1,979         2,238         489         15.10         32           1971         6,412.39         4,581         5,180         1,232         15.71         78           1972         5,973.45         4,201         4,751         1,222         16.32         75           1973         11,506.95         7,959         9,001         2,506         16.96         148           1974         14,775.71         10,045	1961	3,045.42	2,469	2,792	253	10.41	24
1964         2,577.71         2,024         2,289         289         11.82         24           1965         4,142.36         3,214         3,635         507         12.33         41           1966         3,012.36         2,309         2,611         401         12.85         31           1967         2,925.26         2,213         2,503         422         13.39         32           1968         2,793.09         2,085         2,358         435         13.94         31           1969         4,347.96         3,201         3,620         728         14.51         50           1970         2,727.44         1,979         2,238         489         15.10         32           1971         6,412.39         4,581         5,180         1,232         15.71         78           1972         5,973.45         4,201         4,751         1,222         16.32         75           1973         11,506.95         7,959         9,001         2,506         16.96         148           1974         14,775.71         10,045         11,359         3,417         17.61         194           1975         15,085.53         10,074	1962	2,862.93	2,298	2,599	264	10.86	24
1965       4,142.36       3,214       3,635       507       12.33       41         1966       3,012.36       2,309       2,611       401       12.85       31         1967       2,925.26       2,213       2,503       422       13.39       32         1968       2,793.09       2,085       2,358       435       13.94       31         1969       4,347.96       3,201       3,620       728       14.51       50         1970       2,727.44       1,979       2,238       489       15.10       32         1971       6,412.39       4,581       5,180       1,232       15.71       78         1972       5,973.45       4,201       4,751       1,222       16.32       75         1973       11,506.95       7,959       9,001       2,506       16.96       148         1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1978       1,049.62 <td< td=""><td>1963</td><td>5,628.28</td><td>4,469</td><td></td><td></td><td>11.33</td><td>51</td></td<>	1963	5,628.28	4,469			11.33	51
1966       3,012.36       2,309       2,611       401       12.85       31         1967       2,925.26       2,213       2,503       422       13.39       32         1968       2,793.09       2,085       2,358       435       13.94       31         1969       4,347.96       3,201       3,620       728       14.51       50         1970       2,727.44       1,979       2,238       489       15.10       32         1971       6,412.39       4,581       5,180       1,232       15.71       78         1972       5,973.45       4,201       4,751       1,222       16.32       75         1973       11,506.95       7,959       9,001       2,506       16.96       148         1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62 <td< td=""><td></td><td>2,577.71</td><td></td><td></td><td></td><td>11.82</td><td>24</td></td<>		2,577.71				11.82	24
1967       2,925.26       2,213       2,503       422       13.39       32         1968       2,793.09       2,085       2,358       435       13.94       31         1969       4,347.96       3,201       3,620       728       14.51       50         1970       2,727.44       1,979       2,238       489       15.10       32         1971       6,412.39       4,581       5,180       1,232       15.71       78         1972       5,973.45       4,201       4,751       1,222       16.32       75         1973       11,506.95       7,959       9,001       2,506       16.96       148         1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       <	1965	4,142.36			507	12.33	41
1968       2,793.09       2,085       2,358       435       13.94       31         1969       4,347.96       3,201       3,620       728       14.51       50         1970       2,727.44       1,979       2,238       489       15.10       32         1971       6,412.39       4,581       5,180       1,232       15.71       78         1972       5,973.45       4,201       4,751       1,222       16.32       75         1973       11,506.95       7,959       9,001       2,506       16.96       148         1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4	1966	•					
1969       4,347.96       3,201       3,620       728       14.51       50         1970       2,727.44       1,979       2,238       489       15.10       32         1971       6,412.39       4,581       5,180       1,232       15.71       78         1972       5,973.45       4,201       4,751       1,222       16.32       75         1973       11,506.95       7,959       9,001       2,506       16.96       148         1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97 <t< td=""><td></td><td>•</td><td></td><td>· ·</td><td></td><td></td><td></td></t<>		•		· ·			
1970       2,727.44       1,979       2,238       489       15.10       32         1971       6,412.39       4,581       5,180       1,232       15.71       78         1972       5,973.45       4,201       4,751       1,222       16.32       75         1973       11,506.95       7,959       9,001       2,506       16.96       148         1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97       2,783       3,147       1,674       23.25       72         1983       2,673.49		•					
1971       6,412.39       4,581       5,180       1,232       15.71       78         1972       5,973.45       4,201       4,751       1,222       16.32       75         1973       11,506.95       7,959       9,001       2,506       16.96       148         1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97       2,783       3,147       1,674       23.25       72         1983       2,673.49       1,506       1,703       970       24.01       40         1986       79,818.40							
1972       5,973.45       4,201       4,751       1,222       16.32       75         1973       11,506.95       7,959       9,001       2,506       16.96       148         1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97       2,783       3,147       1,674       23.25       72         1983       2,673.49       1,506       1,703       970       24.01       40         1986       79,818.40       41,593       47,036       32,782       26.34       1,245         1995       4,658.14							
1973       11,506.95       7,959       9,001       2,506       16.96       148         1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97       2,783       3,147       1,674       23.25       72         1983       2,673.49       1,506       1,703       970       24.01       40         1986       79,818.40       41,593       47,036       32,782       26.34       1,245         1989       3,493.74       1,667       1,885       1,609       28.76       56         1991       1,356.39		•		·			
1974       14,775.71       10,045       11,359       3,417       17.61       194         1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97       2,783       3,147       1,674       23.25       72         1983       2,673.49       1,506       1,703       970       24.01       40         1986       79,818.40       41,593       47,036       32,782       26.34       1,245         1989       3,493.74       1,667       1,885       1,609       28.76       56         1991       1,356.39       606       685       671       30.42       22         1995       4,658.14       <							
1975       15,085.53       10,074       11,392       3,694       18.27       202         1976       1,131.84       742       839       293       18.94       15         1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97       2,783       3,147       1,674       23.25       72         1983       2,673.49       1,506       1,703       970       24.01       40         1986       79,818.40       41,593       47,036       32,782       26.34       1,245         1989       3,493.74       1,667       1,885       1,609       28.76       56         1991       1,356.39       606       685       671       30.42       22         1995       4,658.14       1,792       2,027       2,631       33.84       78         1996       2,496.86       9							
1976       1,131.84       742       839       293       18.94       15         1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97       2,783       3,147       1,674       23.25       72         1983       2,673.49       1,506       1,703       970       24.01       40         1986       79,818.40       41,593       47,036       32,782       26.34       1,245         1989       3,493.74       1,667       1,885       1,609       28.76       56         1991       1,356.39       606       685       671       30.42       22         1995       4,658.14       1,792       2,027       2,631       33.84       78         1996       2,496.86       921       1,042       1,455       34.72       42         1997       4,832.71       1,705 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1978       1,049.62       662       749       301       20.33       15         1979       3,049.80       1,883       2,129       921       21.04       44         1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97       2,783       3,147       1,674       23.25       72         1983       2,673.49       1,506       1,703       970       24.01       40         1986       79,818.40       41,593       47,036       32,782       26.34       1,245         1989       3,493.74       1,667       1,885       1,609       28.76       56         1991       1,356.39       606       685       671       30.42       22         1995       4,658.14       1,792       2,027       2,631       33.84       78         1996       2,496.86       921       1,042       1,455       34.72       42         1997       4,832.71       1,705       1,928       2,905       35.60       82							
1979     3,049.80     1,883     2,129     921     21.04     44       1980     6,191.62     3,741     4,231     1,961     21.77     90       1981     8,292.54     4,900     5,541     2,752     22.50     122       1982     4,820.97     2,783     3,147     1,674     23.25     72       1983     2,673.49     1,506     1,703     970     24.01     40       1986     79,818.40     41,593     47,036     32,782     26.34     1,245       1989     3,493.74     1,667     1,885     1,609     28.76     56       1991     1,356.39     606     685     671     30.42     22       1995     4,658.14     1,792     2,027     2,631     33.84     78       1996     2,496.86     921     1,042     1,455     34.72     42       1997     4,832.71     1,705     1,928     2,905     35.60     82							
1980       6,191.62       3,741       4,231       1,961       21.77       90         1981       8,292.54       4,900       5,541       2,752       22.50       122         1982       4,820.97       2,783       3,147       1,674       23.25       72         1983       2,673.49       1,506       1,703       970       24.01       40         1986       79,818.40       41,593       47,036       32,782       26.34       1,245         1989       3,493.74       1,667       1,885       1,609       28.76       56         1991       1,356.39       606       685       671       30.42       22         1995       4,658.14       1,792       2,027       2,631       33.84       78         1996       2,496.86       921       1,042       1,455       34.72       42         1997       4,832.71       1,705       1,928       2,905       35.60       82							
1981     8,292.54     4,900     5,541     2,752     22.50     122       1982     4,820.97     2,783     3,147     1,674     23.25     72       1983     2,673.49     1,506     1,703     970     24.01     40       1986     79,818.40     41,593     47,036     32,782     26.34     1,245       1989     3,493.74     1,667     1,885     1,609     28.76     56       1991     1,356.39     606     685     671     30.42     22       1995     4,658.14     1,792     2,027     2,631     33.84     78       1996     2,496.86     921     1,042     1,455     34.72     42       1997     4,832.71     1,705     1,928     2,905     35.60     82		•					
1982     4,820.97     2,783     3,147     1,674     23.25     72       1983     2,673.49     1,506     1,703     970     24.01     40       1986     79,818.40     41,593     47,036     32,782     26.34     1,245       1989     3,493.74     1,667     1,885     1,609     28.76     56       1991     1,356.39     606     685     671     30.42     22       1995     4,658.14     1,792     2,027     2,631     33.84     78       1996     2,496.86     921     1,042     1,455     34.72     42       1997     4,832.71     1,705     1,928     2,905     35.60     82		•		· ·	•		
1983     2,673.49     1,506     1,703     970     24.01     40       1986     79,818.40     41,593     47,036     32,782     26.34     1,245       1989     3,493.74     1,667     1,885     1,609     28.76     56       1991     1,356.39     606     685     671     30.42     22       1995     4,658.14     1,792     2,027     2,631     33.84     78       1996     2,496.86     921     1,042     1,455     34.72     42       1997     4,832.71     1,705     1,928     2,905     35.60     82		•					
1986     79,818.40     41,593     47,036     32,782     26.34     1,245       1989     3,493.74     1,667     1,885     1,609     28.76     56       1991     1,356.39     606     685     671     30.42     22       1995     4,658.14     1,792     2,027     2,631     33.84     78       1996     2,496.86     921     1,042     1,455     34.72     42       1997     4,832.71     1,705     1,928     2,905     35.60     82		•					
1989     3,493.74     1,667     1,885     1,609     28.76     56       1991     1,356.39     606     685     671     30.42     22       1995     4,658.14     1,792     2,027     2,631     33.84     78       1996     2,496.86     921     1,042     1,455     34.72     42       1997     4,832.71     1,705     1,928     2,905     35.60     82		•	•				
1991     1,356.39     606     685     671     30.42     22       1995     4,658.14     1,792     2,027     2,631     33.84     78       1996     2,496.86     921     1,042     1,455     34.72     42       1997     4,832.71     1,705     1,928     2,905     35.60     82		•			,		
1995     4,658.14     1,792     2,027     2,631     33.84     78       1996     2,496.86     921     1,042     1,455     34.72     42       1997     4,832.71     1,705     1,928     2,905     35.60     82		•	-	·			
1996       2,496.86       921       1,042       1,455       34.72       42         1997       4,832.71       1,705       1,928       2,905       35.60       82							
1997 4,832.71 1,705 1,928 2,905 35.60 82		•					
1999 8,779.98 2,811 3,179 5,601 37.39 150		•					
2008 11,653.55 1,956 2,212 9,442 45.77 206							
2009 6,627.34 998 1,129 5,498 46.72 118					•		
2010 654.30 87 98 556 47.69 12					•		
2011 2,399.85 277 313 2,087 48.65 43							
2012 7,637.13 747 845 6,792 49.62 137					•		
2013 23,058.86 1,849 2,091 20,968 50.59 414					,		



### ACCOUNT 360.2 LAND RIGHTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA VAGE PERCENT	55-R3 0				
2014 2015 2016	129,827.53 2,035.62 46,869.58	8,096 91 1,261	9,155 103 1,426	120,673 1,933 45,444	51.57 52.54 53.52	2,340 37 849
	458,247.34	149,720	169,314	288,933		7,354

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 39.3 1.60



### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	60-R2				
NET SALV	AGE PERCENT	-5				
1913	120.17	122	126			
1927	2,221.91	2,109	2,333			
1929	2,207.24	2,073	2,318			
1931	233.14	217	245			
1941	26.39	23	26	2	10.01	
1947	1,521.87	1,275	1,442	156	12.14	13
1948	1,098.61	913	1,033	121	12.52	10
1950	2,142.22	1,750	1,979	270	13.31	20
1951	3,025.68	2,451	2,772	405	13.71	30
1952	6,462.86	5,188	5,867	919	14.13	65
1953	10,143.46	8,066	9,122	1,529	14.56	105
1954	10,142.37	7,989	9,035	1,614	14.99	108
1955	1,999.88	1,560	1,764	336	15.44	22
1956	20,947.63	16,166	18,283	3,712	15.90	233
1957	3,298.56	2,519	2,849	614	16.36	38
1958	17,998.15	13,594	15,374	3,524	16.84	209
1959	10,723.10	8,009	9,058	2,201	17.32	127
1960	5,384.39	3,974	4,494	1,160	17.82	65
1961	4,312.98	3,146	3,558	971	18.32	53
1962	7,275.25	5,240	5,926	1,713	18.84	91
1963	7,250.32	5,156	5,831	1,782	19.36	92
1964	16,253.00	11,405	12,899	4,167	19.90	209
1966	3,001.80	2,049	2,317	835	21.00	40
1968	16,653.75	11,034	12,479	5,007	22.14	226
1969	11,376.09	7,422	8,394	3,551	22.72	156
1972	6,624.05	4,112	4,651	2,304	24.53	94
1974	27.85	17	19	10 69	25.78	2
1975 1976	179.55 12,116.88	106	120		26.41	170
1976	5,458.43	6,985 3,084	7,900 3,488	4,823 2,243	27.06 27.71	178 81
1977	25,293.83	13,996	15,829	10,730	28.38	378
1978	71,459.79	37,854	42,811	32,222	29.73	1,084
1981	8,724.50	4,516	5,107	4,054	30.42	133
1982	1,719.35	869	983	822		26
1983	5,324.55	2,627	2,971	2,620	31.11 31.81	82
1984	1,063.04	511	578	538	32.52	17
1985	6,561.76	3,073	3,475	3,415	33.24	103
1986	131,983.61	60,121	67,995	70,588	33.24	2,078
1987	13,588.09	6,016	6,804	7,463	34.70	2,078
1988	28,368.90	12,193	13,790	15,997	35.44	451
1989	57,865.07	24,111	27,269	33,489	36.19	925
100	31,003.01	77,111	21,209	33,409	30.19	723

### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	60-R2				
NET SA	LVAGE PERCENT	-5				
1990	78,508.57	31,682	35,831	46,603	36.94	1,262
1992	379,999.09	143,173	161,923	237,076	38.47	6,163
1993	9,455.98	3,434	3,884	6,045	39.25	154
1994	256,725.90	89,718	101,468	168,094	40.03	4,199
1995	42,176.47	14,164	16,019	28,266	40.81	693
1996	561,484.76	180,700	204,365	385,194	41.61	9,257
1997	15,578.45	4,795	5,423	10,934	42.41	258
1998	58,874.03	17,298	19,563	42,255	43.21	978
2001	4,024.22	1,009	1,141	3,084	45.67	68
2002	23,321.55	5,514	6,236	18,252	46.49	393
2003	139,034.90	30,828	34,865	111,122	47.33	2,348
2004	6,945.90	1,438	1,626	5,667	48.17	118
2005	38,854.00	7,473	8,452	32,345	49.01	660
2007	8,747.12	1,421	1,607	7,577	50.72	149
2008	1,142.02	168	190	1,009	51.58	20
2009	1,704.75	225	254	1,536	52.45	29
2010	1,191.30	139	157	1,094	53.32	21
2011	156,242.21	15,859	17,936	146,118	54.20	2,696
2012	102,220.06	8,801	9,954	97,377	55.08	1,768
2013	20,000.67	1,414	1,599	19,402	55.96	347
2014	1,406,118.87	77,512	87,664	1,388,761	56.85	24,429
2015	820,405.90	32,303	36,534	824,892	57.75	14,284
2016	158,156.03	3,765	4,258	161,806	58.64	2,759
2017	28,978.51	228	258	30,169	59.55	507
	4,862,071.33	976,702	1,104,521	4,000,654		81,320

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 49.2 1.67



### ACCOUNT 362 STATION EQUIPMENT

VII A D	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	54-R1				
NET SAL	LVAGE PERCENT	-25				
1930	57.58	63	71	1	6.64	
1945	160.87	157	178	23	11.84	2
1946	9,114.00	8,812	9,965	1,428	12.23	117
1947	11,576.07	11,088	12,539	1,931	12.62	153
1948	18,805.02	17,843	20,178	3,328	13.01	256
1949 1950	50,622.52 26,375.78	47,564 24,538	53,789 27,749	9,489 5,221	13.41 13.81	708 378
1950	197,730.26	182,077	205,905	41,258	14.22	2,901
1951	110,779.52	100,933	114,142	24,332	14.22	1,662
1953	443,432.18	399,704	452,012	102,278	15.06	6,791
1954	307,364.37	273,996	309,853	74,352	15.49	4,800
1955	80,430.01	70,898	80,176	20,362	15.92	1,279
1956	291,334.83	253,840	287,059	77,110	16.36	4,713
1957	305,449.27	263,026	297,448	84,364	16.80	5,022
1958	111,191.48	94,591	106,970	32,019	17.25	1,856
1959	34,207.82	28,736	32,497	10,263	17.71	580
1960	205,198.48	170,192	192,465	64,033	18.17	3,524
1961	122,895.22	100,591	113,755	39,864	18.64	2,139
1962	241,486.37	195,033	220,557	81,301	19.11	4,254
1963	198,421.29	158,048	178,731	69,296	19.59	3,537
1964	124,842.34	98,025	110,853	45,200	20.08	2,251
1965	51,454.99	39,818	45,029	19,290	20.57	938
1966	205,259.36	156,462	176,938	79,636	21.07	3,780
1967	301,031.85	225,985	255,559	120,731	21.57	5,597
1968	155,274.84	114,731	129,746	64,348	22.08	2,914
1969	197,963.66	143,890	162,721	84,734	22.60	3,749
1970	57,560.36	41,132	46,515	25,435	23.13	1,100
1971	4,164.44	2,925	3,308	1,898	23.66	80
1972	243,395.18	167,955	189,935	114,309	24.19	4,725
1973	150,800.92	102,139	115,506	72,995	24.74	2,950
1974	151,125.38	100,436	113,580	75,327	25.29	2,979
1975	90,868.85 529,766.60	59,233	66,985	46,601	25.84	1,803
1976 1977	322,930.75	338,342 201,981	382,620	279,588 175,249	26.41 26.98	10,586 6,496
1978	604,993.61	370,415	228,414 418,890	337,352	27.55	12,245
1979	237,603.84	142,286	160,907	136,098	28.13	4,838
1980	1,805,415.82	1,056,507	1,194,770	1,062,000	28.72	36,978
1981	402,198.68	229,776	259,846	242,902	29.32	8,285
1982	1,178,531.93	656,928	742,899	730,266	29.92	24,407
1983	162,555.98	88,351	99,913	103,282	30.52	3,384
1984	16,773.10	8,876	10,038	10,928	31.14	351
	.,	-,	-,3	==,==0		



### ACCOUNT 362 STATION EQUIPMENT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	54-R1				
	ALVAGE PERCENT					
1.22 01						
1985	257,182.22	132,462	149,797	171,681	31.75	5,407
1986	775,120.10	387,919	438,685	530,215	32.38	16,375
1987	78,390.27	38,088	43,072	54,916	33.01	1,664
1988	154,081.97	72,619	82,122	110,480	33.64	3,284
1989	527,806.46	240,937	272,468	387,290	34.28	11,298
1990	2,112,723.88	933,111	1,055,225	1,585,680	34.92	45,409
1991	3,838,033.55	1,637,401	1,851,684	2,945,858	35.57	82,819
1992	3,534,994.84	1,454,916	1,645,318	2,773,426	36.22	76,572
1993	1,279,612.19	507,110	573,474	1,026,041	36.88	27,821
1994	2,563,005.08	976,537	1,104,334	2,099,422	37.54	55,925
1995	1,381,160.06	505,142	571,249	1,155,201	38.20	30,241
1996	3,448,571.89	1,207,819	1,365,883	2,944,832	38.87	75,761
1997	2,074,221.95	694,294	785,155	1,807,622	39.54	45,716
1998	2,142,118.83	683,309	772,732	1,904,917	40.22	47,362
1999	412,915.66	125,310	141,709	374,436	40.89	9,157
2000	454,736.67	130,845	147,968	420,453	41.57	10,114
2001	612,194.47	166,371	188,144	577,099	42.26	13,656
2002	644,983.39	165,124	186,733	619,496	42.94	14,427
2003	1,327,177.11	318,589	360,282	1,298,689	43.63	29,766
2004	796,225.07	178,414	201,763	793,518	44.32	17,904
2005	1,127,886.24	234,459	265,142	1,144,716	45.02	25,427
2006	786,933.61	150,826	170,564	813,103	45.72	17,784
2007	445,010.30	78,083	88,302	467,961	46.42	10,081
2008	3,065,149.88	488,163	552,048	3,279,389	47.12	69,597
2009	350,493.96	50,059	56,610	381,507	47.83	7,976
2010	1,104,462.90	139,590	157,858	1,222,721	48.54	25,190
2011	612,261.77	67,180	75,972	689,355	49.26	13,994
2012	1,212,259.60	113,089	127,889	1,387,436	49.97	27,765
2013	1,537,245.32	117,426	132,793	1,788,764	50.70	35,281
2014	8,994,294.90	537,184	607,484	10,635,385	51.42	206,834
2015	8,408,256.03	360,084	407,207	10,103,113	52.15	193,732
2016	4,261,981.04	109,533	123,867	5,203,609	52.89	98,385
2017	2,371,879.34	20,309	22,967	2,941,882	53.63	54,855
	72,454,515.97	19,770,225	22,357,511	68,210,634		1,592,687

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.8 2.20



### ACCOUNT 364 POLES, TOWERS AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIIBVIV	OR CURVE IOWA	55-P1 5				
	LVAGE PERCENT					
1954	1,073,828.71	1,599,811	1,809,175	338,482	14.03	24,126
1955	147,043.65	216,983	245,379	48,708	14.42	3,378
1956	154,393.71	225,526	255,040	53,747	14.83	3,624
1957	137,706.65	199,099	225,155	50,258	15.24	3,298
1958	107,291.02	153,484	173,570	41,012	15.66	2,619
1959	116,985.46	165,481	187,137	46,834	16.10	2,909
1960	155,876.05	217,999	246,528	65,224	16.54	3,943
1961	172,747.07	238,768	270,015	75,479	16.99	4,443
1962	165,083.31	225,415	254,915	75,252	17.45	4,312
1963 1964	241,393.30 241,187.47	325,485 320,996	368,080 363,004	114,707 119,371	17.92 18.40	6,401 6,488
1964	235,579.45	309,424	349,918	121,241	18.88	6,422
1966	274,704.02	355,819	402,384	147,024	19.38	7,586
1967	257,970.92	329,357	372,459	143,483	19.89	7,380
1968	298,055.86	374,901	423,963	172,149	20.41	8,435
1969	303,376.50	375,853	425,040	181,713	20.93	8,682
1970	366,836.52	447,276	505,810	227,863	21.47	10,613
1971	364,130.89	436,695	493,844	234,418	22.02	10,646
1972	344,704.14	406,503	459,701	229,707	22.57	10,178
1973	459,409.42	532,410	602,085	316,734	23.13	13,694
1974	447,115.87	508,898	575,496	318,736	23.70	13,449
1975	386,059.01	431,120	487,540	284,578	24.29	11,716
1976	487,700.85	534,169	604,075	371,327	24.88	14,925
1977	621,080.30	666,928	754,207	487,954	25.47	19,158
1978	735,024.60	772,981	874,139	595,910	26.08	22,849
1979	808,002.24	831,806	940,663	675,341	26.69	25,303
1980	1,156,514.47	1,164,078	1,316,418	996,611	27.32	36,479
1981	877,806.97	863,446	976,443	779,171	27.95	27,877
1982	1,084,710.54	1,041,713	1,178,040	991,381	28.59	34,676
1983	809,673.68	758,745	858,040	761,307	29.23	26,045
1984	948,599.28	866,166	979,519	917,680	29.89	30,702
1985	1,017,181.26	904,376	1,022,730	1,011,633	30.55	33,114
1986	881,555.99	762,634	862,438	900,674	31.21	28,859
1987	1,223,494.12	1,028,176	1,162,731	1,284,257	31.89	40,271
1988	1,134,239.17	925,131	1,046,201	1,222,277	32.57	37,528
1989	1,148,714.28	908,105	1,026,947	1,270,482	33.26	38,198
1990	634,668.10	485,813	549,390	719,946	33.95	21,206
1991	2,595,531.94	1,920,694	2,172,051 1,957,667	3,019,013	34.65	87,129 81 736
1992 1993	2,423,924.65 4,002,408.29	1,731,119 2,755,098	3,115,652	2,890,182 4,889,165	35.36 36.07	81,736 135,547
1993	4,397,673.20	2,755,098	3,113,632	5,502,201	36.79	149,557
エクフセ	7,391,013.40	4,914,UDI	3,433,143	J,JUZ,ZUI	30.13	1 <del>1</del> 7,33/

### ACCOUNT 364 POLES, TOWERS AND FIXTURES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	55-R1.5				
NET S	ALVAGE PERCENT	-100				
1995	4,941,248.99	3,142,634	3,553,904	6,328,594	37.51	168,718
1996	4,344,044.44	2,647,521	2,993,996	5,694,093	38.24	148,904
1997	6,133,087.12	3,572,769	4,040,329	8,225,845	38.98	211,027
1998	3,847,532.02	2,139,228	2,419,184	5,275,880	39.71	132,860
1999	3,258,227.55	1,722,690	1,948,135	4,568,320	40.46	112,910
2000	3,315,642.49	1,662,662	1,880,251	4,751,034	41.21	115,288
2001	2,816,482.63	1,335,520	1,510,297	4,122,668	41.96	98,252
2002	3,081,967.13	1,376,222	1,556,325	4,607,609	42.72	107,856
2003	3,298,605.20	1,381,786	1,562,617	5,034,593	43.48	115,791
2004	2,007,232.70	785,390	888,172	3,126,293	44.24	70,667
2005	3,612,553.21	1,312,368	1,484,115	5,740,991	45.01	127,549
2006	2,576,196.97	862,768	975,677	4,176,717	45.79	91,215
2007	3,040,311.05	931,977	1,053,943	5,026,679	46.57	107,938
2008	3,182,838.79	885,402	1,001,273	5,364,405	47.35	113,293
2009	2,475,136.61	617,448	698,252	4,252,021	48.14	88,326
2010	2,336,503.09	515,713	583,203	4,089,803	48.93	83,585
2011	2,435,748.97	467,664	528,866	4,342,632	49.72	87,342
2012	1,983,580.56	323,125	365,412	3,601,749	50.52	71,294
2013	2,966,278.14	395,879	447,687	5,484,869	51.33	106,855
2014	2,156,055.25	224,230	253,574	4,058,536	52.14	77,839
2015	3,150,400.30	234,831	265,563	6,035,238	52.95	113,980
2016	3,523,871.40	157,588	178,211	6,869,532	53.77	127,758
2017	3,204,921.26	47,753	54,002	6,355,841	54.59	116,429
	107,128,448.80	56,973,700	64,429,722	149,827,176		3,661,011
	10,,120,110.00	50,515,100	04,427,122	149,021,110		3,001,011

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.9 3.42



### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	60-R1.5				
NET SAI	LVAGE PERCENT	-65				
1954	1,449,283.24	1,685,879	1,906,506	484,811	17.70	27,390
1955	175,727.69	202,290	228,763	61,188	18.14	3,373
1956	170,340.81	193,981	219,367	61,695	18.59	3,319
1957	176,425.07	198,677	224,677	66,424	19.05	3,487
1958	103,699.93	115,439	130,546	40,559	19.52	2,078
1959	153,713.01	169,085	191,213	62,413	20.00	3,121
1960	163,050.00	177,158	200,342	68,690	20.49	3,352
1961	183,248.22	196,585	222,312	80,048	20.99	3,814
1962	158,418.97	167,769	189,725	71,666	21.49	3,335
1963	259,783.32	271,472	306,999	121,643	22.00	5,529
1964	306,767.97 209,145.11	316,187 212,461	357,566	148,601	22.52 23.06	6,599 4,546
1965 1966	264,511.71	264,848	240,265 299,508	104,824 136,936	23.59	5,805
1967	279,931.87	276,056	312,183	149,705	24.14	6,202
1968	305,341.34	296,408	335,198	168,615	24.70	6,827
1969	294,225.56	281,088	317,873	167,599	25.26	6,635
1970	353,578.13	332,249	375,730	207,674	25.83	8,040
1971	322,690.10	298,075	337,083	195,356	26.41	7,397
1972	362,618.96	329,077	372,143	226,178	27.00	8,377
1973	528,174.07	470,603	532,190	339,297	27.60	12,293
1974	557,910.26	487,893	551,742	368,810	28.20	13,078
1975	570,667.68	489,473	553,529	388,073	28.81	13,470
1976	732,278.19	615,608	696,171	512,088	29.43	17,400
1977	842,188.03	693,416	784,162	605,448	30.06	20,141
1978	1,035,407.44	834,564	943,782	764,640	30.69	24,915
1979	1,025,058.04	808,176	913,940	777,406	31.33	24,813
1980	1,799,334.43	1,386,477	1,567,922	1,400,980	31.98	43,808
1981	1,668,143.96	1,255,579	1,419,894	1,332,544	32.63	40,838
1982 1983	1,844,215.42	1,354,632	1,531,910	1,511,045	33.29	45,390
1983	849,150.14 1,195,638.05	608,076 834,160	687,654 943,325	713,444 1,029,478	33.96 34.63	21,008 29,728
1985	1,093,502.46	742,461	839,625	964,654	35.31	27,320
1986	1,031,423.05	680,739	769,826	932,022	36.00	25,890
1987	1,089,521.71	698,411	789,810	1,007,901	36.69	27,471
1988	1,061,517.46	660,019	746,394	1,005,110	37.39	26,882
1989	682,047.03	410,954	464,735	660,643	38.09	17,344
1990	545,763.86	318,177	359,816	540,694	38.80	13,935
1991	1,989,392.01	1,120,973	1,267,672	2,014,825	39.51	50,995
1992	2,030,701.49	1,104,042	1,248,526	2,102,131	40.23	52,253
1993	2,963,861.28	1,551,861	1,754,950	3,135,421	40.96	76,548
1994	2,163,955.55	1,090,189	1,232,860	2,337,667	41.68	56,086

### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SIIRVIV	JOR CURVE IOWA	60-R1 5				
	ALVAGE PERCENT					
1121 01	IDVIIOD I DICCEIVI	0.5				
1995	1,594,105.98	770,671	871,527	1,758,748	42.42	41,460
1996	1,891,402.56	875,919	990,549	2,130,265	43.16	49,357
1997	2,462,507.19	1,090,262	1,232,942	2,830,195	43.90	64,469
1998	2,027,074.66	855,668	967,647	2,377,026	44.65	53,237
1999	1,235,906.41	496,210	561,148	1,478,098	45.40	32,557
2000	1,779,371.61	677,708	766,398	2,169,565	46.15	47,011
2001	882,264.02	317,598	359,161	1,096,575	46.91	23,376
2002	1,340,606.22	454,566	514,054	1,697,946	47.67	35,619
2003	1,284,832.49	408,455	461,909	1,658,065	48.44	34,229
2004	803,639.60	238,456	269,662	1,056,343	49.21	21,466
2005	2,173,440.41	598,282	676,578	2,909,599	49.99	58,204
2006	507,640.01	128,991	145,872	691,734	50.76	13,628
2007	1,894,031.98	440,115	497,712	2,627,441	51.55	50,969
2008	1,718,524.12	362,470	409,905	2,425,660	52.33	46,353
2009	782,087.44	147,975	167,340	1,123,104	53.12	21,143
2010	591,179.24	98,842	111,777	863,669	53.92	16,018
2011	1,152,913.61	167,403	189,311	1,712,996	54.72	31,305
2012	1,765,788.93	217,555	246,026	2,667,526	55.52	48,046
2013	1,244,723.89	125,631	142,072	1,911,722	56.33	33,938
2014	2,411,073.20	189,644	214,462	3,763,809	57.14	65,870
2015	3,048,575.96	171,880	194,374	4,835,776	57.95	83,447
2016	3,380,615.83	114,349	129,314	5,448,702	58.77	92,712
2017	2,138,280.73	24,097	27,250	3,500,913	59.59	58,750
	71,102,938.71	33,174,014	37,515,424	79,804,425		1,823,996

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 43.8 2.57



### ACCOUNT 366 UNDERGOUND CONDUIT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIIRVIVO	R CURVE IOWA	55-R3				
	VAGE PERCENT					
1967	779.07	825	933	158	13.39	12
1968	1,922.69	2,010	2,273	419	13.94	30
1969	12,439.50	12,821	14,499	2,916	14.51	201
1970	19,200.86	19,501	22,053	4,828	15.10	320
1971	80,356.67	80,365	90,882	21,617	15.71	1,376
1972	16,771.28	16,513	18,674	4,806	16.32	294
1973	23,900.18	23,142	26,171	7,289	16.96	430
1974	38,542.40	36,683	41,484	12,475	17.61	708
1975 1976	40,059.33 68,560.39	37,453 62,931	42,354	13,729	18.27 18.94	751 1,310
1977	62,079.62	55,892	71,167 63,206	24,818 23,705	19.63	1,208
1978	117,193.81	103,424	116,959	47,112	20.33	2,317
1979	100,599.90	86,962	98,343	42,497	21.04	2,020
1980	118,034.03	99,839	112,905	52,343	21.77	2,404
1981	117,067.17	96,847	109,521	54,373	22.50	2,417
1982	116,007.09	93,754	106,023	56,387	23.25	2,425
1983	137,653.63	108,585	122,795	69,920	24.01	2,912
1984	137,728.14	105,981	119,850	72,969	24.77	2,946
1985	257,271.20	192,858	218,097	142,083	25.55	5,561
1986	213,971.32	156,098	176,526	123,034	26.34	4,671
1987	252,014.95	178,721	202,110	150,711	27.14	5,553
1988	187,405.14	129,085	145,978	116,389	27.94	4,166
1989	282,701.66	188,824	213,535	182,247	28.76	6,337
1990	366,103.92	236,796	267,785	244,760	29.59	8,272
1991	714,787.61	447,224	505,751	494,952	30.42	16,271
1992	584,628.69	353,289	399,523	418,957	31.26	13,402
1993	1,321,714.75	770,100	870,881	979,520	32.11	30,505
1994	1,770,862.02	993,046	1,123,004	1,356,203	32.97	41,134
1995	916,535.64	493,666	558,271	724,879	33.84	21,421
1996	731,166.75	377,444	426,839	596,794	34.72	17,189
1997	518,201.46	255,899	289,388	436,094	35.60	12,250
1998	642,842.10	302,888	342,526	557,453	36.49	15,277
1999	135,762.44	60,856	68,820	121,247	37.39	3,243
2000	268,980.01	114,342	129,306	247,266	38.30	6,456
2001	1,019,966.10	409,951	463,601	964,352	39.21	24,595
2002	251,522.09	95,202	107,661	244,470	40.13	6,092
2003	220,783.54	78,341	88,593	220,504	41.06	5,370
2004	475,025.31	157,314	177,901	487,134	41.99	11,601
2005 2006	993,681.43 182,300.48	305,289 51,646	345,242 58,405	1,045,912 196,816	42.93 43.87	24,363 4,486
2007	445,207.21	115,477	130,589	492,701	44.81	10,995
<b>400</b> /	TTJ, ZU/.ZI	113,411	130,309	474,/UI	11.01	10,995



### ACCOUNT 366 UNDERGOUND CONDUIT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
NEI SA	LIVAGE PERCENI	-40				
2008	556,675.34	130,790	147,906	631,439	45.77	13,796
2009	470,964.94	99,265	112,256	547,095	46.72	11,710
2010	546,481.84	101,686	114,993	650,082	47.69	13,631
2011	587,146.39	94,900	107,320	714,685	48.65	14,690
2012	299,424.14	41,006	46,372	372,822	49.62	7,514
2013	144,387.77	16,208	18,329	183,814	50.59	3,633
2014	651,190.00	56,851	64,291	847,375	51.57	16,432
2015	292,643.72	18,326	20,724	388,977	52.54	7,403
2016	306,922.81	11,563	13,077	416,615	53.52	7,784
2017	598,625.51	7,467	8,444	829,632	54.51	15,220
	18,416,794.04	8,085,946	9,144,136	16,639,376		435,104

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 38.2 2.36



### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	55-R3				
NET SAI	LVAGE PERCENT	-35				
1065	10 757 65	20 602	22 401	2 070	10 22	265
1965 1966	19,757.65 14,254.32	20,693 14,747	23,401 16,677	3,272 2,566	12.33 12.85	265 200
1967	18,438.88	18,832	21,297	3,595	13.39	268
1968	18,329.52	18,473	20,891	3,854	13.94	276
1969	27,321.44	27,153	30,706	6,178	14.51	426
1970	18,976.67	18,585	21,017	4,602	15.10	305
1971	133,260.59	128,515	145,333	34,569	15.71	2,200
1972	79,238.09	75,230	85,075	21,896	16.32	1,342
1973	127,714.73	119,249	134,855	37,560	16.96	2,215
1974	85,531.54	78,497	88,770	26,698	17.61	1,516
1975	105,318.58	94,951	107,377	34,803	18.27	1,905
1976	223,132.21	197,497	223,343	77,885	18.94	4,112
1977 1978	267,368.54 359,129.78	232,122 305,614	262,499 345,609	98,449 139,216	19.63 20.33	5,015 6,848
1978	332,578.30	277,223	313,503	135,210	20.33	6,439
1980	285,288.05	232,693	263,145	121,994	21.77	5,604
1981	283,416.26	226,089	255,677	126,935	22.50	5,642
1982	175,984.11	137,147	155,095	82,484	23.25	3,548
1983	208,263.73	158,417	179,149	102,007	24.01	4,249
1984	204,683.62	151,878	171,754	104,569	24.77	4,222
1985	250,245.97	180,892	204,565	133,267	25.55	5,216
1986	187,203.58	131,692	148,926	103,799	26.34	3,941
1987	196,666.33	134,489	152,089	113,411	27.14	4,179
1988	193,261.15	128,364	145,163	115,740	27.94	4,142
1989	243,356.92	156,739	177,251	151,281	28.76	5,260
1990 1991	114,579.64 796,052.32	71,463 480,281	80,815 543,134	73,868 531,537	29.59 30.42	2,496 17,473
1991	789,907.36	460,281	520,527	545,848	31.26	17,473
1993	705,161.15	396,190	448,038	503,930	32.11	15,694
1994	349,104.22	188,775	213,480	257,811	32.97	7,820
1995	1,002,642.72	520,758	588,908	764,660	33.84	22,596
1996	926,613.72	461,255	521,618	729,311	34.72	21,006
1997	1,099,192.76	523,420	591,919	891,991	35.60	25,056
1998	835,305.70	379,515	429,181	698,482	36.49	19,142
1999	491,532.46	212,461	240,265	423,304	37.39	11,321
2000	699,424.18	286,704	324,224	619,999	38.30	16,188
2001	1,014,725.29	393,279	444,747	925,132	39.21	23,594
2002	562,548.07	205,322	232,192	527,248	40.13	13,138
2003	827,486.56	283,131	320,184	796,923	41.06	19,409
2004	1,065,861.70	340,375	384,919	1,053,994	41.99	25,101
2005	1,080,170.79	320,009	361,888	1,096,343	42.93	25,538



### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
2006	792,682.27	216,550	244,890	825,231	43.87	18,811
2007	1,178,382.43	294,731	333,302	1,257,514	44.81	28,063
2008	1,023,700.01	231,926	262,278	1,119,717	45.77	24,464
2009	1,120,191.66	227,671	257,466	1,254,793	46.72	26,858
2010	597,538.00	107,215	121,246	685,430	47.69	14,373
2011	1,390,825.85	216,771	245,139	1,632,476	48.65	33,556
2012	354,195.28	46,774	52,895	425,269	49.62	8,571
2013	428,728.06	46,407	52,480	526,303	50.59	10,403
2014	1,083,713.63	91,234	103,174	1,359,839	51.57	26,369
2015	1,077,822.45	65,085	73,602	1,381,458	52.54	26,293
2016	1,302,322.26	47,311	53,503	1,704,632	53.52	31,850
2017	1,342,441.17	16,148	18,261	1,794,035	54.51	32,912
	28,111,572.27	10,396,832	11,757,442	26,193,181		644,892

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.6 2.29



### ACCOUNT 368 LINE TRANSFORMERS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
( ± /	(2)	(3)	(1)	(3)	(0)	( / )
	R CURVE IOWA					
NET SALV	AGE PERCENT	-25				
1927	510.99	639	639			
1929	119.68	150	150			
1932	265.33	332	332			
1936	1,466.17	1,811	1,833			
1937	548.38	673	685			
1938	321.27	392	402			
1939	532.78	647	666			
1940	623.83	752	780			
1941	546.31	655	683			
1942	631.31	752	789			
1943	1,905.15	2,254	2,381			
1944	4,088.70	4,805	5,111			
1945 1946	3,367.30 6,243.91	3,930 7,238	4,209 7,805			
1947	12,838.13	14,778	16,048			
1947	10,087.84	11,531	12,610			
1954	19,662.48	21,520	24,338	240	5.60	43
1956	302.69	326	369	9	6.20	1
1957	1,989.24	2,127	2,405	82	6.51	13
1958	11,651.18	12,357	13,975	589	6.82	86
1959	13,080.33	13,756	15,557	793	7.14	111
1960	39,229.22	40,896	46,250	2,787	7.47	373
1961	37,807.56	39,057	44,171	3,088	7.81	395
1962	35,294.53	36,128	40,858	3,260	8.15	400
1963	114,575.57	116,167	131,376	11,843	8.50	1,393
1964	104,161.10	104,537	118,224	11,977	8.87	1,350
1965	100,447.75	99,779	112,843	12,717	9.24	1,376
1966	107,643.01	105,759	119,606	14,948	9.63	1,552
1967	158,728.51	154,187	174,374	24,037	10.03	2,397
1968	227,142.38	218,057	246,606	37,322	10.44	3,575
1969	270,369.73	256,402	289,972	47,990	10.86	4,419
1970	443,134.19	414,823	469,134	84,784	11.30	7,503
1971	530,561.27	490,033	554,191	109,011	11.75	9,278
1972	613,086.36	558,422	631,534	134,824	12.21	11,042
1973	733,129.26	657,984	744,132	172,280	12.69	13,576
1974	706,790.07 616,488.34	624,723	706,516	176,972	13.18	13,427
1975 1976	904,051.41	536,345 773,721	606,567 875,022	164,043 255,042	13.68 14.19	11,991
1976 1977	1,231,646.37	1,035,953	1,171,587	367,971	14.19	17,973 24,998
1977	1,562,141.14	1,035,953	1,459,465	493,211	15.26	32,321
1979	2,034,454.47	1,649,027	1,864,928	678,140	15.82	42,866
±	2,031,131.1/	1,010,027	1,001,020	0,0,140	10.02	12,000



### ACCOUNT 368 LINE TRANSFORMERS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	45-R2				
	LVAGE PERCENT					
1980	1,615,891.47	1,284,189	1,452,323	567,541	16.39	34,627
1981	1,511,155.85	1,176,605	1,330,654	558,291	16.97	32,899
1982	1,967,139.65	1,499,403	1,695,715	763,210	17.56	43,463
1983	1,636,079.19	1,219,779	1,379,480	665,619	18.16	36,653
1984	3,028,492.29	2,205,765	2,494,558	1,291,057	18.78	68,746
1985	2,206,142.51	1,568,209	1,773,529	984,149	19.41	50,703
1986	1,996,969.43	1,384,000	1,565,202	931,010	20.05	46,434
1987	2,558,976.83	1,727,309	1,953,460	1,245,261	20.70	60,158
1988	2,330,192.11	1,529,509	1,729,762	1,182,978	21.37	55,357
1989	2,371,477.22	1,512,469	1,710,491	1,253,856	22.04	56,890
1990	2,815,191.46	1,741,513	1,969,523	1,549,466	22.73	68,168
1991	3,394,372.84	2,034,757	2,301,161	1,941,805	23.42	82,912
1992	2,994,046.02	1,735,723	1,962,975	1,779,583	24.13	73,750
1993	2,478,804.77	1,388,131	1,569,874	1,528,632	24.84	61,539
1994	3,684,361.41	1,988,542	2,248,895	2,356,557	25.57	92,161
1995	2,759,530.57	1,433,438	1,621,113	1,828,300	26.30	69,517
1996	2,566,334.59	1,279,607	1,447,142	1,760,776	27.05	65,093
1997	2,024,003.96	967,018	1,093,626	1,436,379	27.80	51,668
1998	985,302.77	449,680	508,555	723,073	28.57	25,309
1999	2,107,268.54	916,662	1,036,677	1,597,409	29.34	54,445
2000	3,041,793.12	1,257,287	1,421,899	2,380,342	30.12	79,029
2001	2,365,366.41	925,775	1,046,984	1,909,724	30.91	61,783
2002	2,250,207.53	830,692	939,452	1,873,307	31.71	59,076
2003	2,483,197.08	861,545	974,344	2,129,652	32.51	65,508
2004	2,688,214.13	872,191	986,384	2,373,884	33.32	71,245
2005	3,462,122.02	1,043,440	1,180,054	3,147,599	34.15	92,170
2006	2,204,937.58	613,717	694,069	2,062,103	34.98	58,951
2007	4,049,056.51	1,033,623	1,168,952	3,892,369	35.81	108,695
2008	4,522,854.53	1,047,776	1,184,958	4,468,610	36.66	121,893
2009	3,666,956.45	762,910	862,795	3,720,901	37.51	99,198
2010	3,226,882.87	595,199	673,126	3,360,478	38.36	87,604
2011	3,263,415.55	523,044	591,524	3,487,745	39.23	88,905
2012	2,768,714.90	376,857	426,198	3,034,696	40.10	75,678
2013	2,958,897.42	330,398	373,656	3,324,966	40.98	81,136
2014	2,829,209.12	246,778	279,088	3,257,423	41.86	77,817



### ACCOUNT 368 LINE TRANSFORMERS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		45-R2				
NET S	ALVAGE PERCENT	-25				
2015	3,104,336.68	194,021	219,423	3,660,998	42.75	85,637
2016	3,037,753.77	113,916	128,831	3,668,361	43.65	84,040
2017	2,932,933.23	36,662	41,462	3,624,704	44.55	81,363
	112,550,247.62	50,012,068	56,557,037	84,130,772		2,812,679
	COMPOSITE REMAIN	TNG LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	29.9	2.50



### ACCOUNT 369.1 OVERHEAD SERVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
1954	66,520.89	61,512	69,562	23,567	20.37	1,157
1955	15,420.89	14,091	15,935	5,654	20.84	271
1956	15,823.13	14,285	16,154	5,998	21.31	281
1957	14,464.11	12,896	14,584	5,666	21.79	260
1958	61,663.33	54,272	61,374	24,955	22.28	1,120
1959	113,129.54	98,276	111,137	47,244	22.77	2,075
1960	125,711.58	107,740	121,840	54,156	23.27	2,327
1961	110,530.21	93,438	105,666	49,076	23.77	2,065
1962 1963	124,025.47 162,202.40	103,371 133,259	116,899 150,698	56,737 76,385	24.28 24.79	2,337 3,081
1963	173,991.03	140,794	159,219	76,385 84,368	25.32	3,332
1965	147,022.42	117,186	132,522	73,309	25.84	2,837
1966	121,166.36	95,079	107,522	62,111	26.37	2,355
1967	146,709.12	113,274	128,098	77,295	26.91	2,872
1968	148,837.60	113,007	127,796	80,577	27.46	2,934
1969	144,637.59	107,963	122,092	80,401	28.01	2,870
1970	156,363.08	114,708	129,720	89,188	28.56	3,123
1971	161,610.21	116,446	131,685	94,569	29.12	3,248
1972	170,860.11	120,839	136,653	102,551	29.69	3,454
1973	170,257.91	118,148	133,610	104,751	30.26	3,462
1974	180,109.55	122,547	138,584	113,569	30.84	3,683
1975	182,137.77	121,461	137,356	117,637	31.42	3,744
1976	217,615.02	142,124	160,723	143,938	32.01	4,497
1977	240,957.31	153,996	174,149	163,191	32.61	5,004
1978	267,085.96	166,955	188,804	185,116	33.21	5,574
1979	305,158.63	186,482	210,887	216,335	33.81	6,399
1980	301,171.60	179,690	203,206	218,434	34.43	6,344
1981	325,798.19	189,745	214,577	241,540	35.04	6,893
1982	321,022.02	182,321	206,181	243,250	35.66	6,821
1983	265,379.27	146,818	166,032	205,499	36.29	5,663
1984	249,980.61	134,624	152,242	197,731	36.92	5,356
1985	262,017.85	137,255	155,217	211,608	37.55	5,635
1986	393,675.29	200,341	226,559	324,586	38.19	8,499
1987	217,623.12	107,449	121,511	183,161		4,716
1988 1989	209,496.56 167,034.18	100,257 77,404	113,377 87,534	179,918 146,314	39.49	4,556 3,645
1990	291,365.14	130,601	147,692	260,219	40.14 40.79	6,379
1991	388,671.22	168,232	190,248	353,892	41.45	8,538
1991	212,268.14	88,558	100,248	197,028	42.12	4,678
1993	226,985.05	91,203	103,139	214,640	42.12	5,017
1994	583,075.70	225,162	254,628	561,678	43.45	12,927
	555,575.70		201,020	201,010		_2,>2,

### ACCOUNT 369.1 OVERHEAD SERVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SIIRVIV	OR CURVE IOWA	60-R1				
	ALVAGE PERCENT					
IVIII DI	inviton initenti	10				
1995	359,898.84	133,356	150,808	353,050	44.12	8,002
1996	476,599.84	169,032	191,153	476,087	44.80	10,627
1997	244,946.54	82,988	93,848	249,077	45.48	5,477
1998	595,643.84	192,356	217,529	616,372	46.16	13,353
1999	385,007.72	118,221	133,692	405,319	46.84	8,653
2000	1,491,451.53	434,311	491,149	1,596,883	47.52	33,604
2001	50,429.47	13,873	15,689	54,912	48.21	1,139
2002	452,171.44	117,112	132,438	500,602	48.90	10,237
2003	391,657.42	95,040	107,478	440,842	49.60	8,888
2004	497,162.11	112,638	127,379	568,648	50.29	11,307
2005	747,451.02	157,143	177,708	868,723	50.99	17,037
2006	456,890.25	88,591	100,185	539,461	51.69	10,436
2007	736,602.52	130,628	147,723	883,521	52.40	16,861
2008	730,878.44	117,671	133,070	890,160	53.10	16,764
2009	888,859.73	128,385	145,186	1,099,218	53.81	20,428
2010	882,756.46	112,673	127,418	1,108,441	54.53	20,327
2011	924,416.75	102,461	115,870	1,178,313	55.25	21,327
2012	788,706.55	74,168	83,874	1,020,315	55.97	18,230
2013	669,340.30	51,699	58,465	878,611	56.69	15,499
2014	596,589.17	35,915	40,615	794,610	57.42	13,839
2015	772,964.16	33,363	37,729	1,044,421	58.15	17,961
2016	850,790.68	22,035	24,919	1,166,188	58.89	19,803
2017	708,341.53	6,119	6,920	984,758	59.63	16,514
	22,859,131.47	7,433,587	8,406,404	23,596,380		506,342

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 46.6 2.22



### ACCOUNT 369.2 UNDERGROUND SERVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	R CURVE IOWA	55-R4				
NET SAL	VAGE PERCENT	-50				
1965	1,352.68	1,686	1,907	122	9.31	13
1966	16,842.16	20,734	23,447	1,816	9.86	184
1967	13,134.63	15,962	18,051	1,651	10.44	158
1968	29,230.42	35,037	39,622	4,224	11.05	382
1969	15,331.83	18,114	20,485	2,513	11.68	215
1970	14,658.53	17,055	19,287	2,701	12.34	219
1971 1972	40,776.91	46,708	52,821	8,344	13.00 13.68	642
1972	44,297.89 84,890.08	49,920 94,043	56,453 106,350	9,994 20,985	14.38	731 1,459
1973	106,250.89	115,679	130,818	28,558	15.08	1,894
1975	136,351.37	145,773	164,850	39,677	15.80	2,511
1976	216,020.73	226,644	256,304	67,727	16.53	4,097
1977	299,451.58	308,055	348,369	100,808	17.28	5,834
1978	310,502.03	312,986	353,946	111,807	18.04	6,198
1979	335,401.32	331,041	374,364	128,738	18.81	6,844
1980	214,615.56	207,203	234,319	87,604	19.60	4,470
1981	208,318.21	196,576	222,301	90,176	20.40	4,420
1982	247,628.54	228,200	258,064	113,379	21.21	5,346
1983	263,384.64	236,758	267,742	127,335	22.04	5,777
1984	433,279.59	379,553	429,224	220,695	22.88	9,646
1985	492,701.02	420,188	475,177	263,875	23.73	11,120
1986	449,643.79	372,797	421,584	252,882	24.60	10,280
1987	288,984.36	232,738	263,196	170,281	25.47	6,686
1988	279,971.11	218,684	247,303	172,654	26.36	6,550
1989	273,392.92	206,911	233,989	176,100	27.25	6,462
1990 1991	523,628.43 952,441.34	383,296 673,286	433,457 761,397	351,986 667,265	28.16 29.08	12,500 22,946
1991	439,990.82	299,997	339,257	320,729	30.00	10,691
1993	740,945.62	486,401	550,055	561,363	30.93	18,149
1994	1,291,476.39	814,696	921,314	1,015,901	31.87	31,876
1995	962,988.56	582,517	658,750	785,733	32.82	23,941
1996	1,232,581.47	713,665	807,061	1,041,811	33.77	30,850
1997	1,120,137.62	619,240	700,279	979,927	34.73	28,216
1998	1,326,168.21	698,049	789,401	1,199,851	35.70	33,609
1999	1,017,738.00	508,772	575,354	951,253	36.67	25,941
2000	2,530,870.44	1,198,266	1,355,080	2,441,226	37.64	64,857
2001	529,619.44	236,597	267,560	526,869	38.62	13,642
2002	1,073,736.95	450,970	509,987	1,100,618	39.60	27,793
2003	1,309,386.49	514,942	582,331	1,381,749	40.58	34,050
2004	1,709,032.39	626,429	708,408	1,855,141	41.56	44,638
2005	1,789,535.00	607,619	687,137	1,997,166	42.55	46,937

### ACCOUNT 369.2 UNDERGROUND SERVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA ALVAGE PERCENT					
2006	1,499,293.93	468,589	529,912	1,719,029	43.54	39,482
2007	2,075,231.85	592,562	670,109	2,442,739	44.53	54,856
2008	1,821,060.64	470,325	531,876	2,199,715	45.53	48,314
2009	1,407,425.41	325,495	368,092	1,743,046	46.52	37,469
2010	1,264,639.81	257,987	291,749	1,605,211	47.52	33,780
2011	1,109,174.57	196,324	222,017	1,441,745	48.51	29,721
2012	1,020,298.92	152,769	172,762	1,357,686	49.51	27,422
2013	1,285,351.14	157,404	178,003	1,750,024	50.51	34,647
2014	1,217,077.46	116,182	131,386	1,694,230	51.50	32,898
2015	1,225,874.02	83,574	94,511	1,744,300	52.50	33,225
2016	1,540,908.38	63,031	71,280	2,240,083	53.50	41,871
2017	1,332,676.06	18,171	20,549	1,978,465	54.50	36,302
	40,165,702.15	16,756,200	18,949,047	41,299,506		1,022,761

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.4 2.55



### ACCOUNT 370 METERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			( - /	( - /	( - )	( - /
	R CURVE IOWA  /AGE PERCENT					
NEI SALV	AGE PERCENI	-3				
1964	9,844.98	10,140	10,140			
1965	53,967.78	55,587	55,587			
1966	47,730.13	49,162	49,162			
1967	56,512.73	58,208	58,208			
1968	40,281.31	41,490	41,490			
1969	11,307.97	11,647	11,647			
1970	12,561.37	12,938	12,938			
1971	7,204.10	7,420	7,420			
1972 1973	11,139.25 17,479.69	11,473 18,004	11,473 18,004			
1973	18,787.75	19,351	19,351			
1975	22,834.40	23,519	23,519			
1976	48,390.00	49,842	49,842			
1977	56,349.84	58,040	58,040			
1978	37,818.40	38,953	38,953			
1979	34,670.44	35,711	35,711			
1980	42,201.62	42,881	43,468			
1981	30,350.19	30,620	31,261			
1982	21,649.46	21,686	22,299			
1983	24,616.52	24,493	25,355			
1984 1985	51,416.07 49,681.04	50,787 48,690	52,959 51,171			
1986	33,774.81	32,823	34,788			
1987	29,937.56	28,847	30,836			
1988	8,348.27	7,967	8,599			
1999	6,785.10	5,392	6,215	774	4.57	169
2000	11,953.71	9,216	10,622	1,690	5.03	336
2001	30,964.40	23,043	26,559	5,334	5.55	961
2002	54,989.60	39,336	45,337	11,302	6.11	1,850
2003	19,307.53	13,195	15,208	4,679	6.73	695
2004	80,702.75	52,368	60,358	22,766	7.40	3,076
2005	107,807.02	65,847	75,893	35,148	8.14	4,318
2006 2007	102,907.45 39,957.90	58,668 21,052	67,619 24,264	38,376 16,893	8.93 9.77	4,297 1,729
2007	159,883.86	76,906	88,640	76,040	10.66	7,133
2009	31,432.10	13,630	15,710	16,665	11.58	1,439
2010	9,126,767.93	3,506,413	4,041,385	5,359,186	12.54	427,367
2011	255,691.71	85,329	98,348	165,014	13.52	12,205
2012	170,914.60	48,324	55,697	120,345	14.51	8,294
2013	198,952.73	46,107	53,141	151,780	15.50	9,792
2014	299,096.12	53,912	62,137	245,932	16.50	14,905



### ACCOUNT 370 METERS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA ALVAGE PERCENT	20-S3 -3				
2015	403,153.97	51,906	59,825	355,424	17.50	20,310
2016	451,614.94	34,887	40,210	424,953	18.50	22,970
2017	379,276.26	9,766	11,256	379,399	19.50	19,456
	12,711,015.36	5,005,576	5,660,645	7,431,701		561,302
	COMPOSITE REMAIN	TNG LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	13.2	4.42



### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	30-L0				
	AGE PERCENT					
1962	15,584.19	13,840	15,651	6,167	10.97	562
1963	9,777.84	8,588	9,712	3,977	11.18	356
1964	15,594.89	13,551	15,324	6,509	11.38	572
1965	11,678.35	10,033	11,346	5,004	11.59	432
1966	16,056.06	13,629	15,413	7,065	11.81	598
1967	17,556.83	14,731	16,659	7,921	12.02	659
1968	14,083.41	11,672	13,199	6,518	12.24	533
1969	19,307.02	15,794	17,861	9,169	12.47	735 766
1970 1971	19,991.28 22,647.54	16,149 18,051	18,262 20,413	9,726 11,294	12.69 12.92	874
1971	18,388.93	14,460	16,352	9,393	13.15	714
1972	20,485.97	15,879	17,957	10,723	13.13	801
1974	17,051.23	13,026	14,731	9,141	13.63	671
1975	17,503.46	13,176	14,900	9,605	13.87	693
1976	24,700.19	18,304	20,700	13,880	14.12	983
1977	22,532.70	16,435	18,586	12,960	14.37	902
1978	27,433.89	19,690	22,267	16,140	14.62	1,104
1979	34,250.24	24,167	27,330	20,620	14.88	1,386
1980	19,782.13	13,718	15,513	12,182	15.14	805
1981	36,467.65	24,847	28,099	22,956	15.40	1,491
1982	32,036.76	21,424	24,228	20,623	15.67	1,316
1983	11,473.19	7,523	8,507	7,555	15.95	474
1984	2,812.27	1,808	2,045	1,892	16.22	117
1985	229.01	144	163	158	16.51	10
1986	5,099.60	3,144	3,555	3,584	16.79	213
1987	2,681.41	1,617	1,829	1,925	17.08	113
1988	2,885.75	1,700	1,922	2,118	17.38	122
1989	4,131.80	2,376	2,687	3,098	17.68	175
1991	1,247.60	681	770	977	18.30	53
1992	3,188.02	1,695	1,917	2,546	18.61	137
1993	6,022.83	3,111	3,518	4,914	18.93	260
1994	2,013.39	1,009	1,141	1,678	19.26	87
1995	1,859.55	903	1,021	1,582	19.59	81
1996	584.50	275	311	507	19.93	25
1997 1998	1,461.53	664 71	751 80	1,295 149	20.27 20.62	64 7
1998	163.31 8,085.71	3,404	3,850	7,470	20.62	356
2000	4,970.01	2,009	2,272	4,686	21.34	220
2000	313.16	121	137	301	21.34	14
2001	2,484.44	918	1,038	2,440	22.08	111
2002	1,771.73	623	705	1,775	22.46	79
2005	1, 1 1 1 1 3	023	, 05	1,775	22.40	13



### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR	CURVE IOWA	30-L0				
NET SALV	AGE PERCENT	-40				
2006	652.02	193	218	695	23.65	29
2007	1,802.87	499	564	1,960	24.07	81
2008	332.48	85	96	369	24.50	15
2009	511.73	121	137	579	24.95	23
2010	1,331.81	285	322	1,543	25.42	61
2014	4,100.17	471	533	5,207	27.54	189
2016	424.83	23	26	569	28.83	20
	505,545.28	366,637	414,618	293,145		20,089

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.6 3.97



### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA VAGE PERCENT					
1954	140,486.57	147,118	166,371	30,310	11.34	2,673
1955	3,199.25	3,310	3,743	736	11.74	63
1956	5,108.59	5,221	5,904	1,248	12.15	103
1957	9,483.72	9,571	10,824	2,453	12.56	195
1958	4,574.69	4,559	5,156	1,249	12.97	96
1959	3,970.98	3,905	4,416	1,143	13.39	85
1960	3,383.19	3,283	3,713	1,023	13.81	74
1961	4,876.29	4,668	5,279	1,548	14.23	109
1962	1,167.05	1,102	1,246	388	14.66	26
1963	2,724.68	2,535	2,867	948	15.09	63
1964	19,965.12	18,305	20,701	7,250	15.53 15.97	467 175
1965 1966	7,360.61 12,237.32	6,648 10,881	7,518 12,305	2,787 4,827	16.42	294
1967	10,525.05	9,211	10,416	4,319	16.42	256
1968	12,523.37	10,785	12,196	5,337	17.32	308
1969	35,150.45	29,767	33,663	15,548	17.78	874
1970	15,936.57	13,263	14,999	7,312	18.25	401
1971	15,583.20	12,741	14,408	7,408	18.72	396
1972	8,944.01	7,182	8,122	4,400	19.19	229
1973	50,277.79	39,621	44,806	25,583	19.67	1,301
1974	35,464.43	27,418	31,006	18,644	20.15	925
1975	36,432.25	27,611	31,224	19,781	20.64	958
1976	23,401.32	17,371	19,644	13,118	21.14	621
1977	39,258.35	28,531	32,265	22,697	21.64	1,049
1978	12,976.99	9,229	10,437	7,731	22.14	349
1979	17,919.01	12,454	14,084	11,003	22.66	486
1980	112,177.65	76,186	86,156	70,893	23.17	3,060
1981	137,728.74	91,312	103,262	89,558	23.69	3,780
1982	114,524.89	74,039	83,728	76,607	24.22	3,163
1983	72,640.51	45,764	51,753	49,944	24.75	2,018
1984	20,388.18	12,508	14,145	14,398	25.28	570
1985	53,873.06	32,146	36,353	39,069	25.82	1,513
1986	21,215.16	12,296	13,905	15,796	26.37	599
1987	26,108.77	14,686	16,608	19,944	26.92	741
1988	16,171.37	8,820	9,974	12,666	27.47	461
1989	69,310.17	36,593	41,382	55,652	28.03	1,985
1990	45,309.05	23,132	26,159	37,274	28.59	1,304
1991	111,776.31	55,083	62,292	94,195	29.16	3,230
1992 1993	62,559.87	29,720 79,997	33,609	53,975 154,419	29.73	1,816
1993	174,917.98 151,918.12	66,783	90,466 75,523	137,162	30.30 30.87	5,096 4,443
エンノユ	101,010.12	00,703	13,343	131,102	30.07	7,773



#### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	45-R0.5				
	LVAGE PERCENT					
1995	252,471.72	106,430	120,358	233,102	31.45	7,412
1996	147,671.06	59,541	67,333	139,406	32.04	4,351
1997	208,744.18	80,399	90,921	201,321	32.62	6,172
1998	139,942.64	51,331	58,049	137,871	33.21	4,151
1999	51,142.74	17,820	20,152	51,448	33.80	1,522
2000	97,254.65	32,103	36,304	99,853	34.39	2,904
2001	27,538.00	8,585	9,708	28,845	34.98	825
2002	126,466.26	37,062	41,912	135,141	35.58	3,798
2003	176,397.07	48,458	54,800	192,156	36.17	5,313
2004	81,781.57	20,940	23,680	90,814	36.77	2,470
2005	158,063.42	37,522	42,433	178,856	37.37	4,786
2006	84,594.63	18,502	20,923	97,509	37.97	2,568
2007	121,555.56	24,317	27,499	142,679	38.57	3,699
2008	116,444.65	21,084	23,843	139,180	39.18	3,552
2009	139,965.38	22,730	25,705	170,247	39.78	4,280
2010	145,559.51	20,876	23,608	180,175	40.39	4,461
2011	93,912.95	11,687	13,217	118,261	41.00	2,884
2012	91,743.23	9,675	10,941	117,500	41.61	2,824
2013	108,521.83	9,386	10,614	141,317	42.22	3,347
2014	63,460.64	4,265	4,823	84,022	42.84	1,961
2015	113,575.14	5,476	6,193	152,812	43.45	3,517
2016	186,900.87	5,409	6,117	255,544	44.07	5,799
2017	136,374.49	1,315	1,487	189,437	44.69	4,239
	4,593,632.87	1,780,268	2,013,248	4,417,838		133,190
	4,393,032.07	1,700,200	4,013,410	7,711,030		133,190

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 33.2 2.90



#### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CIIDVII	OR CURVE IOWA	40-93				
	ALVAGE PERCENT					
1111 52	mvnon inkenivi	10				
1953	245.17	256	270			
1965	28,805.16	28,327	31,686			
1986	14,560.00	11,239	14,292	1,724	11.93	145
1987	3,076.45	2,325	2,957	427	12.52	34
1988	18,859.91	13,931	17,715	3,031	13.14	231
1989	288,374.45	207,853	264,315	52,897	13.79	3,836
1990	7,322.53	5,143	6,540	1,515	14.46	105
1992	65,945.68	43,705	55,577	16,963	15.90	1,067
1993	374,026.82	240,069	305,282	106,148	16.66	6,371
1994	96,959.32	60,127	76,460	30,195	17.45	1,730
1995	6,918,260.52	4,134,180	5,257,195	2,352,892	18.27	128,784
1996	45,015.09	25,860	32,885	16,632	19.11	870
1997	334,066.42	184,012	233,997	133,476	19.97	6,684
1998	28,556.70	15,031	19,114	12,298	20.86	590
1999	29,590.21	14,834	18,864	13,685	21.77	629
2000	12,193.14	5,801	7,377	6,035	22.70	266
2001	176,581.56	79,444	101,024	93,216	23.64	3,943
2002	21,123.65	8,946	11,376	11,860	24.60	482
2003	1,993,126.15	791,470	1,006,466	1,185,973	25.56	46,400
2004	5,737.15	2,124	2,701	3,610	26.54	136
2005	124,327.47	42,635	54,216	82,544	27.53	2,998
2006	93,184.70	29,444	37,442	65,061	28.51	2,282
2007	27,222.10	7,853	9,986	19,958	29.51	676
2008	65,748.69	17,177	21,843	50,481	30.50	1,655
2009	32,509.02	7,599	9,663	26,097	31.50	828
2010	129,336.48	26,676	33,922	108,348	32.50	3,334
2011	45,956.42	8,215	10,447	40,105	33.50	1,197
2012	25,360.19	3,836	4,878	23,018	34.50	667
2013	1,169,660.16	144,745	184,064	1,102,562	35.50	31,058
2014	724,516.46	69,735	88,678	708,290	36.50	19,405
2015	60,568.14	4,164	5,295	61,330	37.50	1,635
2016	42,524.11	1,754	2,230	44,547	38.50	1,157
2017	63,790.90	877	1,116	69,054	39.50	1,748
	13,067,130.92	6,239,387	7,929,873	6,443,971		270,943

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 23.8 2.07



#### ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA LVAGE PERCENT					
1992	15,850.49	13,797	14,265			
1995	52,684.27	43,792	47,416			
1997	6,937.22	5,557	6,243			
1998	29,241.30	22,952	26,317			
2001	42,974.54	31,328	38,677			
2002	72,064.25	51,006	64,858			
2003	104,495.17	71,541	92,188	1,858	3.35	555
2004	187,205.11	123,354	158,955	9,530	3.75	2,541
2005	206,046.24	129,941	167,443	17,999	4.19	4,296
2006	231,208.00	138,823	178,888	29,199	4.66	6,266
2007	58,557.41	33,165	42,737	9,965	5.19	1,920
2008	137,575.10	72,787	93,794	30,024	5.77	5,203
2009	237,670.12	115,965	149,433	64,470	6.41	10,058
2010	143,990.02	63,777	82,183	47,408	7.11	6,668
2011	297,086.10	116,881	150,613	116,764	7.88	14,818
2012	74,389.42	25,298	32,599	34,351	8.71	3,944
2013	31,192.02	8,823	11,369	16,704	9.60	1,740
2014	30,663.56	6,820	8,788	18,809	10.54	1,785
2015	74,202.77	11,878	15,306	51,476	11.51	4,472
2017	94,850.63	3,048	3,928	81,438	13.50	6,032
	2,128,883.74	1,090,533	1,386,000	529,995		70,298

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 7.5 3.30



#### ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
• •	, ,	, ,	(4)	(5)	(0)	( / )
	OR CURVE IOWA					
NET SAI	LVAGE PERCENT	+10				
1988	66,958.47	52,682	60,263			
1994	48,324.96	33,489	42,689	803	4.37	184
1995	46,530.63	31,452	40,092	1,786	4.73	378
1996	44,350.51	29,201	37,223	2,692	5.10	528
1997	152,740.69	97,746	124,598	12,869	5.49	2,344
1998	40,936.10	25,421	32,404	4,438	5.89	753
2001	48,323.20	27,010	34,430	9,061	7.20	1,258
2002	309,216.59	165,953	211,542	66,753	7.67	8,703
2003	8,391.10	4,309	5,493	2,059	8.16	252
2004	276,751.05	135,288	172,453	76,623	8.68	8,828
2005	895,080.03	414,660	528,572	277,000	9.22	30,043
2006	269,126.02	117,411	149,665	92,548	9.79	9,453
2007	429,535.82	175,184	223,310	163,272	10.39	15,714
2008	118,771.12	44,895	57,228	49,666	11.02	4,507
2009	331,799.41	114,891	146,453	152,166	11.69	13,017
2011	630,302.82	174,958	223,021	344,252	13.14	26,199
2012	366,433.25	88,001	112,176	217,614	13.93	15,622
2013	190,872.75	38,336	48,868	122,917	14.76	8,328
2014	229,502.88	36,527	46,561	159,992	15.64	10,230
2015	82,466.75	9,531	12,150	62,070	16.56	3,748
2017	370,216.15	8,770	11,179	322,016	18.50	17,406
	4,956,630.30	1,825,715	2,320,370	2,140,597		177,495

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 12.1 3.58



#### ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	R CURVE IOWA	33-S0.5				
NET SAL	VAGE PERCENT	+10				
1954	4,417.09	3,868	3,975			
1957	3,975.06	3,369	3,578			
1964	943.16	739	849			
1978	14,531.94	9,417	12,039	1,040	9.24	113
1991	22,371.77	11,111	14,205	5,930	14.79	401
1992	65,671.63	31,755	40,597	18,507	15.27	1,212
1993	64,097.32	30,120	38,507	19,181	15.77	1,216
1994	14,599.00	6,657	8,511	4,628	16.28	284
1995	26,098.60	11,538	14,751	8,738	16.79	520
1996	6,037.46	2,580	3,298	2,136	17.33	123
1997	26,732.90	11,031	14,103	9,957	17.87	557
2000	28,515.91	10,437	13,343	12,321	19.58	629
2002	17,408.54	5,792	7,405	8,263	20.80	397
2003	8,612.22	2,718	3,475	4,276	21.43	200
2004	17,246.73	5,136	6,566	8,956	22.08	406
2005	33,812.86	9,452	12,084	18,348	22.75	807
2006	146,648.31	38,236	48,883	83,100	23.44	3,545
2007	41,681.77	10,060	12,861	24,653	24.15	1,021
2009	8,343.17	1,677	2,144	5,365	25.63	209
2010	71,986.39	12,958	16,566	48,222	26.40	1,827
2011	100,294.63	15,865	20,282	69,983	27.20	2,573
2012	31,818.65	4,330	5,536	23,101	28.01	825
	755,845.11	238,846	303,558	376,703		16,865

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 22.3 2.23



#### ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	R CURVE IOWA	10-S2.5				
NET SAL	VAGE PERCENT	+10				
1998	49,439.01	44,095	44,495			
2002	247,185.50	203,780	222,467			
2005	179,589.68	137,709	161,631			
2009	115,114.18	73,454	100,474	3,129	2.91	1,075
2011	914,146.97	487,058	666,223	156,509	4.08	38,360
2015	168,921.06	37,855	51,780	100,249	7.51	13,349
2017	795,773.61	35,810	48,983	667,213	9.50	70,233
	2,470,170.01	1,019,761	1,296,053	927,100		123,017

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 7.5 4.98



#### ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	15-L1.5				
NET SALV	AGE PERCENT	+15				
1986	49,208.02	34,410	41,827			
1990	27,956.42	18,361	23,349	414	3.41	121
1993	292,983.12	181,796	231,186	17,850	4.05	4,407
1994	34,062.84	20,692	26,314	2,639	4.28	617
1996	186,510.76	108,227	137,630	20,904	4.76	4,392
1998	67,199.01	37,089	47,165	9,954	5.26	1,892
2001	57,408.04	29,148	37,067	11,730	6.04	1,942
2002	825,280.08	406,393	516,802	184,686	6.31	29,269
2004	611,524.90	282,421	359,149	160,647	6.85	23,452
2005	636,318.70	283,416	360,414	180,457	7.14	25,274
2006	698,360.95	298,780	379,952	213,655	7.45	28,679
2007	182,101.93	74,401	94,614	60,173	7.79	7,724
2008	221,586.80	85,637	108,903	79,446	8.18	9,712
2009	948,199.70	343,343	436,622	369,348	8.61	42,898
2010	316,342.10	105,585	134,270	134,621	9.11	14,777
2011	751,989.19	226,274	287,748	351,443	9.69	36,269
2015	397,366.98	52,242	66,436	271,326	12.68	21,398
2017	697,090.50	18,961	24,112	568,415	14.52	39,147
	7,001,490.04	2,607,176	3,313,560	2,637,707		291,970

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 9.0 4.17



### **WYOMING PROPERTY**



#### ACCOUNT 360.2 LAND RIGHTS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CIIDVIIV	OR CURVE IOWA	50-94				
	LVAGE PERCENT					
1121 011						
1965	25,634.18	22,497	25,485	149	6.12	24
1967	5,934.38	5,126	5,807	127	6.81	19
1968	8,678.11	7,432	8,419	259	7.18	36
1969	14,613.36	12,398	14,044	569	7.58	75
1970	17,071.95	14,340	16,244	828	8.00	104
1971	30,680.30	25,495	28,881	1,799	8.45	213
1972	19,242.45	15,806	17,905	1,337	8.93	150
1973	39,363.50	31,940	36,182	3,182	9.43	337
1974	36,608.95	29,309	33,201	3,408	9.97	342
1975	69,215.67	54,639	61,895	7,321	10.53	695
1976	18,362.77	14,275	16,171	2,192	11.13	197
1977	45,654.76	34,917	39,554	6,101	11.76	519
1978	44,339.24	33,325	37,751	6,588	12.42	530
1979	34,880.88	25,735	29,153	5,728	13.11	437
1980	42,295.42	30,588	34,650	7,645	13.84	552
1981	113,099.55	80,074	90,708	22,392	14.60	1,534
1982	83,419.14	57,743	65,411	18,008	15.39	1,170
1983	100,055.67	67,618	76,598	23,458	16.21	1,447
1984	2,781.20	1,832	2,075	706	17.06	41
1986	720,909.54	449,559	509,259	211,651	18.82	11,246
1987	99,892.60	60,455	68,483	31,410	19.74	1,591
1988	28,356.87	16,634	18,843	9,514	20.67	460
1989	12,381.91	7,028	7,961	4,421	21.62	204
1990	11,020.01	6,043	6,846	4,174	22.58	185
1991	18,692.79	9,885	11,198	7,495	23.56	318
1992	5,677.71	2,891	3,275	2,403	24.54	98
1993	13,445.39	6,583	7,457	5,988	25.52	235
1994	1,311,633.71	616,206	698,037	613,597	26.51	23,146
1995	13,398.73	6,027	6,827	6,572	27.51	239
1996	6,499.49	2,795	3,166	3,333	28.50	117
1997	67,591.67	27,713	31,393	36,199	29.50	1,227
1998	70,409.50	27,460	31,107	39,302	30.50	1,289
2000	4,509.86	1,578	1,788	2,722	32.50	84
2002	11,903.56	3,690	4,180	7,724	34.50	224
2008	439,594.28	83,523	94,615	344,979	40.50	8,518
2009	137,617.08	23,395	26,502	111,115	41.50	2,677
2010	68,638.41	10,296	11,663	56,975	42.50	1,341
2011	600,683.64	78,089	88,459	512,225	43.50	11,775
2012	375,045.59	41,255	46,734	328,312	44.50	7,378
2013	205,921.50	18,533	20,994	184,928	45.50	4,064



#### ACCOUNT 360.2 LAND RIGHTS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA ALVAGE PERCENT	50-S4 0				
2014	225,375.19	15,776	17,871	207,504	46.50	4,462
2015	372,078.64	18,604	21,074	351,005	47.50	7,390
2016	298,659.41	8,960	10,150	288,509	48.50	5,949
	5,871,868.56	2,108,067	2,388,016	3,483,853		102,639
	COMPOSITE REMAIN	TNG LIFE AND	ANNIJAT, ACCRIJAT,	RATE, PERCENT	1 33.9	1.75



#### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
1929	640.70	619	701	4	7.87	1
1930	582.59	561	636	5	8.11	1
1946	673.84	595	674	67	12.83	5
1948	147.78	129	146	17	13.60	1
1949	352.23	304	344	43	14.01	3
1950	1,409.27	1,206	1,366	184	14.43	13
1954	721.39	595	674	120	16.24	7
1956	8,946.17	7,234	8,195	1,646	17.22	96
1957	53,415.58	42,730	48,404	10,353	17.73	584
1958 1959	990.83 30,366.55	784 23,742	888 26,895	202 6,508	18.26 18.80	11 346
1960	4,367.05	3,374	3,822	982	19.35	51
1961	21,491.94	16,400	18,578	5,063	19.91	254
1962	16,375.79	12,338	13,976	4,037	20.48	197
1963	1,526.91	1,135	1,286	394	21.07	19
1964	2,190.79	1,606	1,819	591	21.67	27
1965	33,303.52	24,077	27,274	9,360	22.28	420
1966	2,578.89	1,837	2,081	756	22.90	33
1967	471.98	331	375	144	23.53	6
1969	1,873.86	1,274	1,443	618	24.82	25
1970	256.08	171	194	88	25.48	3
1971	29,464.66	19,367	21,939	10,472	26.16	400
1972	69,390.20	44,811	50,762	25,567	26.84	953
1973	2,763.66	1,752	1,985	1,055	27.53	38
1974	26,479.05	16,481	18,670	10,457	28.22	371
1975	51,190.61	31,247	35,397	20,913	28.93	723
1976	25,316.80	15,150	17,162	10,686	29.64	361
1977 1978	74,905.11 16,849.72	43,898	49,728	32,668	30.37	1,076 244
1978	7,193.54	9,667 4,037	10,951 4,573	7,584 3,340	31.10 31.84	105
1980	376,591.07	206,553	233,983	180,267	32.59	5,531
1981	320,613.46	171,781	194,593	158,082	33.34	4,742
1982	206,658.39	108,065	122,416	104,908	34.10	3,076
1983	12,158.90	6,200	7,023	6,352	34.87	182
1984	10,283.26	5,108	5,786	5,526	35.65	155
1985	5,339.98	2,581	2,924	2,950	36.44	81
1986	89,379.44	42,004	47,582	50,735	37.23	1,363
1987	32,752.31	14,954	16,940	19,088	38.02	502
1988	195,415.42	86,546	98,039	116,918	38.83	3,011
1989	225,472.51	96,765	109,615	138,405	39.64	3,492
1990	27,910.75	11,591	13,130	17,572	40.46	434



#### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	JOR CURVE IOWA	65-R2.5				
NET SA	ALVAGE PERCENT	-10				
1991	90,312.84	36,253	41,067	58,277	41.28	1,412
1992	516,230.44	199,970	226,526	341,327	42.11	8,106
1993	874,161.45	326,196	369,515	592,063	42.95	13,785
1994	460,746.40	165,381	187,343	319,478	43.79	7,296
1995	494,376.14	170,339	192,960	350,854	44.64	7,860
1996	70,401.19	23,232	26,317	51,124	45.50	1,124
1997	14,640.51	4,618	5,231	10,874	46.36	235
1998	115,931.50	34,883	39,515	88,010	47.22	1,864
1999	94,890.81	27,139	30,743	73,637	48.10	1,531
2000	320,876.17	87,048	98,608	254,356	48.97	5,194
2001	3,444.39	883	1,000	2,789	49.85	56
2002	28,221.32	6,810	7,714	23,329	50.74	460
2003	13,054.09	2,954	3,346	11,013	51.63	213
2004	10,937.27	2,308	2,615	9,416	52.53	179
2005	38,266.19	7,493	8,488	33,605	53.43	629
2006	8,763.54	1,582	1,792	7,848	54.33	144
2007	1,805,833.48	298,260	337,869	1,648,548	55.24	29,843
2008	1,477,613.41	221,295	250,683	1,374,692	56.15	24,482
2009	58,796.61	7,891	8,939	55,737	57.07	977
2010	2,535,575.64	300,808	340,756	2,448,377	57.99	42,221
2011	1,707,276.82	175,950	199,316	1,678,689	58.91	28,496
2012	84,752.19	7,400	8,383	84,844	59.84	1,418
2013	778,692.58	55,745	63,148	793,414	60.77	13,056
2014	1,319,111.07	73,451	83,205	1,367,817	61.71	22,165
2015	1,563,404.32	62,444	70,736	1,649,009	62.64	26,325
2016	502,418.62	12,076	13,680	538,980	63.58	8,477
2017	28,264.50	225	255	30,836	64.53	478
2 U 1 /	20,204.30	223	233	30,030	01.00	170
	17,005,806.07	3,392,234	3,842,719	14,863,668		276,969

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 53.7 1.63



### ACCOUNT 362 STATION EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
	AGE PERCENT					
1918	349.55	359	385			
1920	119.30	121	131			
1922	1,994.76	2,002	2,194			
1923	681.45	680	750			
1926	3,091.38	3,028	3,401			
1928	567.01	548	621	3	6.64	_
1929	692.90	666	754	8	6.96	1
1930	810.67	774	877	15	7.28	2
1932	17,901.78	16,853	19,091	601	7.93	76
1935	25.57	24	27	1	8.93	
1936	43.89	40 10,497	45	3	9.28 9.98	93
1938 1939	11,658.13 6,472.10	5,781	11,891 6,549	933 570	10.34	55 55
1939	7,030.45	6,229	7,056	677	10.34	63
1940	7,030.43	622	7,036	73	11.06	7
1941	125.70	110	125	13	11.44	1
1942	70.88	61	69	9	11.44	1
1944	17,303.42	14,815	16,782	2,252	12.19	185
1945	1,214.77	1,031	1,168	168	12.58	13
1946	451.35	379	429	67	12.97	5
1947	12,752.59	10,618	12,028	2,000	13.37	150
1948	12,941.25	10,671	12,088	2,147	13.77	156
1949	30,692.39	25,063	28,391	5,371	14.17	379
1950	4,717.67	3,814	4,321	868	14.58	60
1951	4,255.27	3,404	3,856	825	15.00	55
1952	40,623.38	32,158	36,429	8,257	15.42	535
1953	119,002.21	93,179	105,553	25,349	15.85	1,599
1954	40,879.66	31,657	35,861	9,107	16.28	559
1955	22,406.70	17,155	19,433	5,214	16.72	312
1956	162,582.67	123,010	139,346	39,495	17.17	2,300
1957	528,414.74	395,045	447,508	133,748	17.62	7,591
1958	240,379.45	177,543	201,121	63,296	18.07	3,503
1959	198,709.69	144,939	164,187	54,394	18.53	2,935
1960	310,666.70	223,682	253,388	88,345	19.00	4,650
1961	317,719.91	225,709	255,684	93,808	19.48	4,816
1962	278,645.15	195,274	221,207	85,303	19.96	4,274
1963	91,261.81	63,080	71,457	28,931	20.44	1,415
1964	236,547.56	161,182	182,587	77,615	20.93	3,708
1965	843,751.52	566,491	641,723	286,404	21.43	13,365
1966	222,259.49	146,958	166,474	78,011	21.94	3,556
1967	53,557.17	34,866	39,496	19,417	22.45	865



### ACCOUNT 362 STATION EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	OR CURVE IOWA	55-R1				
	LVAGE PERCENT					
1968	139,470.90	89,345	101,210	52,208	22.97	2,273
1969	135,353.54	85,300	96,628	52,261	23.49	2,225
1970	182,041.07	112,792	127,771	72,474	24.02	3,017
1971	588,300.57	358,154	405,718	241,413	24.56	9,830
1972	719,489.91	430,258	487,398	304,041	25.10	12,113
1973	93,117.02	54,660	61,919	40,510	25.65	1,579
1974	397,434.75	228,924	259,326	177,852	26.20	6,788
1975	1,306,482.23	737,636	835,596	601,534	26.77	22,470
1976 1977	463,320.57	256,401	290,452	219,201	27.33	8,021
1977 1978	1,941,913.08 485,847.78	1,052,138	1,191,865 291,806	944,239 242,627	27.91 28.49	33,832
1979	972,852.84	257,596 504,517	571,518	498,620	29.07	8,516 17,152
1980	2,767,969.87	1,402,267	1,588,492	1,456,275	29.67	49,082
1981	3,866,458.58	1,912,366	2,166,334	2,086,770	30.27	68,939
1982	5,747,481.30	2,773,752	3,142,114	3,180,115	30.87	103,016
1983	990,794.41	466,074	527,970	561,904	31.48	17,850
1984	202,350.75	92,676	104,984	117,602	32.10	3,664
1985	55,328.91	24,655	27,929	32,933	32.72	1,007
1986	1,854,105.73	803,202	909,870	1,129,646	33.34	33,883
1987	1,218,632.09	512,552	580,620	759,875	33.97	22,369
1988	1,989,610.84	811,369	919,121	1,269,451	34.61	36,679
1989	5,960,576.83	2,354,422	2,667,096	3,889,539	35.25	110,342
1990	1,020,058.69	389,659	441,407	680,658	35.90	18,960
1991	1,558,575.65	575,107	651,483	1,062,950	36.55	29,082
1992	7,230,153.37	2,573,964	2,915,794	5,037,375	37.20	135,413
1993	9,366,120.86	3,210,744	3,637,140	6,665,593	37.86	176,059
1994	4,635,066.91	1,527,737	1,730,625	3,367,949	38.52	87,434
1995	7,458,129.22	2,358,223	2,671,402	5,532,540	39.19	141,172
1996	763,769.06	231,267	261,980	578,166	39.86	14,505
1997	3,253,230.42	941,482	1,066,514	2,512,039	40.53	61,980
1998	6,263,856.16	1,727,590	1,957,019	4,933,223	41.21	119,709
1999	1,138,874.04	298,846	338,534	914,227	41.88	21,830
2000	2,556,093.38	635,445	719,834	2,091,869	42.57	49,140
2001	627,647.58 1,016,158.77	147,500	167,088 254,624	523,324	43.25 43.94	12,100
2002 2003	283,730.65	224,773 58,847	66,662	863,151	43.94	19,644 5,499
2003	508,780.76	98,500	111,581	245,442 448,078	45.32	9,887
2005	1,310,344.19	235,593	266,880	1,174,499	46.01	25,527
2005	689,059.54	114,248	129,420	628,545	46.71	13,456
2007	4,739,126.59	719,399	814,938	4,398,101	47.41	92,767
2008	9,093,370.06	1,251,239	1,417,407	8,585,300	48.12	178,414
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#### ACCOUNT 362 STATION EQUIPMENT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA ALVAGE PERCENT					
2009	1,797,102.59	221,759	251,209	1,725,604	48.83	35,339
2010	9,291,109.74	1,014,561	1,149,298	9,070,923	49.54	183,103
2011	4,227,890.77	401,633	454,971	4,195,709	50.25	83,497
2012	2,458,948.27	198,184	224,504	2,480,339	50.97	48,663
2013	1,224,885.94	80,842	91,578	1,255,797	51.70	24,290
2014	5,839,175.15	301,307	341,322	6,081,771	52.42	116,020
2015	6,262,769.25	231,748	262,525	6,626,521	53.15	124,676
2016	3,511,143.96	77,940	88,290	3,773,968	53.89	70,031
2017	2,890,387.82	21,398	24,240	3,155,187	54.63	57,756
	136,938,572.31	37,940,709	42,979,194	107,653,236		2,587,885

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 41.6 1.89



### ACCOUNT 364 POLES, TOWERS AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIIBALLAUS	CURVE IOWA	55-P1				
	AGE PERCENT					
1918	18.69	35	37			
1919	93.61	174	187			
1920	137.60	254	275			
1921	133.18	244	266			
1922	265.31	484	531			
1923	376.74	683	753			
1924	359.29	648	719			
1925	544.02	975	1,088			
1926 1927	569.20 425.72	1,014 753	1,138 851			
1927	425.72 805.23	1,416	1,604	6	6.64	1
1929	1,053.60	1,841	2,085	22	6.96	3
1930	1,757.70	3,050	3,455	60	7.28	8
1931	1,435.07	2,474	2,803	67	7.60	9
1932	342.26	586	664	21	7.93	3
1933	276.84	471	534	20	8.26	2
1934	506.98	856	970	44	8.59	5
1935	712.61	1,194	1,353	72	8.93	8
1936	1,297.76	2,158	2,445	151	9.28	16
1937	1,482.78	2,446	2,771	195	9.63	20
1938	1,112.37	1,821	2,063	162	9.98	16
1939	1,890.45	3,070	3,478	303	10.34	29
1940	2,314.98	3,729	4,224	406	10.70	38
1941	2,916.15	4,659	5,278	554	11.06	50
1942	1,744.03	2,763	3,130	358	11.44	31
1943	2,027.23	3,184	3,607	447	11.81	38
1944	2,618.43	4,076	4,617	620	12.19	51
1945	2,795.80	4,313	4,886	706	12.58	56
1946	7,203.64	11,010	12,472	1,935	12.97	149
1947	8,899.92	13,473	15,262	2,538	13.37	190
1948	13,954.30	20,921	23,699	4,210	13.77	306
1949 1950	10,412.94 9,633.55	15,460 14,160	17,513 16,040	3,313 3,227	14.17 14.58	234 221
1951	14,544.44	21,155	23,964	5,125	15.00	342
1952	13,113.86	18,875	21,382	4,846	15.42	314
1953	20,392.90	29,032	32,887	7,899	15.85	498
1954	841,164.76	1,184,360	1,341,644	340,686	16.28	20,927
1955	64,000.39	89,089	100,920	27,081	16.72	1,620
1956	242,595.01	333,723	378,042	107,148	17.17	6,240
1957	205,836.34	279,789	316,945	94,728	17.62	5,376
1958	199,129.67	267,411	302,923	95,336	18.07	5,276
		-	-	-		•



### ACCOUNT 364 POLES, TOWERS AND FIXTURES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	55-R1				
NET SAI	LVAGE PERCENT	-100				
1959	175,334.25	232,525	263,404	87,264	18.53	4,709
1960	421,964.42	552,394	625,752	218,177	19.00	11,483
1961	441,932.79	570,818	646,623	237,243	19.48	12,179
1962	412,742.90	525,909	595,750	229,736	19.96	11,510
1963	379,714.77	477,195	540,567	218,863	20.44	10,708
1964	359,461.56	445,337	504,478	214,445	20.93	10,246
1965	356,287.90	434,928	492,687	219,889	21.43	10,261
1966 1967	338,590.48 285,172.19	407,047 337,541	461,103 382,367	216,078 187,977	21.94 22.45	9,849 8,373
1967	367,529.70	428,069	484,917	250,142	22.45	10,890
1969	368,671.08	422,431	478,530	258,812	23.49	11,018
1970	331,428.93	373,368	422,952	239,906	24.02	9,988
1971	387,126.02	428,510	485,416	288,836	24.56	11,760
1972	422,595.16	459,479	520,498	324,692	25.10	12,936
1973	558,745.16	596,338	675,532	441,958	25.65	17,230
1974	558,779.46	585,199	662,914	454,645	26.20	17,353
1975	669,000.46	686,756	777,958	560,043	26.77	20,921
1976	766,636.15	771,374	873,813	659,459	27.33	24,129
1977	1,069,667.97	1,053,730	1,193,666	945,670	27.91	33,883
1978	1,265,607.79	1,220,046	1,382,069	1,149,147	28.49	40,335
1979	1,222,972.02	1,153,140	1,306,278	1,139,666	29.07	39,204
1980	1,547,113.46	1,425,046	1,614,293	1,479,934	29.67	49,880
1981	1,837,216.45	1,652,172	1,871,582	1,802,851	30.27	59,559
1982	2,135,714.14	1,874,004	2,122,873	2,148,555	30.87	69,600
1983	1,271,438.75	1,087,436	1,231,848	1,311,030	31.48	41,646
1984	1,588,712.74	1,322,953	1,498,642	1,678,783	32.10	52,299
1985	1,713,740.66	1,388,438	1,572,824	1,854,657	32.72	56,683
1986	1,870,444.06	1,473,237	1,668,884	2,072,004	33.34	62,148
1987	1,507,011.47	1,152,442	1,305,487	1,708,536	33.97	50,295
1988	1,246,929.88	924,549	1,047,330	1,446,530	34.61	41,795
1989	1,442,260.03	1,035,802	1,173,357	1,711,163	35.25	48,544
1990	601,787.53	417,966	473,472	730,103	35.90	20,337
1991	1,760,829.75	1,181,341	1,338,224	2,183,436	36.55	59,738
1992	1,852,278.97	1,198,943	1,358,163	2,346,395	37.20	63,075
1993	3,477,138.76	2,167,231	2,455,041	4,499,237	37.86	118,839
1994	5,960,472.89 4,426,859.95	3,571,992	4,046,355 2,882,980	7,874,591	38.52	204,429
1995 1996	4,466,305.93	2,545,002 2,458,880	2,785,421	5,970,740 6,147,191	39.19	152,354 154,220
1996	5,025,846.53	2,456,860	2,765,421	7,056,001	39.86 40.53	174,093
1997	3,697,770.83	1,854,284	2,995,692	5,295,008	40.53	128,488
1999	2,488,241.52	1,187,140	1,344,793	3,631,690	41.88	86,717
エフラフ	2,400,241.32	1,10/,110	1,011,190	3,031,090	11.00	00,717

### ACCOUNT 364 POLES, TOWERS AND FIXTURES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	55-R1				
NET S	ALVAGE PERCENT	-100				
2000	3,653,281.87	1,651,283	1,870,575	5,435,989	42.57	127,695
2001	2,381,995.49	1,017,779	1,152,941	3,611,050	43.25	83,492
2002	2,444,075.82	982,958	1,113,496	3,774,656	43.94	85,905
2003	3,189,277.24	1,202,676	1,362,392	5,016,162	44.63	112,394
2004	3,383,268.86	1,190,911	1,349,065	5,417,473	45.32	119,538
2005	3,625,286.80	1,185,106	1,342,489	5,908,085	46.01	128,409
2006	2,156,000.30	649,948	736,262	3,575,739	46.71	76,552
2007	5,183,695.78	1,430,700	1,620,698	8,746,694	47.41	184,490
2008	6,608,366.95	1,653,281	1,872,838	11,343,896	48.12	235,742
2009	6,779,496.03	1,521,048	1,723,044	11,835,948	48.83	242,391
2010	6,931,112.83	1,376,103	1,558,850	12,303,376	49.54	248,352
2011	9,292,397.88	1,604,983	1,818,126	16,766,670	50.25	333,665
2012	7,456,211.32	1,092,633	1,237,735	13,674,688	50.97	268,289
2013	6,879,422.00	825,531	935,162	12,823,682	51.70	248,040
2014	7,608,501.61	713,830	808,627	14,408,376	52.42	274,864
2015	6,335,086.59	426,225	482,828	12,187,345	53.15	229,301
2016	5,495,554.06	221,801	251,256	10,739,852	53.89	199,292
2017	4,806,222.32	64,692	73,284	9,539,161	54.63	174,614
	156,968,224.56	65,884,809	74,634,242	239,302,208		5,448,806

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 43.9 3.47



#### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

VEAD	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR (1)	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL (7)
( 1 )	(2)	(3)	( 4 )	(3)	(0)	( / )
	R CURVE IOWA					
NET SALV	VAGE PERCENT	-50				
1914	18.30	24	27			
1915	41.17	54	61	1	7.99	
1916	107.85	139	157	5	8.40	1
1917	127.75	164	186	6	8.80	1
1918	112.34	143	162	7	9.21	1
1919	230.41	290	329	17	9.61	2
1920	243.32	304	344	21	10.01	2
1921	193.50	240	272	18	10.41	2
1922	341.20	420	476	36	10.81	3
1923	442.33	540	612	51	11.20	5
1924	394.44	477	540	52	11.60	4
1925	590.49	709	803	83	11.99	7
1926	589.48	702	795	89	12.39	7
1927	428.14	505	572	70	12.79	5
1928	764.18	894	1,013	133	13.18	10
1929	1,024.36	1,189	1,347	190	13.58	14
1930	1,650.89	1,899	2,151	325	13.98	23
1931 1932	1,276.05	1,455 362	1,648	266	14.38	18
1932	320.55	276	410 313	71	14.78 15.18	5 4
1933	246.28 425.82	473	536	56 103	15.16	7
1934	589.02	648	734	103 150	15.59	9
1936	1,059.96	1,155	1,308	282	16.40	17
1937	1,705.81	1,842	2,087	472	16.81	28
1938	1,235.96	1,322	1,498	356	17.23	21
1939	1,881.76	1,993	2,258	565	17.64	32
1940	1,901.76	1,994	2,259	594	18.06	33
1941	2,618.05	2,718	3,079	848	18.48	46
1942	1,176.18	1,208	1,368	396	18.91	21
1943	1,320.79	1,343	1,521	460	19.34	24
1944	1,641.84	1,651	1,870	593	19.77	30
1945	1,902.08	1,893	2,144	709	20.20	35
1946	5,404.66	5,320	6,026	2,081	20.63	101
1947	8,220.14	8,000	9,062	3,268	21.07	155
1948	10,121.02	9,736	11,029	4,153	21.52	193
1949	7,961.94	7,572	8,578	3,365	21.96	153
1950	7,148.49	6,718	7,610	3,113	22.41	139
1951	10,667.49	9,902	11,217	4,784	22.87	209
1952	7,987.03	7,324	8,297	3,684	23.32	158
1953	15,915.65	14,408	16,321	7,552	23.79	317
1954	1,560,581.26	1,394,762	1,579,985	760,887	24.25	31,377



#### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	60-R0.5				
NET SAI	LVAGE PERCENT	-50				
1955	64,715.34	57,079	64,659	32,414	24.72	1,311
1956	270,358.02	235,280	266,525	139,012	25.19	5,519
1957	217,847.34	186,969	211,798	114,973	25.67	4,479
1958	173,863.12	147,133	166,672	94,123	26.15	3,599
1959	164,348.69	137,109	155,317	91,206	26.63	3,425
1960	415,995.21	341,948	387,358	236,635	27.12	8,725
1961	289,090.43	234,090	265,177	168,459	27.61	6,101
1962 1963	381,157.47 292,847.60	303,975 229,884	344,343 260,412	227,393 178,859	28.10 28.60	8,092
1963	336,883.03	260,242	294,802	210,523	29.10	6,254 7,234
1965	337,946.51	256,755	290,852	216,068	29.61	7,234
1966	267,269.06	199,650	226,163	174,741	30.12	5,801
1967	288,426.70	211,704	239,818	192,822	30.64	6,293
1968	367,370.91	264,964	300,151	250,905	31.15	8,055
1969	337,685.11	239,081	270,831	235,697	31.68	7,440
1970	322,049.17	223,823	253,546	229,528	32.20	7,128
1971	421,700.56	287,494	325,673	306,878	32.73	9,376
1972	395,164.89	264,170	299,252	293,495	33.26	8,824
1973	640,059.88	419,242	474,917	485,173	33.80	14,354
1974	687,032.99	440,735	499,264	531,285	34.34	15,471
1975	1,021,091.79	641,251	726,408	805,230	34.88	23,086
1976	958,828.00	588,960	667,173	771,069	35.43	21,763
1977	1,736,019.77	1,042,471	1,180,910	1,423,120	35.98	39,553
1978 1979	1,776,810.66 1,577,469.46	1,042,099	1,180,489 1,023,470	1,484,727 1,342,734	36.54 37.09	40,633
1979	2,840,607.50	903,488 1,587,189	1,797,966	2,462,945	37.65	36,202 65,417
1981	3,686,900.70	2,008,458	2,275,179	3,255,172	38.21	85,192
1982	3,568,576.13	1,893,147	2,144,555	3,208,309	38.78	82,731
1983	2,540,181.15	1,311,381	1,485,531	2,324,741	39.35	59,079
1984	2,557,541.31	1,283,899	1,454,399	2,381,913	39.92	59,667
1985	2,678,446.62	1,306,426	1,479,918	2,537,752	40.49	62,676
1986	2,432,873.09	1,151,357	1,304,256	2,345,054	41.07	57,099
1987	1,847,104.95	847,350	959,877	1,810,780	41.65	43,476
1988	1,454,716.42	646,265	732,088	1,449,987	42.23	34,335
1989	1,614,240.60	693,720	785,845	1,635,516	42.81	38,204
1990	577,476.60	239,656	271,482	594,733	43.40	13,704
1991	2,727,563.68	1,092,389	1,237,457	2,853,889	43.98	64,891
1992	2,646,113.57	1,020,752	1,156,307	2,812,863	44.57	63,111
1993	3,682,205.41	1,366,080	1,547,494	3,975,814	45.16	88,038
1994	3,611,125.85	1,286,464	1,457,305	3,959,384	45.75	86,544
1995	2,888,417.71	985,673	1,116,570	3,216,057	46.35	69,386

#### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	60-R0.5				
NET S	ALVAGE PERCENT	-50				
1996	2,811,463.29	917,957	1,039,861	3,177,334	46.94	67,689
1997	3,577,714.83	1,114,476	1,262,477	4,104,095	47.54	86,329
1998	2,124,026.92	630,294	713,997	2,472,043	48.13	51,362
1999	1,136,587.99	320,228	362,754	1,342,128	48.73	27,542
2000	2,088,269.00	557,035	631,009	2,501,394	49.33	50,707
2001	1,067,964.81	268,855	304,559	1,297,388	49.93	25,984
2002	1,221,654.19	289,221	327,629	1,504,852	50.53	29,781
2003	1,178,564.22	261,341	296,047	1,471,799	51.13	28,785
2004	1,941,534.26	401,403	454,709	2,457,592	51.73	47,508
2005	1,935,513.97	370,661	419,884	2,483,387	52.34	47,447
2006	1,115,693.07	196,925	223,076	1,450,464	52.94	27,398
2007	5,350,041.19	862,694	977,259	7,047,803	53.55	131,612
2008	2,574,407.46	375,851	425,764	3,435,847	54.16	63,439
2009	1,250,551.54	163,516	185,231	1,690,596	54.77	30,867
2010	3,665,138.79	423,324	479,541	5,018,167	55.38	90,613
2011	3,557,967.33	356,668	404,033	4,932,918	55.99	88,104
2012	3,765,907.81	320,121	362,633	5,286,229	56.60	93,396
2013	3,326,323.47	231,163	261,861	4,727,624	57.22	82,622
2014	3,803,260.00	206,346	233,749	5,471,141	57.83	94,607
2015	2,432,186.48	94,235	106,749	3,541,531	58.45	60,591
2016	1,883,538.35	43,792	49,607	2,775,701	59.07	46,990
2017	2,277,665.76	17,663	20,009	3,396,490	59.69	56,902
	110,842,707.65	37,796,339	42,815,652	123,448,409		2,643,059

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 46.7 2.38



#### ACCOUNT 366 UNDERGOUND CONDUIT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
1912	15.50	21	21			
1915	1.84	2	2			
1916	2.96	4	4			
1917	3.00	4	4			
1918	0.49	1	1			
1919	1.49	2	2			
1920	0.74	1	1			
1921	2.19	3	3			
1922	4.27	6	6			
1923	8.50	11 31	11			
1924 1925	23.24	10	31 10			
1925	7.48 3.35	5	5			
1927	2.44	3	3			
1928	13.53	18	18			
1929	10.05	14	14			
1930	32.98	45	45			
1931	19.13	26	26			
1932	3.10	4	4			
1933	0.93	1	1			
1934	0.74	1	1			
1935	2.44	3	3			
1936	8.36	11	11			
1937	26.74	35	36			
1938	17.35	23	23			
1939	12.08	16	16			
1940	3.38	4	5			
1941	1.37	2	2			
1942	1.07	1	1			
1943	10.08	13	14			
1944	10.23	13	14			
1945	1.55	2	2			
1946	38.32	48	52			
1948	199.97	248	270 172			
1949 1950	127.40 548.69	157 674	172 741			
1950	124.87	153	169			
1951	233.86	284	316			
1952	187.85	227	254			
1954	493.19	593	666			
1955	1,466.60	1,753	1,980			
	,	= ,	= ,			



#### ACCOUNT 366 UNDERGOUND CONDUIT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
	AGE PERCENT					
1956	678.64	806	913	3	5.39	1
1957	821.60	970	1,099	10	5.63	2
1958	820.90	963	1,091	17	5.88	3
1959	242.20	282	319	8	6.13	1
1960	1,294.31	1,499	1,698	49	6.39	8
1961	853.54	982	1,112	40	6.66	6
1962	1,509.95	1,725	1,954	84	6.93	12
1963	2,255.18	2,556	2,895	149	7.22	21
1964	5,215.14	5,864	6,643	397	7.52	53 36
1965 1966	3,190.80 8,622.86	3,557 9,527	4,029 10,792	279 849	7.84 8.17	104
1966	5,555.19	6,080	6,887	613	8.52	72
1968	5,335.19	5,641	6,390	638	8.88	72
1969	10,065.53	10,792	12,225	1,363	9.26	147
1970	16,110.36	17,075	19,343	2,406	9.67	249
1971	27,665.65	28,974	32,822	4,527	10.09	449
1972	44,310.42	45,821	51,906	7,913	10.53	751
1973	49,493.52	50,513	57,222	9,594	10.98	874
1974	62,676.67	63,065	71,441	13,173	11.46	1,149
1975	65,131.78	64,558	73,132	14,796	11.96	1,237
1976	92,494.30	90,238	102,223	22,644	12.48	1,814
1977	184,981.20	177,527	201,104	48,621	13.01	3,737
1978	231,418.79	218,203	247,183	65,232	13.57	4,807
1979	265,458.83	245,763	278,403	79,966	14.14	5,655
1980	311,048.18	282,464	319,978	99,937	14.73	6,785
1981	312,276.57	277,956	314,871	106,702	15.33	6,960
1982	580,847.50	506,212	573,442	210,702	15.95	13,210
1983	279,979.79	238,626	270,318	107,655	16.59	6,489
1984	262,859.55	218,910	247,983	106,877	17.24	6,199
1985	234,731.83	190,836	216,181	100,707	17.90	5,626
1986	236,743.25	187,642	212,563	107,040	18.58	5,761
1987	150,294.98	116,013	131,421	71,477	19.27	3,709
1988	123,218.80	92,525	104,813	61,532	19.97	3,081
1989	153,190.34	111,721	126,559	80,248		3,879
1990	101,792.29	72,008	81,571	55,849	21.42	2,607
1991	267,705.45	183,433	207,795	153,607	22.16	6,932
1992	294,933.22	195,453	221,411	176,749	22.91	7,715
1993 1994	655,013.14 1,332,089.75	419,143 821,635	474,809 930,756	409,459 867,565	23.67 24.44	17,299
1994	428,093.49	254,033	287,771	290,155	25.22	35,498 11,505
1996	590,299.62	336,118	380,758	416,146	26.02	15,993
100	370,277.02	550,110	500,750	410,140	20.02	10,093



#### ACCOUNT 366 UNDERGOUND CONDUIT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	45-R2.5				
NET SA	ALVAGE PERCENT	-35				
1997	649,373.83	354,168	401,205	475,450	26.82	17,727
1998	585,158.63	304,926	345,423	444,541	27.63	16,089
1999	361,842.92	179,656	203,516	284,972	28.45	10,017
2000	333,731.11	157,386	178,288	272,249	29.28	9,298
2001	352,334.79	157,284	178,173	297,479	30.12	9,876
2002	410,314.36	172,703	195,640	358,284	30.97	11,569
2003	376,683.85	148,829	168,595	339,928	31.83	10,679
2004	622,687.39	229,962	260,503	580,125	32.69	17,746
2005	703,407.08	241,198	273,232	676,368	33.57	20,148
2006	561,476.67	177,704	201,305	556,689	34.45	16,159
2007	693,745.92	201,257	227,986	708,571	35.33	20,056
2008	755,417.66	198,752	225,148	794,666	36.23	21,934
2009	779,255.53	183,983	208,418	843,577	37.13	22,720
2010	1,258,096.60	263,070	298,008	1,400,422	38.03	36,824
2011	2,205,114.18	400,215	453,368	2,523,536	38.95	64,789
2012	1,641,283.11	253,081	286,693	1,929,039	39.86	48,395
2013	2,109,653.56	266,462	301,851	2,546,181	40.79	62,422
2014	2,026,899.72	200,052	226,621	2,509,694	41.71	60,170
2015	1,345,924.05	94,884	107,486	1,709,511	42.65	40,082
2016	1,369,734.94	57,934	65,628	1,783,514	43.59	40,916
2017	1,178,575.00	16,611	18,817	1,572,259	44.53	35,308
	27,725,575.31	9,822,299	11,126,690	26,302,837		773,432
	21,123,313.31	7,022,277	11,120,090	20,302,037		, , , , , ,

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 34.0 2.79



#### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	45-R3				
NET SALV	AGE PERCENT	-30				
1927	0.08					
1928	1.02	1	1			
1929	1.35	2	2			
1930	5.99	8	8			
1931	5.55	7	7			
1932	1.17	2 1	2			
1933 1934	0.45 0.45	1	1 1			
1934	1.71	2	2			
1935	13.51	18	18			
1937	22.71	30	30			
1938	12.56	16	16			
1939	13.25	17	17			
1940	27.52	36	36			
1941	6.37	8	8			
1942	9.48	12	12			
1943	22.26	29	29			
1944	5.87	8	8			
1945	0.86	1	1			
1946	30.54	39	40			
1947	31.50	40	41			
1948	196.87	247	256			
1949	136.82	171	178			
1950	206.59	256	269			
1951	244.98	302	318			
1952	268.65	329	349			
1953	745.19	908	969			
1954	1,531.24	1,854	1,991			
1955	2,005.51	2,413	2,607			
1956	5,254.78	6,285	6,831			
1957	3,988.02	4,740	5,184			
1958 1959	4,625.02 2,868.44	5,462 3,366	6,013 3,729			
1960	4,285.76	4,996	5,571			
1961	6,301.79	7,297	8,192			
1962	2,970.71	3,415	3,862			
1963	3,299.46	3,765	4,265	24	5.50	4
1964	13,255.10	15,011	17,005	227	5.80	39
1965	10,958.30	12,308	13,943	303	6.12	50
1966	11,322.43	12,606	14,281	438	6.46	68
1967	18,133.34	20,006	22,664	909	6.81	133
		•	•			



#### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	45-R3				
NET SA	LVAGE PERCENT	-30				
1968	21,328.62	23,303	26,399	1,328	7.18	185
1969	18,823.27	20,359	23,064	1,406	7.56	186
1970 1971	42,199.10 64,984.66	45,143 68,710	51,140 77,838	3,719 6,642	7.97 8.40	467 791
1972	113,651.59	118,690	134,457	13,290	8.85	1,502
1973	213,055.05	219,608	248,782	28,190	9.32	3,025
1974	275,268.46	279,838	317,013	40,836	9.81	4,163
1975	429,227.16	430,030	487,158	70,837	10.32	6,864
1976	561,416.39	553,869	627,448	102,393	10.85	9,437
1977	769,973.97	747,161	846,418	154,548	11.41	13,545
1978	898,268.55	856,871	970,703	197,046	11.98	16,448
1979	953,382.38	893,196	1,011,853	227,544	12.57	18,102
1980	1,311,786.71	1,205,476	1,365,618	339,705	13.19	25,755
1981	1,208,018.91	1,088,131	1,232,685	337,740	13.82	24,438
1982	1,361,008.70	1,200,779	1,360,297	409,014	14.46	28,286
1983	737,875.96	636,723	721,309	237,930	15.13	15,726
1984	1,031,313.40	869,677	985,210	355,497	15.81	22,486
1985 1986	997,375.41 1,335,534.23	820,883 1,071,805	929,934 1,214,190	366,654 522,004	16.51 17.22	22,208 30,314
1987	596,018.26	465,925	527,821	247,003	17.22	13,768
1988	579,561.73	440,674	499,216	254,214	18.68	13,700
1989	734,678.25	542,486	614,553	340,529	19.44	17,517
1990	503,555.29	360,769	408,696	245,926	20.20	12,175
1991	1,191,730.17	826,958	936,816	612,433	20.98	29,191
1992	1,079,436.77	724,395	820,628	582,640	21.77	26,763
1993	1,840,224.82	1,192,414	1,350,821	1,041,471	22.57	46,144
1994	1,658,696.97	1,035,976	1,173,601	982,705	23.38	42,032
1995	1,290,586.82	775,126	878,098	799,665	24.21	33,030
1996	1,828,112.19	1,054,141	1,194,179	1,182,367	25.04	47,219
1997	2,164,650.35	1,195,041	1,353,797	1,460,248	25.89	56,402
1998	1,462,871.37	771,685	874,200	1,027,533	26.74	38,427
1999	770,399.14	387,027	438,442	563,077	27.61	20,394
2000	575,321.47	274,404	310,857	437,061	28.49 29.37	15,341
2001 2002	1,388,750.70 936,570.01	627,061 398,538	710,363 451,482	1,095,013 766,059	30.27	37,283 25,308
2002	1,023,339.38	408,854	463,169	867,172	31.17	27,821
2003	1,531,823.59	571,742	647,696	1,343,675	32.08	41,885
2005	1,740,633.42	603,427	683,590	1,579,233	33.00	47,856
2006	1,815,006.71	580,439	657,548	1,701,961	33.93	50,161
2007	3,146,919.60	921,824	1,044,284	3,046,711	34.86	87,398
2008	2,405,946.87	638,745	723,600	2,404,131	35.81	67,136



#### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
2009	1,583,743.73	377,452	427,595	1,631,272	36.75	44,388
2010	2,137,930.58	450,248	510,061	2,269,249	37.71	60,176
2011	2,535,491.47	463,668	525,264	2,770,875	38.67	71,654
2012	2,770,286.38	429,752	486,843	3,114,529	39.63	78,590
2013	2,570,801.33	326,785	370,197	2,971,845	40.60	73,198
2014	3,027,273.60	299,960	339,808	3,595,648	41.57	86,496
2015	1,735,248.48	122,807	139,122	2,116,701	42.55	49,746
2016	1,863,546.54	79,147	89,661	2,332,950	43.53	53,594
2017	1,363,882.56	19,308	21,873	1,751,174	44.51	39,343
	62,290,344.27	28,623,045	32,424,154	48,553,294		1,598,267

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 30.4 2.57



#### ACCOUNT 368 LINE TRANSFORMERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
NET SALV	AGE PERCENT	-30				
1921	405.19	527	527			
1923	136.96	178	178			
1925	510.92	664	664			
1926	901.12	1,171	1,171			
1928	2,623.45	3,410	3,410			
1929	832.28	1,082	1,082			
1930	1,601.17	2,082	2,082			
1931 1933	802.70 646.51	1,044 840	1,044 840			
1934	934.08	1,214	1,214			
1935	511.44	665	665			
1936	1,126.69	1,465	1,465			
1937	1,964.63	2,554	2,554			
1938	920.91	1,188	1,197			
1939	1,360.75	1,741	1,769			
1940	1,802.66	2,287	2,343			
1941	443.02	557	576			
1943	161.09	199	209			
1944	2,196.90	2,692	2,856			
1945 1946	1,249.96 2,362.63	1,520 2,854	1,625 3,071			
1947	2,302.03	2,777	3,008			
1951	1,062.86	1,244	1,382			
1952	6,838.75	7,952	8,890			
1953	8,370.10	9,665	10,881			
1954	26,844.22	30,771	34,860	37	4.73	8
1955	2,188.15	2,490	2,821	24	4.99	5
1956	727.19	821	930	15	5.26	3
1957	747.26	837	948	23	5.54	4
1958	823.67	915	1,037	34	5.82	6
1959 1960	11,741.61 19,377.14	12,936 21,160	14,655	609 1,218	6.10 6.40	100 190
1961	8,100.74	8,770	23,972 9,935	596	6.69	89
1962	31,718.48	34,018	38,538	2,696	7.00	385
1963	14,095.69	14,976	16,966	1,358	7.31	186
1964	28,329.57	29,813	33,774	3,054	7.62	401
1965	29,042.41	30,251	34,271	3,484	7.95	438
1966	24,642.81	25,404	28,780	3,256	8.28	393
1967	78,487.20	80,045	90,681	11,352	8.62	1,317
1968	125,940.15	127,007	143,883	19,839	8.97	2,212
1969	103,557.31	103,223	116,939	17,686	9.33	1,896



#### ACCOUNT 368 LINE TRANSFORMERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
1970	116,334.91	114,561	129,784	21,451	9.70	2,211
1971	159,989.37	155,574	176,246	31,740	10.08	3,149
1972 1973	267,326.46 387,631.45	256,560 366,854	290,651 415,601	56,873 88,320	10.47 10.88	5,432 8,118
1974	513,850.10	479,294	542,981	125,024	11.30	11,064
1975	433,853.07	398,613	451,580	112,429	11.73	9,585
1976	531,004.51	480,280	544,098	146,208	12.17	12,014
1977	746,461.96	663,997	752,227	218,174	12.63	17,274
1978	1,324,936.78	1,158,326	1,312,242	410,176	13.10	31,311
1979	1,717,453.64	1,474,692	1,670,646	562,044	13.58	41,388
1980	1,925,651.26	1,622,794	1,838,427	664,920	14.07	47,258
1981	2,473,488.15	2,043,472	2,315,004	900,531	14.58	61,765
1982	2,283,839.08	1,848,197	2,093,781	875,210	15.10	57,961
1983	1,794,646.09	1,420,821	1,609,616	723,424	15.64	46,255
1984	2,921,276.64	2,260,557	2,560,934	1,236,726	16.19	76,388
1985	2,592,741.72	1,959,140	2,219,466	1,151,098	16.75	68,722
1986	2,031,303.69	1,497,274	1,696,228	944,467	17.32	54,530
1987 1988	1,713,253.79	1,230,545	1,394,057	833,173	17.90	46,546
1989	1,820,065.71 1,647,271.44	1,271,771 1,118,374	1,440,761 1,266,981	925,324 874,472	18.50 19.11	50,018 45,760
1990	849,992.36	560,230	634,672	470,318	19.72	23,850
1991	1,536,152.28	981,025	1,111,381	885,617	20.35	43,519
1992	1,744,805.59	1,077,985	1,221,225	1,047,022	20.99	49,882
1993	1,707,507.40	1,018,315	1,153,626	1,066,134	21.65	49,244
1994	2,663,041.82	1,531,049	1,734,491	1,727,463	22.31	77,430
1995	2,396,982.97	1,325,891	1,502,072	1,614,006	22.98	70,235
1996	1,725,331.06	916,237	1,037,984	1,204,946	23.66	50,928
1997	1,306,384.99	664,460	752,752	945,548	24.35	38,832
1998	1,102,812.37	536,187	607,434	826,222	25.04	32,996
1999	1,755,180.03	812,868	920,880	1,360,854	25.75	52,849
2000	2,546,780.81	1,120,711	1,269,628	2,041,187	26.46	77,142
2001	2,276,050.07	948,316	1,074,326	1,884,539	27.18	69,336
2002	2,014,927.97	791,716	896,917	1,722,489	27.91	61,716
2003	2,253,801.94	831,371	941,842	1,988,101	28.65	69,393
2004	2,896,897.69	998,923	1,131,657	2,634,310	29.39	89,633
2005	3,585,104.29	1,148,847	1,301,503	3,359,133	30.14	111,451 90,346
2006 2007	2,893,244.54	856,617 1,540,890	970,442	2,790,776 5,635,870	30.89	
2007	5,678,084.33 5,852,088.23	1,441,662	1,745,640 1,633,227	5,035,670	31.65 32.42	178,069 184,284
2009	5,348,758.02	1,183,814	1,341,116	5,612,269	33.19	169,095
2010	4,828,118.90	946,191	1,071,919	5,204,636	33.97	153,213
	_, 020, 110.00	, 10,111	-, -, -, , -,	5,201,050	,	200,210



#### ACCOUNT 368 LINE TRANSFORMERS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA BALVAGE PERCENT					
2011	6,825,776.86	1,162,430	1,316,891	7,556,619	34.76	217,394
2012	5,732,005.39	828,991	939,145	6,512,462	35.55	183,192
2013	4,846,370.35	576,476	653,077	5,647,204	36.34	155,399
2014	5,702,153.13	528,162	598,343	6,814,456	37.15	183,431
2015	5,168,534.39	344,354	390,111	6,328,984	37.95	166,772
2016	4,661,493.71	186,343	211,104	5,848,838	38.77	150,860
2017	4,359,731.51	58,093	65,812	5,601,839	39.59	141,496
	122,208,936.83	47,314,859	53,598,221	105,273,397		3,646,369
	COMPOSITE REMAIN	ING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	28.9	2.98



### ACCOUNT 369.1 OVERHEAD SERVICES

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	CURVE IOWA					
NEI DALV	AGE TERCENT	33				
1945	6.95	7	8	1	14.08	
1946	19.28	20	23	3	14.45	
1947	59.70	61	69	12	14.83	1
1948	93.64	94	106	20	15.21	1
1949	121.03	121	137	26	15.61	2
1950	196.41	194	220	45	16.01	3
1951	278.08	273	309	66	16.42	4
1952 1953	334.39 595.38	325 573	368 649	83 155	16.84 17.26	5 9
1954	73,617.73	70,066	79,371	20,013	17.20	1,131
1955	25,482.61	24,001	27,188	7,214	18.14	398
1956	45,207.16	42,121	47,715	13,315	18.59	716
1957	44,621.98	41,114	46,574	13,666	19.05	717
1958	64,488.31	58,736	66,536	20,523	19.52	1,051
1959	72,565.02	65,309	73,982	23,981	20.00	1,199
1960	79,949.86	71,073	80,511	27,421	20.49	1,338
1961	77,174.68	67,738	76,734	27,452	20.99	1,308
1962	86,255.85	74,738	84,663	31,782	21.49	1,479
1963	110,219.57	94,237	106,752	42,044	22.00	1,911
1964	113,331.74	95,573	108,265	44,733	22.52	1,986
1965 1966	78,299.06 68,840.53	65,079 56,396	73,721 63,885	31,983 29,050	23.06 23.59	1,387 1,231
1967	73,515.64	59,316	67,193	32,053	24.14	1,328
1968	70,134.01	55,704	63,101	31,580	24.70	1,279
1969	96,210.64	75,203	85,190	44,694	25.26	1,769
1970	82,213.70	63,208	71,602	39,386	25.83	1,525
1971	96,854.86	73,200	82,921	47,833	26.41	1,811
1972	112,549.19	83,568	94,666	57,275	27.00	2,121
1973	120,437.58	87,799	99,459	63,132	27.60	2,287
1974	137,798.12	98,595	111,688	74,339	28.20	2,636
1975	148,365.10	104,118	117,945	82,348	28.81	2,858
1976	167,088.78	114,928	130,190	95,380	29.43	3,241
1977	204,763.60	137,939	156,257	120,174	30.06	3,998
1978 1979	225,677.99 269,455.67	148,829 173,818	168,593 196,901	136,072 166,864	30.69 31.33	4,434 5,326
1980	230,120.26	145,079	164,345	146,317	31.98	4,575
1981	271,837.34	167,405	189,636	177,344	32.63	5,435
1982	296,291.25	178,065	201,712	198,281	33.29	5,956
1983	191,631.08	112,277	127,187	131,515	33.96	3,873
1984	189,695.36	108,282	122,662	133,427	34.63	3,853
1985	249,823.25	138,783	157,213	180,048	35.31	5,099



#### ACCOUNT 369.1 OVERHEAD SERVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			( - /	(3)	(0)	( / /
	JOR CURVE IOWA					
NET SA	ALVAGE PERCENT	-35				
1986	362,581.98	195,794	221,795	267,691	36.00	7,436
1987	120,327.49	63,109	71,490	90,952	36.69	2,479
1988	109,948.77	55,933	63,361	85,070	37.39	2,275
1989	96,223.38	47,436	53,735	76,167	38.09	2,000
1990	125,947.93	60,077	68,055	101,975	38.80	2,628
1991	294,482.89	135,764	153,793	243,759	39.51	6,170
1992	158,797.81	70,637	80,018	134,359	40.23	3,340
1993	263,154.77	112,734	127,705	227,554	40.96	5,556
1994	365,266.71	150,561	170,555	322,555	41.68	7,739
1995	358,723.27	141,893	160,736	323,540	42.42	7,627
1996	578,359.35	219,143	248,245	532,540	43.16	12,339
1997	231,472.29	83,850	94,985	217,503	43.90	4,955
1998	141,378.98	48,828	55,312	135,550	44.65	3,036
1999	609,704.27	200,285	226,883	596,218	45.40	13,133
2000	516,154.01	160,844	182,204	514,604	46.15	11,151
2001	141,335.48	41,627	47,155	143,648	46.91	3,062
2002	494,383.40	137,154	155,368	512,050	47.67	10,742
2003	621,038.33	161,535	182,987	655,415	48.44	13,530
2004	657,124.48	159,530	180,716	706,402	49.21	14,355
2005	1,455,646.90	327,842	371,379	1,593,744	49.99	31,881
2006	727,124.36	151,169	171,244	810,374	50.76	15,965
2007	741,652.05	141,003	159,728	841,502	51.55	16,324
2008	683,925.51	118,025	133,699	789,600	52.33	15,089
2009	609,333.62	94,328	106,855	715,745	53.12	13,474
2010	648,835.17	88,758	100,545	775,382	53.92	14,380
2011	680,069.94	80,792	91,521	826,573	54.72	15,106
2012	664,398.97	66,974	75,868	821,071	55.52	14,789
2013	564,435.75	46,611	52,801	709,187	56.33	12,590
2014	645,175.16	41,520	47,034	823,952	57.14	14,420
2015	648,734.80	29,926	33,900	841,892	57.95	14,528
2016	595,136.74	16,470	18,657	784,778	58.77	13,353
2017	760,753.79	7,015	7,947	1,019,071	59.59	17,101
	19,847,850.73	6,411,132	7,262,523	19,532,075		421,834

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 46.3 2.13



#### ACCOUNT 369.2 UNDERGROUND SERVICES

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	ACCRUAL (7)
( ± /	(2)	(3)	(1)	(3)	(0)	( / )
	CURVE IOWA					
NET SALV	AGE PERCENT	-55				
1946	0.21					
1947	0.48	1	1			
1948	4.37	7	7			
1949	3.72	6	6			
1950	6.10	9	9			
1951	11.04	16	17			
1952	19.17	28	30			
1953	33.53	49	52			
1954	55.37	81	86			
1955 1956	48.62 112.33	71 162	75 174			
1957	151.49	217	235			
1958	152.43	218	236			
1959	95.28	135	148			
1960	372.79	525	578			
1961	271.95	381	422			
1962	675.85	939	1,048			
1963	80.89	112	125			
1964	493.57	675	765			
1965	698.76	948	1,074	9	6.25	1
1966	1,774.95	2,385	2,702	49	6.65	7
1967	8,101.48	10,777	12,208	349	7.09	49
1968	5,742.62	7,557	8,561	340	7.55	45
1969	8,009.11	10,415	11,798	616	8.05	77
1970	8,967.10	11,514	13,043	856	8.58	100
1971	15,497.13	19,630	22,237	1,784	$9.14 \\ 9.74$	195
1972 1973	27,660.44 46,737.75	34,522 57,433	39,107 65,060	3,767 7,384	10.36	387 713
1973	106,758.98	129,072	146,213	19,263	11.00	1,751
1975	140,067.11	166,432	188,535	28,569	11.67	2,448
1976	222,184.54	259,323	293,762	50,624	12.35	4,099
1977	303,027.18	347,196	393,305	76,387	13.04	5,858
1978	374,376.33	420,821	476,708	103,575	13.74	7,538
1979	507,515.69	559,150	633,408	153,241	14.46	10,598
1980	476,929.06	514,511	582,840	156,400	15.20	10,289
1981	491,619.33	518,929	587,845	174,165	15.95	10,919
1982	544,734.86	562,161	636,819	207,520	16.71	12,419
1983	445,830.50	449,312	508,983	182,054	17.49	10,409
1984	322,070.21	316,598	358,644	140,565	18.29	7,685
1985	289,166.59	276,993	313,779	134,429	19.10	7,038
1986	385,301.36	359,286	407,001	190,216	19.92	9,549



#### ACCOUNT 369.2 UNDERGROUND SERVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	50-R4				
NET SA	ALVAGE PERCENT	-55				
1987	168,798.01	153,005	173,325	88,312	20.76	4,254
1988	166,392.64	146,440	165,888	92,021	21.61	4,258
1989	127,346.89	108,642	123,070	74,318	22.48	3,306
1990	117,277.55	96,852	109,714	72,066	23.36	3,085
1991	284,148.50	226,822	256,945	183,485	24.25	7,566
1992	152,962.44	117,835	133,484	103,608	25.15	4,120
1993	342,676.80	254,314	288,088	243,061	26.06	9,327
1994	660,643.47	471,448	534,058	489,939	26.98	18,159
1995	626,028.38	428,698	485,631	484,713	27.91	17,367
1996	1,124,813.03	737,484	835,425	908,035	28.85	31,474
1997	673,918.58	422,217	478,289	566,285	29.79	19,009
1998	489,454.61	292,082	330,872	427,783	30.75	13,912
1999	921,672.75	522,579	591,980	836,613	31.71	26,383
2000	700,380.69	376,266	426,236	659,354	32.67	20,182
2001	784,450.02	397,842	450,677	765,221	33.64	22,747
2002	960,776.99	458,079	518,914	970,290	34.62	28,027
2003	1,551,864.73	692,752	784,753	1,620,637	35.60	45,524
2004	1,926,530.58	801,475	907,915	2,078,207	36.58	56,813
2005	2,171,949.48	837,591	948,827	2,417,695	37.56	64,369
2006	2,078,709.12	737,838	835,826	2,386,173	38.55	61,898
2007	3,298,060.11	1,069,429	1,211,454	3,900,539	39.54	98,648
2008	2,931,291.59	860,539	974,823	3,568,679	40.53	88,050
2009	2,192,833.47	576,452	653,007	2,745,885	41.52	66,134
2010	1,964,306.78	455,483	515,973	2,528,703	42.52	59,471
2011	2,116,139.48	425,746	482,287	2,797,729	43.51	64,301
2012	2,304,246.86	392,160	444,241	3,127,342	44.51	70,262
2013	1,901,721.25	264,701	299,854	2,647,814	45.51	58,181
2014	1,999,765.73	216,975	245,790	2,853,847	46.50	61,373
2015	1,755,517.17	136,053	154,122	2,566,930	47.50	54,041
2016	1,836,820.95	85,412	96,755	2,750,317	48.50	56,708
2017	1,514,569.54	23,476	26,594	2,320,989	49.50	46,889
	44,581,428.46	17,825,284	20,192,463	48,908,751		1,288,012

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 38.0 2.89



### ACCOUNT 370 METERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			( - /	(3)	( 0 )	( , ,
	CURVE IOWA					
NET SALV	AGE PERCENT	-3				
1972	741.04	763	763			
1973	2,448.03	2,521	2,521			
1974	2,911.11	2,998	2,998			
1975	3,516.92	3,622	3,622			
1976	5,359.71	5,521	5,521			
1977	5,289.78	5,448	5,448			
1978	5,202.77	5,359	5,359			
1979	6,803.51	7,008	7,008			
1980	6,339.90	6,442	6,530			
1981	4,857.12	4,900	5,003			
1982	40,408.51	40,476	41,621			
1983	70,234.85	69,882	72,342			
1984	87,508.70	86,438	90,134			
1985 1986	42,300.18	41,456	43,569			
1987	27,975.38 41,220.63	27,187 39,719	28,815 42,457			
1988	1,373.78	1,311	1,415			
1989	26,969.84	25,487	27,779			
1990	114,121.76	106,672	117,545			
1991	19,779.45	18,274	20,373			
1992	103,308.01	94,224	106,407			
1993	19,801.93	17,806	20,293	103	2.54	41
1994	4,178.65	3,699	4,216	88	2.81	31
1996	1,939.93	1,656	1,887	111	3.42	32
1997	94,047.20	78,657	89,642	7,227	3.76	1,922
1998	36,520.31	29,811	33,974	3,642	4.15	878
1999	16,287.06	12,942	14,749	2,027	4.57	444
2000	92,319.06	71,174	81,114	13,975	5.03	2,778
2001	23,574.96	17,544	19,994	4,288	5.55	773
2002	23,175.72	16,578	18,893	4,978	6.11	815
2003	51,054.72	34,891	39,764	12,822	6.73	1,905
2004	93,091.65	60,407	68,843	27,041	7.40	3,654
2005	282,240.76	172,390	196,466 213,767	94,242	8.14	11,578
2006 2007	329,010.71 556,347.55	187,571		125,114 238,994	8.93	14,011 24,462
2007	911,488.09	293,109 438,435	334,044 499,667	439,166	9.77 10.66	41,198
	3,074,792.86	1,333,322	1,519,533	1,647,504	11.58	142,272
	1,487,447.21	571,462	651,272	880,799	12.54	70,239
	5,252,981.93	1,753,025	1,997,852	3,412,719	13.52	252,420
2012	379,884.56	107,407	122,407	268,874	14.51	18,530
2013	354,450.26	82,144	93,616	271,468	15.50	17,514
	,	,	/	, _ 3 3		,



## ACCOUNT 370 METERS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVI	VOR CURVE IOWA	20-S3				
NET S	ALVAGE PERCENT	-3				
2014	452,115.00	81,494	92,876	372,802	16.50	22,594
2015	580,351.20	74,720	85,155	512,607	17.50	29,292
2016	361,931.27	27,959	31,864	340,925	18.50	18,428
2017	417,618.13	10,754	12,256	417,891	19.50	21,430
	15,515,321.70	6,074,665	6,881,374	9,099,407		697,241
	COMPOSITE REMAIN	ING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	г 13.1	4.49



## ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	30-01				
NET SALV	AGE PERCENT	-60				
1962	2,690.65	3,982	4,305			
1963	8,272.76	12,023	13,236			
1964	9,160.61	13,069	14,657	100	2 75	2.0
1965 1966	8,583.55 11,353.92	12,017 15,593	13,625 17,679	109 487	3.75 4.25	29 115
1966	11,884.87	16,005	18,146	870	4.25	183
1968	13,126.89	17,327	19,645	1,358	5.25	259
1969	14,625.72	18,916	21,447	1,954	5.75	340
1970	20,715.89	26,240	29,751	3,394	6.25	543
1971	22,505.35	27,907	31,640	4,369	6.75	647
1972	22,381.74	27,156	30,789	5,022	7.25	693
1973	23,329.12	27,684	31,388	5,939	7.75	766
1974	23,004.45	26,685	30,255	6,552	8.25	794
1975	30,859.87	34,974	39,653	9,723	8.75	1,111
1976	35,288.65	39,053	44,278	12,184	9.25	1,317
1977	34,313.52	37,059	42,017	12,885	9.75	1,322
1978	34,737.69	36,590	41,485	14,095	10.25	1,375
1979	28,136.26	28,887	32,752	12,266	10.75	1,141
1980	24,074.68	24,075	27,296	11,223	11.25	998
1981	42,464.13	41,332	46,861	21,082	11.75	1,794
1982	53,327.79	50,484	57,238	28,086	12.25	2,293
1983	25,710.33	23,654	26,818	14,319	12.75	1,123
1984	14,737.90	13,166	14,927	8,654	13.25	653
1985	10,906.81	9,453	10,718	6,733	13.75	490
1986	24,578.51	20,646	23,408	15,918	14.25	1,117
1987 1988	11,247.88 11,281.49	9,148 8,875	10,372 10,062	7,625 7,988	14.75 15.25	517 524
1989	10,046.42	7,635	8,656	7,988	15.25	471
1990	37,867.87	27,770	31,485	29,104	16.25	1,791
1991	8,906.69	6,294	7,136	7,115	16.75	425
1992	20,141.30	13,696	15,528	16,698	17.25	968
1993	22,349.06	14,601	16,555	19,203	17.75	1,082
1994	13,359.98	8,372	9,492	11,884	18.25	651
1995	8,307.35	4,984	5,651	7,641	18.75	408
1996	9,482.57	5,437	6,164	9,008	19.25	468
1997	6,863.36	3,752	4,254	6,727	19.75	341
1998	7,272.68	3,782	4,288	7,348	20.25	363
1999	4,671.82	2,305	2,613	4,862	20.75	234
2000	9,703.73	4,528	5,134	10,392	21.25	489
2001	4,318.90	1,900	2,154	4,756	21.75	219
2002	11,259.54	4,654	5,277	12,738	22.25	572



### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
NET SALV.	AGE PERCENT	-60				
2003	15,895.76	6,146	6,968	18,465	22.75	812
2004	7,373.23	2,654	3,009	8,788	23.25	378
2005	17,125.01	5,708	6,472	20,928	23.75	881
2006	5,763.41	1,767	2,003	7,218	24.25	298
2007	13,434.83	3,762	4,265	17,231	24.75	696
2008	24,794.68	6,281	7,122	32,549	25.25	1,289
2009	17,951.51	4,069	4,614	24,108	25.75	936
2010	16,362.62	3,273	3,711	22,469	26.25	856
2011	17,324.75	3,003	3,405	24,315	26.75	909
2012	20,702.15	3,036	3,442	29,681	27.25	1,089
2013	15,188.08	1,823	2,067	22,234	27.75	801
2014	21,735.11	2,028	2,299	32,477	28.25	1,150
2015	18,703.99	1,247	1,414	28,512	28.75	992
2016	9,126.09	365	414	14,188	29.25	485
2017	1,707.75	23	26	2,706	29.75	91
	971,041.27	776,895	880,066	673,600		40,289

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 16.7 4.15



## ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
1954	102,042.13	102,064	115,618	32,343	15.51	2,085
1956	3,799.35	3,706	4,198	1,311	16.36	80
1957	709.51	683	774	255	16.80	15
1958	1,185.18	1,126	1,276	443	17.23	26
1959	4,113.43	3,857	4,369	1,595	17.67	90
1960	2,943.20	2,721	3,082	1,186	18.12	65
1961	11,298.69	10,298	11,666	4,717	18.57	254
1962	31,487.63	28,289	32,046	13,611	19.02	716
1963 1964	38,543.39 52,687.03	34,114 45,929	38,644 52,028	17,244 24,368	19.48 19.94	885 1,222
1965	42,351.87	36,355	41,183	20,227	20.40	992
1966	88,423.17	74,697	84,617	43,597	20.40	2,089
1967	31,396.35	26,086	29,550	15,975	21.35	748
1968	36,982.38	30,212	34,224	19,400	21.83	889
1969	33,640.83	27,014	30,601	18,178	22.31	815
1970	17,489.35	13,796	15,628	9,732	22.80	427
1971	18,483.05	14,317	16,218	10,582	23.29	454
1972	17,295.36	13,146	14,892	10,186	23.79	428
1973	43,505.91	32,425	36,731	26,353	24.30	1,084
1974	32,644.79	23,857	27,025	20,310	24.80	819
1975	46,838.07	33,523	37,975	29,940	25.32	1,182
1976	129,256.95	90,600	102,632	84,791	25.83	3,283
1977	179,688.81	123,240	139,606	120,943	26.35	4,590
1978	130,198.52	87,296	98,889	89,899	26.88	3,344
1979	85,115.27	55,760	63,165	60,252	27.41	2,198
1980	153,133.36	97,966	110,976	111,067	27.94	3,975
1981 1982	263,324.93	164,336	186,160	195,661	28.48	6,870
1983	496,891.24 318,002.60	302,319 188,407	342,466 213,427	378,026 247,677	29.02 29.57	13,026 8,376
1984	284,301.95	163,906	185,673	226,565	30.12	7,522
1985	472,996.47	265,010	300,203	385,642	30.68	12,570
1986	310,420.10	168,881	191,308	258,801	31.24	8,284
1987	151,391.75	79,905	90,516	129,002	31.80	4,057
1988	160,250.99	81,978	92,865	139,499	32.36	4,311
1989	104,954.82	51,956	58,856	93,328	32.93	2,834
1990	156,560.73	74,869	84,811	142,202	33.51	4,244
1991	185,057.31	85,437	96,783	171,550	34.08	5,034
1992	226,758.07	100,876	114,272	214,527	34.66	6,189
1993	350,467.95	150,014	169,936	338,243	35.24	9,598
1994	379,639.38	156,115	176,847	373,630	35.82	10,431
1995	172,791.34	68,099	77,142	173,405	36.41	4,763



## ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	OR CURVE IOWA					
INET OF	ALVAGE FERCENI	40				
1996	94,784.91	35,734	40,479	96,959	37.00	2,621
1997	242,892.37	87,415	99,024	253,170	37.59	6,735
1998	175,466.67	60,146	68,133	186,294	38.18	4,879
1999	241,225.60	78,560	88,993	260,784	38.77	6,726
2000	98,411.43	30,366	34,399	108,298	39.36	2,751
2001	197,961.39	57,638	65,292	221,752	39.96	5,549
2002	159,642.79	43,704	49,508	181,974	40.56	4,487
2003	208,515.17	53,455	60,554	241,793	41.16	5,874
2004	250,696.81	59,907	67,862	295,648	41.76	7,080
2005	284,214.03	62,970	71,332	340,778	42.36	8,045
2006	164,644.98	33,614	38,078	200,657	42.96	4,671
2007	477,557.67	89,189	101,033	591,426	43.56	13,577
2008	468,780.79	79,257	89,782	589,950	44.17	13,356
2009	644,078.76	97,501	110,449	823,465	44.78	18,389
2010	281,420.97	37,705	42,712	365,348	45.38	8,051
2011	191,527.66	22,273	25,231	252,484	45.99	5,490
2012	200,522.79	19,713	22,331	268,427	46.61	5,759
2013	318,535.81	25,680	29,090	432,787	47.22	9,165
2014	212,607.53	13,379	15,156	293,125	47.83	6,128
2015	152,208.58	6,842	7,751	212,951	48.45 49.07	4,395
2016 2017	180,320.08 84,888.70	4,863 763	5,509 864	255,955	49.07	5,216
ZU1/	04,000.70	103	004	122,225	47.09	2,460
	10,699,968.70	4,115,859	4,662,440	10,852,515		292,268

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 37.1 2.73



### ACCOUNT 389.2 LAND RIGHTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA VAGE PERCENT	55-R4 0				
1992	1,052.00	478	430	622	30.00	21
1993	416.99	182	164	253	30.93	8
2006	21,908.15	4,565	4,103	17,805	43.54	409
2007	50,937.61	9,696	8,715	42,223	44.53	948
	74,314.75	14,921	13,412	60,903		1,386

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 43.9 1.87



## ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	50-R2				
NET SA	LVAGE PERCENT	-20				
1959	3,263.83	3,117	2,802	1,115	10.21	109
1960	1,147.98	1,086	976	402	10.59	38
1963	35,069.43	32,143	28,892	13,191	11.81	1,117
1965	5,127.16	4,592	4,128	2,025	12.68	160
1966	1,529.00	1,353	1,216	619	13.13	47
1968	66.74	58	52	28	14.07	2
1969	30,974.59	26,346	23,681	13,489	14.56	926
1970	5,230.34	4,386	3,942	2,334	15.06	155
1974	2,561.99	2,019	1,815	1,259	17.17	73
1975	9,089.28	7,039	6,327	4,580	17.73	258
1977	2,918.00	2,179	1,959	1,543	18.88	82
1979	52,455.92	37,668	33,858	29,089	20.08	1,449
1980	17,689.00	12,439	11,181	10,046	20.70	485
1981 1982	239,320.86 605,305.53	164,729 407,346	148,068 366,146	139,117 360,221	21.32 21.96	6,525
1983	14,875.70	9,782	8,793	9,058	22.60	16,404 401
1984	653,745.27	419,548	377,114	407,380	23.26	17,514
1985	177,105.52	110,811	99,603	112,924	23.20	4,719
1986	259,184.55	157,999	142,019	169,002	24.60	6,870
1987	51,032.68	30,264	27,203	34,036	25.29	1,346
1988	121,259.11	69,903	62,833	82,678	25.98	3,182
1989	136,585.72	76,412	68,684	95,219	26.69	3,568
1990	1,037,762.46	562,882	505,951	739,364	27.40	26,984
1991	313,408.82	164,502	147,864	228,227	28.13	8,113
1992	160,894.56	81,631	73,375	119,698	28.86	4,148
1993	206,740.36	101,220	90,983	157,105	29.60	5,308
1994	219,216.22	103,382	92,926	170,133	30.35	5,606
1995	252,522.20	114,544	102,959	200,068	31.10	6,433
1996	141,736.38	61,672	55,434	114,650	31.87	3,597
1997 1998	202,339.09 101,801.45	84,303	75,776 26,412	167,031	32.64 33.42	5,117
1999	82,097.88	40,509 31,112	36,412 27,965	85,750 70,552	34.21	2,566 2,062
2000	119,772.44	43,089	38,731	104,996	35.01	2,999
2002	18,941.27	6,082	5,467	17,263		471
2003	131,468.13	39,630	35,622	122,140	37.44	3,262
2004	157,193.52	44,291	39,811	148,821	38.26	3,890
2005	119,861.45	31,385	28,211	115,623	39.09	2,958
2006	659,221.94	159,321	143,207	647,859	39.93	16,225
2007	39,248.37	8,694	7,815	39,283	40.77	964
2008	102,272.49	20,544	18,466	104,261	41.63	2,504
2009	113,349.35	20,457	18,388	117,631	42.48	2,769



## ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	50-R2				
NET SA	LVAGE PERCENT	-20				
2010	26,046.31	4,157	3,737	27,519	43.35	635
2011	2,424,971.92	336,392	302,369	2,607,597	44.22	58,969
2012	416,223.17	49,048	44,087	455,381	45.09	10,099
2013	581,899.58	56,281	50,589	647,690	45.97	14,089
2014	288,365.55	21,731	19,533	326,506	46.86	6,968
2015	365,642.25	19,745	17,748	421,023	47.75	8,817
2016	442,312.01	14,331	12,881	517,893	48.65	10,645
2017	3,394,498.14	36,661	32,953	4,040,445	49.55	81,543
	14 545 245 51	2 020 015	2 450 550	14 002 062		262 181
	14,545,345.51	3,838,815	3,450,552	14,003,863		363,171

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 38.6 2.50



## ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA LVAGE PERCENT					
1983	11,071.98	9,965	9,965			
1986	22,675.12	20,408	20,408			
1990	4,564.82	4,070	3,653	455	0.13	455
1991	52,172.87	45,647	40,973	5,983	0.39	5,983
1992	26,518.04	22,758	20,428	3,438	0.65	3,438
1993	103,476.27	87,075	78,159	14,970	0.91	14,970
1994	118,889.13	98,134	88,086	18,914	1.16	16,305
1995	39,702.14	32,133	28,843	6,889	1.41	4,886
1996	77,166.73	61,165	54,902	14,548	1.67	8,711
1997	84,667.01	65,695	58,968	17,232	1.93	8,928
1999	79,109.84	58,535	52,541	18,658	2.49	7,493
2000	44,767.24	32,261	28,958	11,333	2.79	4,062
2001	112,757.65	78,866	70,790	30,692	3.12	9,837
2002	338,218.41	229,168	205,702	98,695	3.46	28,525
2003	300,424.74	196,414	176,302	94,080	3.83	24,564
2004	344,575.37	216,639	194,456	115,662	4.22	27,408
2005	638,974.92	384,071	344,744	230,333	4.65	49,534
2006	457,525.70	261,184	234,440	177,333	5.12	34,635
2007	30,311.90	16,310	14,640	12,641	5.63	2,245
2008	322,714.17	162,233	145,621	144,822	6.18	23,434
2009	354,283.19	164,210	147,396	171,459	6.79	25,252
2010	34,288.36	14,460	12,979	17,881	7.44	2,403
2011	89,122.40	33,459	30,033	50,177	8.16	6,149
2012	70,339.18	22,925	20,578	42,727	8.93	4,785
2014	152,585.50	33,056	29,671	107,656	10.63	10,128
2015	496,571.37	78,210	70,202	376,712	11.55	32,616
2016	251,027.53	24,045	21,583	204,342	12.51	16,334
2017	851,698.79	27,373	24,570	741,959	13.50	54,960
	5,510,200.37	2,480,469	2,229,591	2,729,589		428,040

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.4 7.77



### ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	R CURVE IOWA	16-L2				
NET SAL	VAGE PERCENT	+5				
1985	34,068.44	27,551	24,764	7,601	2.38	3,194
1987	36,936.00	28,970	26,040	9,049	2.79	3,243
1989	15,777.00	11,981	10,769	4,219	3.21	1,314
1990	17,895.30	13,356	12,005	4,996	3.43	1,457
1991	38,447.36	28,170	25,321	11,204	3.66	3,061
1992	62,733.59	45,108	40,546	19,051	3.89	4,897
1993	196,215.72	138,290	124,303	62,102	4.13	15,037
1994	22,513.96	15,547	13,975	7,413	4.37	1,696
1995	55,397.03	37,431	33,645	18,982	4.62	4,109
1996	26,781.07	17,698	15,908	9,534	4.87	1,958
1997	126,922.14	81,917	73,632	46,944	5.13	9,151
1999	45,851.46	28,259	25,401	18,158	5.62	3,231
2000	167,251.65	100,596	90,422	68,467	5.87	11,664
2001	140,352.36	82,417	74,081	59,254	6.11	9,698
2002	341,737.31	195,803	175,999	148,651	6.35	23,410
2003	31,481.46	17,589	15,810	14,097	6.59	2,139
2004	396,575.32	215,454	193,663	183,084	6.85	26,728
2005	925,431.75	486,835	437,596	441,564	7.14	61,844
2006	723,569.95	366,895	329,787	357,604	7.46	47,936
2007	70,096.37	33,962	30,527	36,065	7.84	4,600
2008	376,971.95	172,572	155,118	203,005	8.29	24,488
2009	1,133,339.26	483,835	434,899	641,773	8.81	72,846
2010	79,573.87	31,041	27,901	47,694	9.43	5,058
2011	179,927.02	62,603	56,271	114,660	10.14	11,308
2012	123,402.54	37,221	33,456	83,776	10.92	7,672
2013	313,172.17	78,841	70,867	226,647	11.76	19,273
2014	37,842.73	7,550	6,786	29,165	12.64	2,307
2015	326,538.79	47,307	42,523	267,689	13.56	19,741
2016	422,765.88	37,400	33,618	368,010	14.51	25,363
2017	1,744,080.74	51,777	46,540	1,610,337	15.50	103,893
	8,213,650.19	2,983,976	2,682,173	5,120,795		532,316

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 9.6 6.48



## ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR	CURVE IOWA	35-S2.5				
	AGE PERCENT					
1958	5,961.45	5,349	4,808	855	1.94	441
1960	4,862.20	4,314	3,878	741	2.31	321
1962	4,550.72	3,991	3,587	736	2.69	274
1963	5,646.36	4,923	4,425	939	2.88	326
1964	4,517.03	3,915	3,519	772	3.07	251
1966	6,340.45	5,428	4,879	1,144	3.46	331
1967	6,039.99	5,138	4,618	1,120	3.66	306
1970	2,662.25	2,219	1,995	534	4.29	124
1971 1972	3,316.54 2,977.00	2,744 2,444	2,466 2,197	685 631	4.52 4.75	152 133
1972	6,489.56	5,242	4,712	1,453	5.24	277
1974	4,495.41	3,565	3,204	1,453	5.78	185
1977	3,866.76	3,037	2,730	943	6.06	156
1978	5,196.00	4,039	3,630	1,306	6.36	205
1979	150.00	115	103	40	6.67	6
1980	18,300.00	13,908	12,501	4,884	7.00	698
1981	4,531.83	3,402	3,058	1,247	7.34	170
1982	18,102.01	13,409	12,053	5,144	7.71	667
1983	12,803.33	9,352	8,406	3,757	8.09	464
1984	28,318.22	20,384	18,322	8,580	8.48	1,012
1985	12,708.23	9,003	8,092	3,981	8.90	447
1986	5,426.94	3,780	3,398	1,758	9.34	188
1987	4,043.72	2,765	2,485	1,357	9.81	138
1988	12,302.85	8,248	7,414	4,274	10.30	415
1989	23,672.63	15,543	13,971	8,518	10.81	788
1990	48,668.07	31,241	28,081	18,154	11.35	1,599
1991	56,821.42	35,596	31,996	21,984	11.92	1,844
1992	165,208.92	100,850	90,650	66,298	12.51	5,300
1993	118,400.20	70,284	63,175	49,305	13.13	3,755
1994	170,614.53	98,270	88,331	73,753	13.78	5,352
1995	491,155.60	273,828	246,133	220,465	14.46	15,247
1996	40,323.93	21,704	19,509	18,799	15.17	1,239
1997	97,478.33	50,509	45,401	47,203	15.91	2,967
1998 1999	99,288.55 16,058.31	49,398	44,402	49,922	16.67	2,995
2000	14,430.76	7,645 6,549	6,872 5,887	8,383 7,822	17.46 18.28	480 428
2001	1,368.43	590	530	7,822	19.12	40
2001	41,308.02	16,830	15,128	24,115	19.12	1,206
2002	40,023.36	15,339	13,788	24,115	20.88	1,200
2003	44,989.70	16,143	14,510	28,230	21.78	1,296
2005	58,967.09	19,670	17,681	38,338	22.71	1,688
	,,-	_ , , , , ,	= - / • • =	55,550		_,



## ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA VAGE PERCENT					
2006	259,811.00	80,041	71,945	174,875	23.65	7,394
2007	365,391.78	103,144	92,712	254,410	24.60	10,342
2008	295,112.11	75,536	67,896	212,461	25.57	8,309
2009	21,585.44	4,957	4,456	16,050	26.54	605
2010	25,997.81	5,271	4,738	19,960	27.53	725
2011	236,534.78	41,668	37,454	187,254	28.51	6,568
2012	25,163.39	3,750	3,371	20,534	29.51	696
2013	99,913.50	12,204	10,969	83,949	30.50	2,752
2014	18,823.47	1,788	1,607	16,275	31.50	517
2015	553,851.20	37,584	33,783	492,376	32.50	15,150
2016	1,843.54	75	67	1,684	33.50	50
2017	116,513.29	1,582	1,422	109,266	34.50	3,167
	3,732,928.01	1,338,303	1,202,945	2,343,337		111,347

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 21.0 2.98



## ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA LVAGE PERCENT					
2000	75,164.85	67,648	67,648			
2002	168,349.02	146,296	130,968	20,546	0.31	20,546
2005	195,171.13	159,845	143,097	32,557	0.81	32,557
2006	110,219.25	87,845	78,641	20,556	1.03	19,957
2007	106,243.23	82,020	73,426	22,193	1.28	17,338
2009	128,894.42	90,484	81,003	35,002	1.98	17,678
2011	1,203,646.94	717,371	642,208	441,074	3.04	145,090
2012	403,183.82	211,268	189,132	173,733	3.76	46,206
2014	138,577.10	48,225	43,172	81,547	5.52	14,773
2015	1,134,734.95	283,686	253,963	767,298	6.50	118,046
2017	1,104,115.72	55,210	49,425	944,279	8.50	111,092
	4,768,300.43	1,949,898	1,752,683	2,538,787		543,283

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.7 11.39



## ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CIID1/T1	OR CURVE IOWA	15_T.O				
	ALVAGE PERCENT					
1962	5,033.75	3,694	3,320	707	1.24	570
1980	25,928.43	15,599	14,021	6,722	3.72	1,807
1981	94,599.79	56,104	50,430	25,250	3.88	6,508
1984	350,658.68	198,425	178,356	102,171	4.39	23,274
1985	76,552.82	42,584	38,277	22,965	4.57	5,025
1986	11,219.02	6,127	5,507	3,468	4.76	729
1987	80,044.29	42,947	38,603	25,432	4.94	5,148
1988	3,663.98	1,927	1,732	1,199	5.14	233
1989	12,370.00	6,380	5,735	4,161	5.33	781
1990	96,296.14	48,585	43,671	33,366	5.54	6,023
1991	67,136.37	33,156	29,803	23,906	5.74	4,165
1992	830,203.54	400,271	359,787	304,376	5.96	51,070
1993	127,400.17	59,929	53,868	48,052	6.18	7,775
1994	555,310.30	254,701	228,940	215,308	6.40	33,642
1995	181,175.46	80,780	72,610	72,330	6.64	10,893
1996	457,439.46	198,346	178,285	187,667	6.87	27,317
1997	341,701.42	143,605	129,081	144,280	7.12	20,264
1998	600,474.91	244,355	219,641	260,739	7.37	35,378
1999	175,012.88	68,699	61,751	78,259	7.64	10,243
2000	456,019.08	172,678	155,213	209,602	7.90	26,532
2001	491,418.40	178,747	160,668	232,467	8.18	28,419
2002	1,116,883.90	388,970	349,629	543,878	8.47	64,212
2003	969,937.11	322,795	290,147	485,803	8.76	55,457
2004	1,930,094.07	610,419	548,680	995,395	9.07	109,746
2005	1,304,190.32	390,214	350,747	692,605	9.39	73,760
2006	1,501,016.98	423,491	380,659	820,155	9.71	84,465
2007	1,412,202.04	372,821	335,113	794,649	10.05	79,070
2008	2,193,728.92	538,201	483,767	1,271,216	10.40	122,232
2009	687,891.35	155,557	139,824	410,489	10.76	38,150
2010	502,188.07	103,652	93,169	308,581	11.13	27,725
2011	3,639,900.20	675,565	607,237	2,304,683	11.52	200,059
2012	4,258,456.71	697,263	626,741	2,780,024	11.93	233,028
2013	394,274.37	55,514	49,899	265,520	12.36	21,482
2014	2,562,993.89	296,631	266,630	1,783,765	12.83	139,031
2015	2,054,732.10	180,816	162,528	1,481,258	13.35	110,956
2016	3,402,985.33	196,012	176,187	2,546,201	13.92	182,917
2017	6,297,530.73	137,689	123,763	4,914,262	14.59	336,824
	39,268,664.98	7,803,249	7,014,019	24,400,913		2,184,910

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 11.2 5.56



## **CALIFORNIA PROPERTY**



## ACCOUNT 360.2 LAND RIGHTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	65-R4				
NET SALV	AGE PERCENT	0				
1946	49,790.98	44,475	48,758	1,033	6.94	149
1947	6,445.77	5,723	6,274	172	7.29	24
1948	38,097.95	33,614	36,851	1,247	7.65	163
1949	17,690.38	15,505	16,998	692	8.03	86
1950	20,957.53	18,243	20,000	958	8.42	114
1951	16,828.54	14,540	15,940	889	8.84	101
1952 1953	14,003.68 5,096.59	12,004 4,332	13,160 4,749	844 348	9.28 9.75	91 36
1953	2,850.66	2,402	2,633	218	10.24	21
1955	5,947.96	4,964	5,442	506	10.75	47
1956	10,113.35	8,355	9,160	953	11.30	84
1957	8,641.50	7,065	7,745	896	11.86	76
1958	15,216.06	12,302	13,487	1,729	12.45	139
1959	7,636.57	6,102	6,690	947	13.06	73
1960	12,900.36	10,183	11,164	1,736	13.69	127
1961	7,477.84	5,828	6,389	1,089	14.34	76
1962	10,556.78	8,121	8,903	1,654	15.00	110
1963	3,882.40	2,946	3,230	652	15.67	42
1964	66,455.16	49,729	54,518	11,937	16.36	730
1965	39,399.91	29,065	31,864	7,536	17.05 17.76	442 171
1966 1967	14,908.88 40,519.25	10,835 28,999	11,878 31,791	3,031 8,728	18.48	472
1968	25,318.37	17,840	19,558	5,720	19.20	300
1969	20,773.63	14,401	15,788	4,986	19.94	250
1970	20,006.32	13,638	14,951	5,055	20.69	244
1971	46,716.32	31,293	34,306	12,410	21.46	578
1972	27,952.17	18,393	20,164	7,788	22.23	350
1973	31,972.82	20,650	22,638	9,335	23.02	406
1974	45,724.65	28,975	31,765	13,960	23.81	586
1975	43,486.05	27,015	29,616	13,870	24.62	563
1976	23,241.33	14,145	15,507	7,734	25.44	304
1977	32,666.04	19,464	21,338	11,328	26.27	431
1978	33,342.86	19,431	21,302	12,041	27.12	444
1979	15,761.52	8,979	9,844	5,918	27.97	212
1980 1981	1,030.19 4,188.75	573 2,275	628	402 1,695	28.83 29.70	14 57
1982	7,080.58	3,749	2,494 4,110	2,971	30.58	97
1983	3,095.22	1,597	1,751	1,344	31.47	43
1986	64,644.99	30,632	33,582	31,063	34.20	908
1987	2,501.54	1,150	1,261	1,241	35.12	35
1988	20,746.03	9,240	10,130	10,616	36.05	294
		•	-	-		



## ACCOUNT 360.2 LAND RIGHTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	65-R4				
NET SALV	AGE PERCENT	0				
1989	3,849.66	1,659	1,819	2,031	36.99	55
1990	10,232.71	4,262	4,672	5,561	37.93	147
1991	2,645.62	1,063	1,165	1,481	38.88	38
1992	2,167.81	839	920	1,248	39.83	31
1993	1,390.71	518	568	823	40.79	20
1994	1,949.06	697	764	1,185	41.75	28
1995	1,563.84	536	588	976	42.72	23
1996	917.73	301	330	588	43.69	13
1997	2,510.06	785	861	1,649	44.66	37
1998	858.70	256	281	578	45.64	13
2008	2,839.89	414	454	2,386	55.52	43
2009	9,426.90	1,230	1,348	8,079	56.52	143
2010	12,016.33	1,385	1,518	10,498	57.51	183
2011	19,918.01	1,989	2,181	17,737	58.51	303
2012	16,882.96	1,426	1,563	15,320	59.51	257
2013	8,300.21	573	628	7,672	60.51	127
2014	38,184.98	2,056	2,254	35,931	61.50	584
2015	66,123.37	2,543	2,788	63,335	62.50	1,013
	1,087,446.03	641,304	703,059	384,387		12,548

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 30.6 1.15



## ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CIIDI/TI/OE	CURVE IOWA	55_D2 5				
	AGE PERCENT					
1943	437.89	423	464	18	6.75	3
1949	142.30	133	146	11	8.29	1
1950	1,982.09	1,841	2,018	162	8.57	19
1951	3,891.53	3,591	3,937	344	8.86	39
1952	9,483.75	8,695	9,532	900	9.16	98
1953	4,137.93	3,768	4,131	421	9.47	44
1954	4,509.88	4,077	4,470	491	9.80	50
1955	2,790.35	2,504	2,745	324	10.14	32
1956	2,380.87	2,119	2,323	296	10.49	28
1957	8,196.05	7,236	7,933	1,083	10.86	100
1958 1959	5,482.36	4,798	5,260 4,385	771 688	11.24 11.63	69 59
1959	4,611.47 1,717.28	4,000 1,475	1,617	272	12.04	23
1961	933.48	794	870	157	12.47	13
1962	483.45	407	446	86	12.47	7
1963	6,042.28	5,031	5,515	1,132	13.37	85
1965	11,335.83	9,218	10,106	2,363	14.34	165
1966	6,111.47	4,908	5,381	1,342	14.85	90
1967	659.07	522	572	153	15.37	10
1968	916.80	717	786	222	15.90	14
1972	41,039.71	30,205	33,114	12,030	18.20	661
1974	16,225.19	11,546	12,658	5,190	19.42	267
1975	4,940.42	3,452	3,784	1,650	20.06	82
1976	4,869.54	3,341	3,663	1,693	20.70	82
1977	13,295.14	8,945	9,806	4,819	21.36	226
1978	3,203.10	2,112	2,315	1,208	22.03	55
1979	26,998.77	17,436	19,115	10,584	22.71	466
1980	16,734.30	10,576	11,594	6,814	23.40	291
1981	1,115.79	690	756	471	24.10	20
1983	1,758.66	1,037	1,137	798	25.53	31
1985	16,391.71	9,179	10,063	7,968	27.00	295
1986	37,004.89	20,167	22,109	18,596	27.75	670
1987	51,651.54	27,375	30,011	26,806	28.50	941
1988	115,385.38	59,378	65,096	61,828	29.27	2,112
1989	238,637.07	119,081	130,548	131,953	30.05	4,391
1990	34,949.06	16,894	18,521	19,923	30.83	646
1992	67,941.67	30,683	33,638	41,098	32.42	1,268
1993	39,118.90	17,032	18,672	24,359	33.23	733
1994	426,002.34	178,495	195,684	272,919	34.05	8,015
1995	32,529.06	13,096	14,357	21,425	34.87	614
1996	6,417.90	2,477	2,716	4,344	35.70	122

## ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	OR CURVE IOWA	55-R2.5				
NET SAI	LVAGE PERCENT	-10				
1997	71,606.72	26,437	28,983	49,784	36.54	1,362
1998	303.90	107	117	217	37.38	6
2002	25,333.97	7,180	7,871	19,996	40.83	490
2003	16,745.62	4,451	4,880	13,540	41.71	325
2004	3,428.61	851	933	2,838	42.59	67
2005	11,806.36	2,720	2,982	10,005	43.48	230
2007	3,305.11	643	705	2,931	45.28	65
2008	991,918.57	174,970	191,819	899,291	46.18	19,474
2009	1,428,609.41	226,009	247,773	1,323,697	47.09	28,110
2011	329,440.28	39,993	43,844	318,540	48.93	6,510
2012	3,723.46	384	421	3,675	49.85	74
2013	880,983.58	74,358	81,519	887,563	50.78	17,479
2014	75,215.56	4,949	5,425	77,312	51.71	1,495
2016	33,938.96	964	1,057	36,276	53.58	677
2017	17,387.37	164	180	18,946	54.53	347
	5,166,203.75	1,213,634	1,330,503	4,352,321		99,648

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 43.7 1.93



## ACCOUNT 362 STATION EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
	AGE PERCENT					
1930	26,072.07	29,866	32,590			
1936	8,808.00	9,689	10,622	388	6.00	65
1937	4,250.12	4,642	5,089	224	6.31	35
1943	1,622.75	1,692	1,855	173	8.29	21
1944	3,047.30	3,151	3,454	355	8.64	41
1945	13,765.99	14,114	15,473	1,734	8.99	193
1946	1,551.95	1,577	1,729	211	9.35	23
1947	24,474.60	24,652	27,026	3,567	9.71	367
1948	17,414.31	17,379	19,053	2,715	10.08	269
1949	20,448.92	20,219	22,166	3,395	10.45	325
1950 1951	27,796.89 40,203.32	27,227 38,987	29,849 42,742	4,897 7,512	10.82 11.21	453 670
1951	62,155.30	59,685	65,434	12,260	11.59	1,058
1953	62,095.38	59,005	64,689	12,200	11.99	1,038
1954	123,158.25	115,800	126,953	26,995	12.39	2,179
1955	63,304.58	58,889	64,561	14,570	12.79	1,139
1956	125,972.32	115,895	127,058	30,407	13.20	2,304
1957	79,415.76	72,229	79,186	20,084	13.62	1,475
1958	9,872.40	8,875	9,730	2,610	14.04	186
1959	15,236.94	13,534	14,838	4,208	14.47	291
1960	40,637.18	35,659	39,094	11,702	14.90	785
1961	60,042.07	52,026	57,037	18,016	15.34	1,174
1962	22,293.53	19,067	20,903	6,964	15.79	441
1963	36,813.41	31,071	34,064	11,953	16.24	736
1964	50,182.19	41,777	45,801	16,927	16.70	1,014
1965	255,122.94	209,392	229,560	89,344	17.17	5,203
1966	164,195.48	132,834	145,628	59,616	17.64	3,380
1967	68,337.25	54,465	59,711	25,711	18.12	1,419
1968	108,516.16	85,158	93,360	42,285	18.61	2,272
1969	27,756.63	21,442	23,507	11,189	19.10	586
1970	95,533.96	72,606	79,599	39,818	19.60	2,032
1971	15,995.38	11,953	13,104	6,890	20.11	343
1972	27,401.51	20,126	22,064	12,188	20.62	591
1973	6,507.83	4,695	5,147	2,988	21.14	141
1974	209,946.75	148,695	163,017	99,416	21.67	4,588
1975	7,964.19	5,535	6,068	3,887	22.20	175
1976	2,400.41	1,636	1,794	1,207	22.74	53
1977	342,101.33	228,438	250,440	177,187	23.29	7,608
1978	389,439.05	254,596	279,118	207,681	23.85	8,708
1979	408,616.03	261,412	286,590	224,180	24.41	9,184
1980	75,409.48	47,169	51,712	42,550	24.98	1,703



## ACCOUNT 362 STATION EQUIPMENT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
1981	153,922.52	94,085	103,147	89,256	25.55	3,493
1982	79,687.04	47,533	52,111	47,498	26.14	1,817
1983	94,924.56	55,222	60,541	58,115	26.73	2,174
1984	13,756.49	7,800	8,551	8,645	27.32	316
1985	84,938.19	46,865	51,379	54,794	27.93	1,962
1986	365,941.39	196,419	215,337	242,090	28.53	8,485
1987	149,113.69	77,726	85,212	101,180	29.15	3,471
1988	263,536.25	133,283	146,120	183,300	29.77	6,157
1989	1,005,959.62	492,920	540,396	717,054	30.40	23,587
1990	301,209.66	142,849	156,608	219,904	31.03	7,087
1991	931,672.25	426,939	468,060	696,530	31.67	21,993
1992	1,070,638.53	473,490	519,094	819,204	32.31	25,355
1993	53,563.37	22,818	25,016	41,938	32.96	1,272
1994	636,639.19	260,863	285,988	509,811	33.61	15,168
1995	50,923.71	20,026	21,955	41,700	34.27	1,217
1996	268,692.77	101,230	110,980	224,886	34.93	6,438
1997	382,546.64	137,717	150,981	327,202	35.60	9,191
1998	163,015.06	55,996	61,389	142,380	36.26	3,927
1999	64,843.45	21,171	23,210	57,844	36.94	1,566
2000	50,768.03	15,725	17,240	46,220	37.61	1,229
2001	123,739.41	36,225	39,714	114,960	38.29	3,002
2002	554,150.03	152,668	167,372	525,316	38.98	13,477
2003	186,825.07	48,294	52,945	180,586	39.66	4,553
2004	240,120.20	57,929	63,508	236,642	40.35	5,865
2005	894,272.10	200,317	219,611	898,229	41.04	21,887
2006	385,093.89	79,522	87,181	394,186	41.74	9,444
2007	183,148.80	34,661	37,999	190,937	42.43	4,500
2008	5,785,736.20	993,700	1,089,409	6,142,761	43.13	142,424
2009	3,026,140.35	466,026	510,912	3,271,763	43.84	74,630
2010	77,423.89	10,549	11,565	85,215	44.55	1,913
2011	1,044,388.87	123,760	135,680	1,169,806	45.26	25,846
2012	141,923.80	14,263	15,637	161,768	45.98	3,518
2013	4,787,445.74	394,964	433,005	5,551,302	46.70	118,872
2014	1,526,257.01	98,062	107,507	1,800,314	47.43	37,957
2015	265,903.55	12,232	13,410	318,969	48.16	6,623
2016	385,889.08	10,708	11,739	470,622	48.89	9,626
2017	1,893,843.68	17,518	19,206	2,348,099	49.63	47,312
	30,834,473.99	8,018,935	8,791,130	29,751,962		741,662

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.1 2.41



## ACCOUNT 364 POLES, TOWERS AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWALVAGE PERCENT					
1946	33,285.43	53,075	58,186	8,385	11.15	752
1947	15,005.59	23,742	26,028	3,983	11.49	347
1948	17,960.60	28,195	30,910	5,011	11.83	424
1949	43,396.36	67,588	74,096	12,697	12.17	1,043
1950	35,942.38	55,508	60,853 65,720	11,032	12.53	880
1951 1952	39,148.48 38,417.70	59,947 58,311	63,720	12,577 12,909	12.89 13.26	976 974
1953	74,798.79	112,497	123,330	26,268	13.64	1,926
1954	64,742.48	96,455	105,743	23,742	14.03	1,692
1955	100,475.15	148,265	162,542	38,408	14.42	2,664
1956	128,559.37	187,789	205,872	51,247	14.83	3,456
1957	97,427.84	140,863	154,428	40,428	15.24	2,653
1958	179,022.90	256,099	280,760	77,286	15.66	4,935
1959	122,719.67	173,592	190,308	55,131	16.10	3,424
1960	159,587.32	223,189	244,681	74,494	16.54	4,504
1961	135,405.46	187,155	205,177	65,634	16.99	3,863
1962	161,795.12	220,925	242,199	81,391	17.45	4,664
1963	192,144.88	259,080	284,029	100,261	17.92	5,595
1964	161,194.75	214,534	235,193	87,196	18.40	4,739
1965 1966	272,827.85 211,683.40	358,348 274,189	392,856 300,592	152,800 122,775	18.88 19.38	8,093 6,335
1967	316,972.15	404,685	443,655	190,289	19.89	9,567
1968	216,615.48	272,463	298,700	134,531	20.41	6,591
1969	220,144.86	272,737	299,001	141,289	20.93	6,751
1970	223,248.56	272,203	298,415	148,082	21.47	6,897
1971	253,323.19	303,805	333,060	173,586	22.02	7,883
1972	226,287.62	266,856	292,553	160,022	22.57	7,090
1973	350,505.42	406,201	445,317	255,694	23.13	11,055
1974	381,687.93	434,430	476,264	287,112	23.70	12,114
1975	358,543.59	400,393	438,949	278,138	24.29	11,451
1976	485,298.04	531,537	582,722	387,874	24.88	15,590
1977	503,602.17	540,778	592,853	414,351	25.47	16,268
1978	570,448.86	599,907	657,676	483,222	26.08	18,528
1979	751,342.76	773,477	847,960	654,726		24,531
1980 1981	1,078,148.93 1,020,681.79	1,085,200 1,003,983	1,189,701 1,100,663	966,597	27.32 27.95	35,381 33,657
1981	1,084,102.30	1,003,983	1,141,385	940,701 1,026,820	28.59	35,915
1983	638,921.95	598,734	656,390	621,454	29.23	21,261
1984	700,819.19	639,918	701,540	700,098	29.89	23,422
1985	561,181.88	498,947	546,994	575,370	30.55	18,834
1986	934,287.12	808,252	886,084	982,490	31.21	31,480

## ACCOUNT 364 POLES, TOWERS AND FIXTURES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	55-R1.5				
	ALVAGE PERCENT					
1987	1,031,528.88	866,856	950,331	1,112,727	31.89	34,893
1988	832,024.64	678,633	743,983	920,066	32.57	28,249
1989	844,908.12	667,934	732,254	957,562	33.26	28,790
1990	720,008.92	551,138	604,211	835,807	33.95	24,619
1991	1,782,300.25	1,318,902	1,445,908	2,118,692	34.65	61,146
1992	2,057,316.96	1,469,295	1,610,783	2,503,851	35.36	70,810
1993	1,725,094.94	1,187,486	1,301,837	2,148,353	36.07	59,561
1994	1,356,410.46	898,188	984,680	1,728,141	36.79	46,973
1995	1,570,255.20	998,682	1,094,852	2,045,658	37.51	54,536
1996	2,105,009.27	1,282,919	1,406,460	2,803,559	38.24	73,315
1997	1,279,128.80	745,144	816,899	1,741,359	38.98	44,673
1998	1,918,820.72	1,066,864	1,169,599	2,668,042	39.71	67,188
1999	1,699,159.56	898,380	984,891	2,413,428	40.46	59,650
2000	1,890,047.39	947,783	1,039,051	2,741,044	41.21	66,514
2001	1,612,567.16	764,647	838,280	2,386,854	41.96	56,884
2002	1,183,214.27	528,353	579,231	1,787,198	42.72	41,835
2003	1,665,963.94	697,872	765,075	2,566,853	43.48	59,035
2004	1,694,217.43	662,913	726,749	2,661,686	44.24	60,165
2005	1,808,275.05	656,910	720,168	2,896,382	45.01	64,350
2006	2,057,750.74	689,141	755,503	3,359,998	45.79	73,378
2007	1,792,230.58	549,390	602,294	2,982,167	46.57	64,036
2008	1,518,720.89	422,478	463,161	2,574,281	47.35	54,367
2009	1,491,082.54	371,965	407,784	2,574,381	48.14	53,477
2010	2,362,651.43	521,484	571,701	4,153,602	48.93	84,889
2011	4,059,523.65	779,429	854,485	7,264,562	49.72	146,109
2012	1,635,124.18	266,362	292,012	2,978,236	50.52	58,952
2013	3,594,740.59	479,754	525,952	6,663,529	51.33	129,817
2014	1,741,997.46	181,168	198,614	3,285,381	52.14	63,011
2015	1,394,403.13	103,939	113,948	2,674,858	52.95	50,517
2016	1,266,233.03	56,626	62,079	2,470,387	53.77	45,944
2017	893,105.47	13,307	14,589	1,771,622	54.59	32,453
	65,745,520.96	35,678,922	39,114,675	92,376,367		2,278,341

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.5 3.47



### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	65-R1				
NET SAI	VAGE PERCENT	-60				
1946	170,988.57	185,951	203,857	69,725	20.82	3,349
1947	52,408.48	56,402	61,833	22,021	21.28	1,035
1948	78,801.37	83,913	91,994	34,088	21.74	1,568
1949	113,908.36	120,007	131,563	50,690	22.20	2,283
1950	81,303.48	84,716	92,874	37,212	22.67	1,641
1951	83,037.11	85,542	93,779	39,080	23.15	1,688
1952	57,691.82	58,750	64,407	27,900	23.63	1,181
1953 1954	209,826.57 95,846.85	211,143 95,292	231,475 104,468	104,248 48,887	24.12 24.61	4,322 1,986
1955	88,673.29	87,091	95,478	46,399	25.10	1,849
1956	111,698.04	108,329	118,761	59,956	25.60	2,342
1957	71,895.12	68,825	75,453	39,579	26.11	1,516
1958	148,668.21	140,452	153,977	83,892	26.62	3,151
1959	76,438.23	71,236	78,096	44,205	27.14	1,629
1960	148,396.54	136,361	149,492	87,942	27.67	3,178
1961	106,893.92	96,856	106,183	64,847	28.19	2,300
1962	123,646.39	110,391	121,021	76,813	28.73	2,674
1963	136,535.12	120,083	131,647	86,809	29.27	2,966
1964	138,466.20	119,941	131,491	90,055	29.81	3,021
1965	254,584.58	217,077	237,981	169,354	30.36	5,578
1966	205,508.67	172,400	189,001	139,813	30.92	4,522
1967	347,000.29	286,311	313,882	241,318	31.48	7,666
1968	222,415.30	180,452 203,599	197,829	158,035	32.04	4,932
1969 1970	255,443.84 187,418.73	203,599 146,750	223,205 160,881	185,505 138,989	32.62 33.19	5,687 4,188
1971	216,470.56	166,409	182,434	163,919	33.77	4,854
1972	139,501.06	105,213	115,345	107,857	34.36	3,139
1973	302,827.60	224,000	245,570	238,954	34.95	6,837
1974	430,723.68	312,244	342,312	346,846	35.55	9,757
1975	404,726.84	287,421	315,099	332,464	36.15	9,197
1976	672,654.68	467,586	512,613	563,634	36.76	15,333
1977	567,066.90	385,678	422,817	484,490	37.37	12,965
1978	619,368.71	411,796	451,450	539,540	37.99	14,202
1979	779,592.53	506,423	555,190	692,158	38.61	17,927
1980	1,174,769.05	745,198	816,958	1,062,672	39.23	27,088
1981	1,570,022.63	971,580	1,065,140	1,446,896	39.86	36,299
1982	1,459,639.14	880,267	965,033	1,370,390	40.50	33,837
1983	803,882.66	472,143	517,609	768,603	41.14	18,683
1984	902,481.67	515,830	565,503	878,468	41.78	21,026
1985	870,532.71	483,849	530,442	862,410	42.42	20,330
1986	837,389.04	452,029	495,558	844,264	43.07	19,602

### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	65-R1				
	ALVAGE PERCENT					
1987	860,011.02	450,274	493,634	882,384	43.73	20,178
1988	683,193.17	346,767	380,159	712,950	44.38	16,065
1989	943,413.62	463,526	508,162	1,001,300	45.04	22,231
1990	762,307.87	361,968	396,824	822,869	45.71	18,002
1991	1,296,234.75	594,443	651,686	1,422,290	46.37	30,673
1992	1,502,147.92	664,094	728,044	1,675,393	47.04	35,616
1993	1,640,490.15	697,799	764,994	1,859,790	47.72	38,973
1994	1,067,857.02	436,608	478,652	1,229,919	48.39	25,417
1995	822,018.34	322,336	353,376	961,853	49.07	19,602
1996	915,957.79	343,843	376,954	1,088,578	49.75	21,881
1997	924,102.38	331,420	363,334	1,115,230	50.43	22,114
1998	711,942.79	243,416	266,856	872,252	51.11	17,066
1999	203,278.22	66,051	72,411	252,834	51.80	4,881
2000	362,054.66	111,490	122,226	457,061	52.49	8,708
2001	525,558.18	152,916	167,641	673,252	53.18	12,660
2002	400,002.57	109,588	120,141	519,863	53.87	9,650
2003	523,945.56	134,516	147,469	690,844	54.57	12,660
2004	507,850.33	121,632	133,345	679,216	55.27	12,289
2005	407,899.26	90,665	99,396	553,243	55.97	9,885
2006	249,375.66	51,132	56,056	342,945	56.67	6,052
2007	215,099.29	40,346	44,231	299,928	57.38	5,227
2008	299,880.57	51,008	55,920	423,889	58.09	7,297
2009	329,540.94	50,291	55,134	472,132	58.80	8,029
2010	149,561.72	20,175	22,118	217,181	59.52	3,649
2011	451,219.98	52,869	57,960	663,992	60.24	11,022
2012	490,574.65	48,783	53,480	731,439	60.96	11,999
2013	2,037,690.85	166,015	182,002	3,078,303	61.69	49,900
2014	279,998.02	17,781	19,493	428,504	62.42	6,865
2015	315,249.48	14,355	15,737	488,662	63.15	7,738
2016	170,356.63	4,656	5,104	267,467	63.89	4,186
2017	294,860.21	2,684	2,943	468,833	64.63	7,254
	35,662,818.14	17,198,983	18,855,183	38,205,326		835,097

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 45.7 2.34



### ACCOUNT 366 UNDERGROUND CONDUIT

THE D	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST (2)	ACCRUED (3)	RESERVE	ACCRUALS (5)	LIFE	ACCRUAL (7)
(1)	( \( \alpha \)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	60-R4				
NET SAI	LVAGE PERCENT	-45				
1967	12,062.85	13,311	14,593	2,898	14.34	202
1968	13,156.06	14,301	15,678	3,398	15.02	226
1969	10,071.82	10,778	11,816	2,788	15.72	177
1970	4,468.95	4,707	5,160	1,320	16.42	80
1971	88,570.33	91,739	100,573	27,854	17.14	1,625
1972	30,261.11	30,810	33,777	10,102	17.87	565
1973	101,060.58	101,086	110,820	35,718	18.61	1,919
1974 1975	43,916.76 65,385.03	43,122 63,000	47,274 69,067	16,405 25,741	19.37 20.13	847 1,279
1975	76,843.37	72,592	79,582	31,841	20.13	1,523
1977	44,787.63	41,444	45,435	19,507	21.71	899
1978	83,831.03	75,951	83,265	38,290	22.51	1,701
1979	116,727.40	103,443	113,404	55,851	23.33	2,394
1980	139,369.34	120,712	132,336	69,750	24.16	2,887
1981	125,626.93	106,259	116,491	65,668	25.00	2,627
1982	306,326.77	252,810	277,155	167,019	25.85	6,461
1983	73,780.38	59,357	65,073	41,909	26.71	1,569
1984	190,258.48	149,019	163,369	112,506	27.59	4,078
1985	282,485.27	215,247	235,975	173,629	28.47	6,099
1986	252,087.83	186,664	204,639	160,888	29.36	5,480
1987	590,655.42	424,371	465,236	391,214	30.27	12,924
1988	572,137.57	398,482	436,854	392,745	31.18	12,596
1989	2,759,294.60	1,860,454	2,039,609	1,961,368	32.10	61,102
1990	1,151,381.32	750,442	822,707	846,796	33.03	25,637
1991 1992	1,089,977.49 967,992.95	685,923	751,975 643,706	828,492 759,884	33.96 34.90	24,396
1992	685,132.62	587,164 399,861	438,366	555,076	35.85	21,773 15,483
1994	913,419.82	512,128	561,444	763,015	36.80	20,734
1995	491,496.57	264,165	289,603	423,067	37.76	11,204
1996	309,584.75	159,211	174,543	274,355	38.72	7,086
1997	1,066,539.12	523,484	573,894	972,588	39.69	24,505
1998	244,293.19	114,177	125,172	229,053	40.66	5,633
1999	37,288.69	16,545	18,138	35,931	41.64	863
2000	109,160.26	45,850	50,265	108,017	42.62	2,534
2001	242,062.60	95,936	105,174	245,817	43.60	5,638
2002	324,414.17	120,893	132,535	337,866	44.58	7,579
2003	200,423.96	69,893	76,623	213,992	45.57	4,696
2004	300,477.42	97,595	106,993	328,699	46.56	7,060
2005	111,638.31	33,589	36,824	125,052	47.55	2,630
2006	131,244.46	36,348	39,848	150,456	48.54	3,100
2007	248,827.64	62,960	69,023	291,777	49.53	5,891

### ACCOUNT 366 UNDERGROUND CONDUIT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIV	OR CURVE IOWA	60-R4				
NET SA	LVAGE PERCENT	-45				
2008	205,817.71	47,153	51,694	246,742	50.52	4,884
2009	230,034.88	47,141	51,681	281,870	51.52	5,471
2010	237,302.25	42,953	47,089	296,999	52.51	5,656
2011	393,034.50	61,646	67,582	502,318	53.51	9,387
2012	428,522.65	56,854	62,329	559,029	54.51	10,256
2013	468,023.89	50,782	55,672	622,963	55.51	11,223
2014	335,385.24	28,366	31,098	455,211	56.50	8,057
2015	425,711.86	25,722	28,199	589,083	57.50	10,245
2016	214,994.16	7,794	8,544	303,198	58.50	5,183
2017	108,280.33	1,308	1,434	155,572	59.50	2,615
	17,655,628.32	9,385,542	10,289,336	15,311,325		398,679

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 38.4 2.26



### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
1964	3,874.01	4,258	4,668	756	11.82	64
1966	663.61	712	781	148	12.85	12
1967	10,947.91	11,596	12,713	2,614	13.39	195
1968	19,836.06	20,732	22,728	5,042	13.94	362
1969	12,927.12	13,323	14,606	3,492	14.51	241
1970	14,232.24	14,455	15,847	4,078	15.10	270
1971	146,388.63	146,404	160,502	44,442	15.71	2,829
1972 1973	55,241.76 131,270.65	54,390 127,109	59,628 139,349	17,710 44,430	16.32 16.96	1,085 2,620
1973	63,585.82	60,518	66,346	22,674	17.61	1,288
1975	90,868.30	84,957	93,138	34,078	18.27	1,865
1976	111,357.19	102,214	112,057	43,843	18.94	2,315
1977	111,126.06	100,050	109,684	45,892	19.63	2,338
1978	258,566.41	228,186	250,159	111,834	20.33	5,501
1979	249,799.65	215,934	236,728	112,992	21.04	5,370
1980	298,537.57	252,519	276,836	141,117	21.77	6,482
1981	248,092.78	205,241	225,005	122,325	22.50	5,437
1982	447,960.51	362,032	396,894	230,251	23.25	9,903
1983	156,253.31	123,257	135,126	83,629	24.01	3,483
1984	296,228.42	227,947	249,897	164,823	24.77	6,654
1985 1986	422,718.01 218,088.82	316,882	347,397	244,408	25.55	9,566 4,970
1987	427,544.56	159,101 303,202	174,422 332,399	130,902 266,163	26.34 27.14	9,807
1988	211,637.33	145,776	159,814	136,478	27.14	4,885
1989	2,788,956.69	1,862,817	2,042,199	1,862,340	28.76	64,755
1990	617,828.51	399,611	438,092	426,868	29.59	14,426
1991	745,006.30	466,131	511,018	531,991	30.42	17,488
1992	976,610.50	590,162	646,992	720,263	31.26	23,041
1993	469,908.34	273,793	300,158	357,714	32.11	11,140
1994	565,768.91	317,266	347,818	444,258	32.97	13,475
1995	696,198.57	374,988	411,098	563,580	33.84	16,654
1996	461,738.42	238,360	261,313	385,121	34.72	11,092
1997	1,477,359.06	729,552	799,805	1,268,498	35.60	35,632
1998	464,213.44	218,723	239,785	410,114	36.49	11,239
1999	122,927.00	55,102	60,408	111,690	37.39	2,987
2000	184,359.92	78,371	85,918	172,186	38.30	4,496
2001 2002	293,102.06 351,337.10	117,805	129,149	281,194	39.21	7,171
2002	235,523.18	132,982 83,571	145,788 91,619	346,084 238,113	40.13 41.06	8,624 5,799
2003	405,630.22	134,333	147,269	420,613	41.00	10,017
2005	418,214.93	128,488	140,861	444,640	42.93	10,357
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### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
2006	214,263.45	60,702	66,547	233,422	43.87	5,321
2007	363,155.99	94,195	103,266	405,152	44.81	9,042
2008	260,938.33	61,307	67,211	298,103	45.77	6,513
2009	241,894.10	50,984	55,894	282,758	46.72	6,052
2010	229,096.88	42,629	46,734	274,002	47.69	5,745
2011	297,148.16	48,028	52,653	363,354	48.65	7,469
2012	618,919.60	84,760	92,922	773,565	49.62	15,590
2013	632,302.68	70,977	77,812	807,412	50.59	15,960
2014	609,368.09	53,200	58,322	794,793	51.57	15,412
2015	441,608.71	27,654	30,317	587,935	52.54	11,190
2016	392,142.72	14,774	16,197	532,803	53.52	9,955
2017	116,786.00	1,457	1,597	161,903	54.51	2,970
	19,700,054.59	10,093,517	11,065,486	16,514,590		467,154

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 35.4 2.37



## ACCOUNT 368 LINE TRANSFORMERS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	55-R2				
NET SAL	LVAGE PERCENT	-40				
1902	61,503.65	86,105	86,105			
1921	626.28	854	877			
1925	1,096.36	1,464	1,535			
1950	660.62	755	828	97	10.08	10
1955	6,214.54	6,810	7,468	1,232	11.95	103
1956	10,709.27	11,626	12,749	2,244	12.35	182
1957	80,270.96	86,307	94,647	17,732	12.76	1,390
1958 1959	66,897.27 74,916.80	71,212 78,910	78,094 86,535	15,562 18,349	13.18 13.62	1,181 1,347
1960	49,290.98	51,366	56,330	12,677	14.06	902
1961	86,804.61	89,465	98,110	23,416	14.51	1,614
1962	101,166.31	103,058	113,017	28,616	14.98	1,910
1963	153,971.58	155,007	169,986	45,574	15.45	2,950
1964	154,120.64	153,235	168,043	47,726	15.94	2,994
1965	156,420.45	153,531	168,367	50,622	16.44	3,079
1966	155,823.96	150,923	165,507	52,647	16.95	3,106
1967	204,525.66	195,384	214,265	72,071	17.47	4,125
1968	262,960.05	247,728	271,667	96,477	17.99	5,363
1969	194,979.20	180,955	198,442	74,529	18.54	4,020
1970	205,034.53 206,860.40	187,417	205,528	81,520	19.09	4,270 4,350
1971 1972	248,804.20	186,138 220,267	204,125 241,552	85,480 106,774	19.65 20.22	5,281
1973	329,291.04	286,664	314,366	146,641	20.80	7,050
1974	382,086.77	326,789	358,368	176,553	21.40	8,250
1975	322,620.79	271,001	297,189	154,480	22.00	7,022
1976	425,046.23	350,440	384,305	210,760	22.61	9,322
1977	592,624.95	479,253	525,565	304,110	23.23	13,091
1978	785,101.18	622,114	682,232	416,910	23.87	17,466
1979	840,579.65	652,377	715,419	461,393	24.51	18,825
1980	968,662.32	735,767	806,868	549,259	25.16	21,831
1981	1,061,914.32	788,758	864,979	621,701	25.82	24,078
1982	1,145,737.35	831,466	911,814	692,218	26.49	26,131
1983	1,062,335.59	752,559	825,282	661,988	27.17	24,365
1984 1985	1,984,193.86 1,082,549.22	1,371,268 728,852	1,503,780 799,284	1,274,091 716,285	27.85 28.55	45,748 25,089
1986	1,173,281.04	769,029	843,344	799,249	29.25	27,325
1987	1,345,989.67	857,904	940,807	943,579	29.96	31,495
1988	1,549,846.64	959,436	1,052,151	1,117,634	30.68	36,429
1989	1,767,639.79	1,061,422	1,163,992	1,310,704	31.41	41,729
1990	1,406,565.02	818,100	897,157	1,072,034	32.15	33,345
1991	1,800,147.17	1,013,123	1,111,026	1,409,180	32.89	42,845

## ACCOUNT 368 LINE TRANSFORMERS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

77E 3 D	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	55-R2				
NET SA	ALVAGE PERCENT	-40				
1992	2,097,636.10	1,140,493	1,250,704	1,685,987	33.64	50,119
1993	1,604,731.42	841,473	922,788	1,323,836	34.40	38,484
1994	1,529,175.37	771,882	846,473	1,294,373	35.17	36,803
1995	1,325,926.93	643,300	705,465	1,150,833	35.94	32,021
1996	840,864.24	391,257	429,066	748,144	36.72	20,374
1997	747,842.45	332,939	365,112	681,867	37.51	18,178
1998	391,475.46	166,311	182,382	365,684	38.31	9,545
1999	630,663.14	255,087	279,737	603,191	39.11	15,423
2000	1,009,712.51	387,580	425,034	988,564	39.92	24,764
2001	1,319,321.33	479,217	525,526	1,321,524	40.73	32,446
2002	919,494.62	314,807	345,228	942,064	41.55	22,673
2003	1,182,424.21	379,830	416,535	1,238,859	42.38	29,232
2004	927,829.03	278,445	305,352	993,609	43.21	22,995
2005	1,361,046.41	379,359	416,018	1,489,447	44.05	33,813
2006	964,508.39	248,214	272,200	1,078,112	44.89	24,017
2007	1,596,148.70	375,816	412,133	1,822,475	45.75	39,836
2008	1,677,916.11	358,775	393,445	1,955,638	46.60	41,966
2009	1,361,944.03	261,392	286,652	1,620,070	47.46	34,135
2010	1,140,940.76	193,707	212,426	1,384,891	48.33	28,655
2011	1,587,242.25	234,325	256,969	1,965,170	49.20	39,942
2012	831,691.63	104,153	114,218	1,050,150	50.08	20,969
2013	1,549,336.77	158,928	174,286	1,994,785	50.97	39,136
2014	1,019,499.91	81,741	89,640	1,337,660	51.85	25,799
2015	1,285,839.29	73,645	80,762	1,719,413	52.75	32,596
2016	999,373.44	34,348	37,667	1,361,456	53.65	25,377
2017	1,150,432.69	13,175	14,448	1,596,158	54.55	29,260
	53,562,888.11	24,995,038	27,401,971	47,586,072		1,278,171

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 37.2 2.39



## ACCOUNT 369.1 OVERHEAD SERVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR	CURVE IOWA	55-R1 5				
	AGE PERCENT					
1946	1,757.36	2,102	2,304	332	11.15	30
1947	1,631.18	1,936	2,122	325	11.49	28
1948	1,324.07	1,559	1,709	277	11.83	23
1949	1,361.77	1,591	1,744	299	12.17	25
1950	935.86	1,084	1,188	216	12.53	17
1951	1,241.80	1,426	1,563	300	12.89	23
1952	2,183.50	2,486	2,725	550	13.26	41
1953	7,360.53 13,907.18	8,303	9,103	1,938 3,826	13.64	142
1954 1955	11,808.25	15,539 13,069	17,035 14,328	3,826	14.03 14.42	273 235
1956	13,033.99	14,279	15,654	3,384	14.42	263
1957	15,359.86	16,656	18,260	4,780	15.24	314
1958	19,984.14	21,441	23,506	6,470	15.66	413
1959	24,337.32	25,820	28,306	8,200	16.10	509
1960	21,978.40	23,053	25,273	7,695	16.54	465
1961	36,173.99	37,499	41,110	13,151	16.99	774
1962	25,324.80	25,935	28,432	9,555	17.45	548
1963	21,722.73	21,968	24,083	8,501	17.92	474
1964	29,378.56	29,325	32,149	11,919	18.40	648
1965	27,159.28	26,754	29,330	11,409	18.88	604
1966	33,071.77	32,128	35,222	14,386	19.38	742
1967	32,834.59	31,440	34,468	14,784	19.89	743
1968	31,685.72	29,891	32,769	14,760	20.41	723
1969	39,071.09	36,304	39,800	18,807	20.93	899
1970	40,485.24	37,022	40,587	20,141	21.47	938
1971	46,658.44	41,967	46,008	23,980	22.02	1,089
1972	66,907.85	59,177	64,876	35,486	22.57	1,572
1973	59,235.25	51,486	56,444	32,409	23.13	1,401
1974	74,478.58	63,578	69,700	42,018	23.70	1,773
1975	66,708.08	55,871	61,251	38,811	24.29	1,598
1976	89,445.61 97,891.10	73,476	80,552 86,430	53,616	24.88	2,155
1977 1978	91,728.91	78,838 72,349	79,316	60,407 58,277	25.47 26.08	2,372 2,235
1979	89,961.97	69,459	76,148	58,795	26.69	2,203
1980	121,422.23	91,662	100,489	81,644	27.32	2,988
1981	127,490.94	94,054	103,111	88,125	27.95	3,153
1982	120,487.99	86,784	95,141	85,591	28.59	2,994
1983	85,816.77	60,314	66,122	62,603	29.23	2,142
1984	49,928.80	34,192	37,485	37,408	29.89	1,252
1985	67,548.31	45,043	49,381	51,941	30.55	1,700
1986	145,653.45	94,504	103,604	114,876	31.21	3,681



## ACCOUNT 369.1 OVERHEAD SERVICES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	55-R1.5				
NET SA	LVAGE PERCENT	-50				
1987	64,866.08	40,883	44,820	52,479	31.89	1,646
1988	68,511.00	41,910	45,946	56,820	32.57	1,745
1989	44,906.37	26,625	29,189	38,171	33.26	1,148
1990	183,170.90	105,157	115,283	159,473	33.95	4,697
1991	251,526.97	139,597	153,040	224,250	34.65	6,472
1992	299,215.14	160,270	175,703	273,120	35.36	7,724
1993	155,963.19	80,519	88,273	145,672	36.07	4,039
1994	248,123.92	123,227	135,093	237,093	36.79	6,444
1995	1,104,075.50	526,644	577,358	1,078,755	37.51	28,759
1996	187,373.96	85,648	93,896	187,165	38.24	4,894
1997	199,837.65	87,310	95,718	204,038	38.98	5,234
1998	141,744.21	59,107	64,799	147,817	39.71	3,722
1999	393,630.68	156,090	171,121	419,325	40.46	10,364
2000	798,046.13	300,141	329,044	868,025	41.21	21,063
2001	30,274.13	10,767	11,804	33,607	41.96	801
2002	146,423.61	49,038	53,760	165,875	42.72	3,883
2003	188,455.19	59,208	64,909	217,774	43.48	5,009
2004	183,926.94	53,975	59,173	216,717	44.24	4,899
2005	561,429.22	152,967	167,697	674,447	45.01	14,984
2006	154,370.32	38,774	42,508	189,047	45.79	4,129
2007	263,870.07	60,665	66,507	329,298	46.57	7,071
2008	246,826.67	51,497	56,456	313,784	47.35	6,627
2009	220,247.04	41,207	45,175	285,196	48.14	5,924
2010	264,407.34	43,770	47,985	348,626	48.93	7,125
2011	234,892.60	33,825	37,082	315,257	49.72	6,341
2012	194,796.33	23,799	26,091	266,103	50.52	5,267
2013	216,632.85	21,684	23,772	301,177	51.33	5,867
2014	268,805.35	20,967	22,986	380,222	52.14	7,292
2015	249,045.71	13,923	15,264	358,305	52.95	6,767
2016	270,631.20	9,077	9,951	395,996	53.77	7,365
2017	302,560.60	3,381	3,706	450,135	54.59	8,246
	9,995,064.13	4,153,016	4,552,937	10,439,659		259,750

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.2 2.60



## ACCOUNT 369.2 UNDERGROUND SERVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIIRVIVO	R CURVE IOWA	60-R4				
	VAGE PERCENT					
1972	7,555.66	7,958	8,724	2,609	17.87	146
1973	31,215.73	32,300	35,410	11,414	18.61	613
1974	39,365.01	39,985	43,835	15,213	19.37	785
1975	29,451.71	29,356	32,183	11,995	20.13	596
1976	32,666.94	31,924	34,998	14,002	20.91	670
1977 1978	82,593.12 126,012.68	79,063 118,105	86,676 129,478	37,214 59,541	21.71 22.51	1,714 2,645
1979	201,264.96	184,511	202,279	99,618	23.33	4,270
1980	205,011.71	183,689	201,378	106,140	24.16	4,393
1981	228,802.75	200,201	219,480	123,724	25.00	4,949
1982	191,499.97	163,494	179,238	108,012	25.85	4,178
1983	187,144.32	155,750	170,748	109,968	26.71	4,117
1984	207,910.62	168,461	184,683	127,183	27.59	4,610
1985	180,667.27	142,411	156,125	114,876	28.47	4,035
1986	252,633.74	193,519	212,154	166,797	29.36	5,681
1987	186,291.29	138,461	151,794	127,643	30.27	4,217
1988	331,987.35	239,195	262,229	235,752	31.18	7,561
1989	241,664.73	168,561	184,793	177,704	32.10	5,536
1990 1991	322,459.17 242,992.86	217,418 158,188	238,355 173,421	245,334 191,068	33.03 33.96	7,428 5,626
1991	541,613.41	339,860	372,587	439,833	34.90	12,603
1993	209,942.68	126,753	138,959	175,955	35.85	4,908
1994	582,108.33	337,626	370,138	503,024	36.80	13,669
1995	504,930.74	280,744	307,779	449,617	37.76	11,907
1996	1,851,610.69	985,066	1,079,924	1,697,492	38.72	43,840
1997	224,950.32	114,219	125,218	212,207	39.69	5,347
1998	277,137.78	133,995	146,898	268,809	40.66	6,611
1999	368,926.35	169,337	185,644	367,746	41.64	8,832
2000	869,760.16	377,915	414,307	890,333	42.62	20,890
2001	270,536.27	110,919	121,600	284,204	43.60	6,518
2002	451,852.13	174,189	190,963	486,815	44.58	10,920
2003	686,283.93 670,482.69	247,577 225,282	271,418	758,008 758,748	45.57 46.56	16,634
2004 2005	723,092.30	225,262	246,976 246,735	837,903	47.55	16,296 17,622
2005	692,997.09	198,544	217,663	821,833	48.54	16,931
2007	781,508.61	204,560	224,258	948,005	49.53	19,140
2008	531,729.03	126,020	138,155	659,439	50.52	13,053
2009	364,293.25	77,228	84,665	461,775	51.52	8,963
2010	275,842.07	51,650	56,624	357,139	52.51	6,801
2011	305,816.94	49,620	54,398	404,327	53.51	7,556
2012	314,816.40	43,209	47,370	424,855	54.51	7,794



### ACCOUNT 369.2 UNDERGROUND SERVICES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
2013	262,319.98	29,444	32,279	361,201	55.51	6,507
2014	261,183.19	22,852	25,052	366,723	56.50	6,491
2015	263,515.28	16,471	18,057	377,216	57.50	6,560
2016	287,769.99	10,791	11,830	419,825	58.50	7,176
2017	281,384.98	3,516	3,855	418,222	59.50	7,029
	16,185,596.18	7,334,999	8,041,333	16,237,061		384,368

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.2 2.37



## ACCOUNT 370 METERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			( - /	(-,	( - )	( - )
	CURVE IOWA AGE PERCENT					
NEI SALV	AGE PERCENI	-3				
1968	867.33	893	893			
1969	6,137.65	6,322	6,322			
1970	5,791.43	5,965	5,965			
1971	6,282.33	6,471	6,471			
1972	6,678.92	6,879	6,879			
1973	7,509.21	7,734	7,734			
1974	11,408.52	11,751	11,751			
1975	11,218.97	11,556	11,556			
1976	33,425.58	34,428	34,428			
1977	38,950.50	40,119	40,119			
1978	64,289.61	66,218	66,218			
1979	56,963.53	58,672	58,672			
1980	46,654.98	47,406	48,055			
1981 1982	45,621.19 36,138.75	46,027 36,199	46,990 37,223			
1982	45,806.61	45,577	47,181			
1984	49,685.84	49,078	51,176			
1985	73,901.53	72,427	76,119			
1986	106,319.01	103,321	109,509			
1987	178,791.95	172,278	184,156			
1988	105,172.32	100,365	108,327			
1989	113,480.30	107,242	116,885			
1990	87,641.00	81,920	90,270			
1991	130,051.70	120,156	133,953			
1992	141,548.91	129,102	145,795			
1993	69,037.96	62,078	70,364	745	2.54	293
1996	16,528.60	14,113	15,997	1,027	3.42	300
1997	348,994.19	291,885	330,847	28,617	3.76	7,611
1998	76,977.46	62,835	71,222	8,065	4.15	1,943
1999	11,708.29	9,304	10,546	1,514	4.57	331
2000	5,301.14	4,087	4,633	827	5.03	164
2001	18,623.97	13,859	15,709	3,474	5.55	626
2002	318,440.26	227,791	258,197	69,796 11,839	6.11	11,423
2003 2004	46,360.53	31,683	35,912		6.73	1,759
2004	41,192.35 124,035.91	26,730 75,760	30,298 85,873	12,130 41,884	7.40 8.14	1,639 5,145
2005	96,730.92	55,147	62,508	37,125	8.93	4,157
2007	120,552.98	63,513	71,991	52,179	9.77	5,341
2007	75,898.19	36,508	41,381	36,794	10.66	3,452
2009	118,696.61	51,470	58,340	63,918	11.58	5,520
2010	88,313.54	33,929	38,458	52,505	12.54	4,187
- <del>-</del>	,	/	, 3	,		-,-3.



### ACCOUNT 370 METERS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
2011	97,597.65	32,570	36,917	63,609	13.52	4,705
2012	154,983.22	43,819	49,668	109,965	14.51	7,579
2013	205,435.78	47,610	53,965	157,634	15.50	10,170
2014	184,969.26	33,341	37,792	152,726	16.50	9,256
2015	250,012.70	32,189	36,486	221,027	17.50	12,630
2016	189,159.10	14,613	16,563	178,271	18.50	9,636
2017	175,396.50	4,516	5,119	175,539	19.50	9,002
	4,245,284.78	2,637,456	2,891,433	1,481,210		116,869

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 12.7 2.75



### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	R CURVE IOWA	26-L0				
	AGE PERCENT					
1962	6,169.66	6,378	6,992	2,262	8.08	280
1963	12,009.28	12,291	13,475	4,539	8.26	550
1964	7,405.95	7,499	8,221	2,888	8.45	342
1965	7,127.60	7,139	7,826	2,865	8.64	332
1966	5,669.07	5,616	6,157	2,347	8.83	266
1967	7,256.65	7,105	7,789	3,096	9.03	343
1968	5,849.70	5,663	6,208	2,567	9.22	278
1969	8,263.41	7,900	8,661	3,734	9.43	396
1970	9,973.83	9,420	10,327	4,634	9.63	481
1971 1972	7,955.19 9,922.70	7,417	8,131	3,802	9.84	386
1972	17,101.76	9,131 15,530	10,010 17,026	4,874 8,627	10.05 10.26	485 841
1973	6,392.69	5,724	6,275	3,314	10.20	316
1975	7,149.17	6,311	6,919	3,805	10.70	356
1976	10,861.18	9,449	10,359	5,933	10.70	543
1977	6,515.14	5,582	6,120	3,653	11.15	328
1978	9,102.48	7,678	8,417	5,237	11.38	460
1979	10,084.76	8,367	9,173	5,954	11.62	512
1980	4,596.62	3,750	4,111	2,784	11.86	235
1981	7,720.01	6,191	6,787	4,793	12.10	396
1982	9,083.20	7,153	7,842	5,783	12.35	468
1983	7,529.55	5,821	6,382	4,912	12.60	390
1984	7,538.69	5,715	6,265	5,043	12.86	392
1985	1,144.84	851	933	784	13.12	60
1986	10,710.10	7,792	8,542	7,523	13.39	562
1987	3,122.83	2,223	2,437	2,247	13.66	164
1988	232.82	162	178	171	13.93	12
1989	852.44	580	636	643	14.21	45
1990	1,816.23	1,205	1,321	1,403	14.50	97
1991	546.19	353	387	432	14.79	29
1992 1993	10,589.30 6,972.80	6,671 4,272	7,313 4,683	8,571 5,776	15.08 15.38	568 376
1993	7,902.23	4,272	5,153	6,700	15.36	427
1995	2,324.68	1,341	1,470	2,017	16.00	126
1996	5,137.87	2,869	3,145	4,562	16.32	280
1997	931.75	503	551	847	16.65	51
1998	691.88	360	395	643	16.98	38
1999	921.91	462	507	876	17.32	51
2000	2,086.27	1,004	1,101	2,028	17.66	115
2001	2,324.61	1,072	1,175	2,312	18.01	128
2002	628.21	277	304	638	18.37	35



### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR	CURVE IOWA	26-L0				
NET SALV	AGE PERCENT	-50				
2003	1,364.67	572	627	1,420	18.74	76
2004	4,486.91	1,784	1,956	4,774	19.11	250
2006	3,202.08	1,131	1,240	3,563	19.88	179
2007	3,608.42	1,191	1,306	4,107	20.28	203
2011	1,569.86	360	394	1,961	22.03	89
2013	318.25	54	59	418	23.04	18
2014	123.57	17	19	166	23.60	7
2015	4,150.26	433	475	5,750	24.19	238
2016	3,106.96	206	226	4,434	24.85	178
2017	4,534.03	110	120	6,681	25.58	261
	276,680.26	215,385	236,126	178,894		14,039

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 12.7 5.07



### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
1946	246.62	358	358			
1948	16.49	24	24			
1949	286.67	407	416			
1950	3,350.87	4,685	4,859			
1951	409.06	563	593			
1953	1,800.39	2,405	2,611	1.0	2 05	
1954	1,559.79	2,052	2,252	10	3.25	3
1955	753.10	975	1,070	22	3.75	6
1958	1,189.30	1,466	1,609	115 52	5.25	22 9
1959 1961	426.89 343.93	517 403	567 442	52 57	5.75 6.75	8
1961	4,597.75	5,286	5,800	867	7.25	120
1962	1,266.82	1,430	1,569	268	7.25	35
1964	564.71	626	687	132	8.25	16
1965	833.84	907	995	214	8.75	24
1966	6,518.43	6,954	7,630	1,822	9.25	197
1967	8,940.53	9,352	10,262	2,702	9.75	277
1968	6,498.14	6,663	7,311	2,111	10.25	206
1969	16,516.75	16,594	18,208	5,741	10.75	534
1970	3,078.18	3,029	3,324	1,139	11.25	101
1971	7,414.37	7,142	7,837	2,914	11.75	248
1972	3,211.98	3,027	3,321	1,336	12.25	109
1973	4,532.99	4,178	4,584	1,989	12.75	156
1974	5,089.56	4,586	5,032	2,348	13.25	177
1975	45,352.60	39,926	43,809	21,952	13.75	1,597
1976	4,587.50	3,944	4,328	2,324	14.25	163
1977	1,753.22	1,471	1,614	928	14.75	63
1978	1,572.01	1,286	1,411	868	15.25	57
1979	3,296.96	2,629	2,885	1,896	15.75	120
1980	18,933.59	14,707	16,137	11,317	16.25	696
1981	33,231.01	25,125	27,568	20,617	16.75	1,231
1982	52,642.90	38,711	42,476	33,856	17.25	1,963
1983	13,509.59	9,655	10,594	8,995	17.75	507
1984	19,745.39	13,702	15,035	13,596	18.25	745
1985	7,520.42	5,063 77,772	5,555	5,350	18.75	285
1986	119,191.35		85,335	87,492	19.25	4,545
1987 1988	4,510.09 2,824.44	2,849 1,726	3,126 1,894	3,414 2,201	19.75 20.25	173 109
1989	5,270.28	3,111	3,414	4,228	20.25	204
1990	2,977.53	1,696	1,861	2,456	21.25	116
1991	13,831.63	7,593	8,331	11,725	21.75	539
	_0,001.00	. , 555	0,001	,	,	337



### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	35-01				
NET SALV	AGE PERCENT	-45				
1992	16,801.48	8,875	9,738	14,624	22.25	657
1993	10,576.29	5,367	5,889	9,447	22.75	415
1994	4,464.33	2,173	2,384	4,089	23.25	176
1995	26,682.99	12,436	13,645	25,045	23.75	1,055
1996	36,537.40	16,272	17,855	35,124	24.25	1,448
1997	5,289.72	2,246	2,464	5,206	24.75	210
1998	6,222.68	2,514	2,759	6,264	25.25	248
1999	5,325.70	2,041	2,240	5,482	25.75	213
2000	5,779.72	2,095	2,299	6,082	26.25	232
2001	12,091.90	4,133	4,535	12,998	26.75	486
2002	10,516.34	3,377	3,705	11,544	27.25	424
2003	10,611.70	3,187	3,497	11,890	27.75	428
2004	9,153.26	2,560	2,809	10,463	28.25	370
2005	17,158.06	4,443	4,875	20,004	28.75	696
2006	6,892.72	1,642	1,802	8,192	29.25	280
2007	1,837.70	400	439	2,226	29.75	75
2008	4,891.79	963	1,057	6,036	30.25	200
2009	1,779.74	313	343	2,238	30.75	73
2010	10,503.28	1,632	1,791	13,439	31.25	430
2011	3,046.69	410	450	3,968	31.75	125
2012	24,723.04	2,817	3,091	32,757	32.25	1,016
2013	19,545.92	1,822	1,999	26,343	32.75	804
2014	9,702.79	703	771	13,298	33.25	400
2015	7,137.82	370	406	9,944	33.75	295
2016	48,235.50	1,499	1,644	68,297	34.25	1,994
2017	18,574.73	192	211	26,722	34.75	769
	E64 000 05	410.0==	450 400	640 555		00.000
	764,280.96	419,077	459,432	648,775		28,880

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 22.5 3.78



### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			, ,		, ,	, ,
	R CURVE IOWA					
1950	10,690.32	9,983	10,477	2,351	13.31	177
1957	60,719.38	52,996	55,617	17,246	16.36	1,054
1958	17,048.97	14,717	15,445	5,014	16.84	298
1959	8,287.88	7,075	7,425	2,520	17.32	145
1960	146.97	124	130	46	17.82	3
1961	2,727.25	2,273	2,385	888	18.32	48
1964	585.75	470	493	210	19.90	11
1967	1,339.11	1,030	1,081	526	21.56	24
1968	13,356.36	10,113	10,613	5,415	22.14	245
1969	1,961.61	1,463	1,535	819	22.72	36
1971	1,102.75	796	835	488	23.92	20
1973	2,150.00	1,499	1,573	1,007	25.15	40
1974	12,695.09	8,688	9,118	6,116	25.78	237
1979	5,570.67	3,448	3,619	3,066	29.05	106
1981	6,055.25	3,582	3,759	3,507	30.42	115
1984	2,674.00	1,470	1,543	1,666	32.52	51
1985	40,808.47	21,841	22,921	26,049	33.24	784
1986	6,063.35	3,157	3,313	3,963	33.97	117
1987	21,028.00	10,640	11,166	14,068	34.70	405
1988	17,089.30	8,394	8,809	11,698	35.44	330
1989	533,366.87	253,987	266,550	373,490	36.19	10,320
1990	13,515.03	6,233	6,541	9,677	36.94	262
1992	52,661.27	22,676	23,798	39,396	38.47	1,024
1993	71,532.74	29,686	31,154	54,685	39.25	1,393
1994	118,006.75	47,131	49,462	92,146	40.03	2,302
1995	128,840.55	49,448	51,894	102,715	40.81	2,517
1996	31,264.69	11,499	12,068	25,450	41.61	612
1997	31,728.41	11,162	11,714	26,360	42.41	622
2000	4,469.23	1,355	1,422	3,941	44.84	88
2001	1,043.59	299	314	938	45.67	21
2003	66,596.37	16,876	17,711	62,205	47.33	1,314
2006	27,351.63	5,541	5,815	27,007	49.87	542
2008	75,684.78	12,745	13,375	77,447	51.58	1,501
2009	40,200.68	6,070	6,370	41,871	52.45	798
2010	30,671.84	4,098	4,301	32,505	53.32	610
2011	226,233.48	26,244	27,542	243,938	54.20	4,501
2012	23,166.06	2,280	2,393	25,406	55.08	461
	1,425,690.46	115,190	120,887	1,589,942	55.96	28,412
2014	149,780.08	9,436	9,903	169,833	56.85	2,987



### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA VAGE PERCENT	60-R2 -20				
2015	10,735.09	483	507	12,375	57.75	214
2016	14,810.14	403	423	17,349	58.64	296
2017	32,255.12	290	304	38,402	59.55	645
	3,341,705.34	796,891	836,305	3,173,741		65,688

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 48.3 1.97



### ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
1993	13,996.55	12,335	12,597			
1998	4,199.43	3,396	3,567	212	1.32	161
2001	22,270.46	16,790	17,635	2,408	2.11	1,141
2002	18,937.53	13,884	14,583	2,461	2.41	1,021
2003	47,709.46	33,888	35,593	7,346	2.74	2,681
2005	123,022.36	80,911	84,982	25,738	3.50	7,354
2006	25,122.70	15,758	16,551	6,059	3.94	1,538
2007	22,412.56	13,313	13,983	6,188	4.42	1,400
2008	56,399.15	31,393	32,973	17,786	4.96	3,586
2009	135,847.07	69,972	73,493	48,769	5.56	8,771
2011	194,965.89	81,660	85,768	89,701	6.95	12,907
2013	118,530.46	35,942	37,751	68,926	8.62	7,996
2015	41,139.91	7,092	7,449	29,577	10.51	2,814
2017	62,327.27	2,157	2,265	53,830	12.50	4,306
	886,880.80	418,491	439,190	359,003		55,676

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.4 6.28



### ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	R CURVE IOWA	17-L2				
NET SAL	VAGE PERCENT	+10				
1995	62,847.90	39,029	40,959	15,604	5.27	2,961
2001	39,503.89	21,458	22,519	13,035	6.74	1,934
2002	88,950.17	47,185	49,519	30,536	6.98	4,375
2004	163,258.50	81,937	85,990	60,943	7.52	8,104
2005	203,744.25	98,803	103,690	79,680	7.84	10,163
2007	77,634.63	34,484	36,190	33,681	8.61	3,912
2008	62,346.44	26,043	27,331	28,781	9.11	3,159
2009	180,294.35	69,870	73,326	88,939	9.68	9,188
2011	185,328.58	58,085	60,958	105,838	11.08	9,552
2013	174,051.85	39,254	41,195	115,452	12.74	9,062
	1,237,960.56	516,148	541,677	572,488		62,410

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 9.2 5.04



### ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	CURVE IOWA					
1964	2,614.50	2,249	2,360	124	3.31	37
1979	5,583.28	4,158	4,364	940	7.56	124
1980	945.56	695	729	169	7.92	21
1990	1,051.85	648	680	319	12.30	26
1991	25,394.84	15,282	16,038	8,087	12.83	630
1993	34,056.42	19,440	20,402	11,952	13.97	856
1995	11,366.10	6,108	6,410	4,388	15.20	289
1996	19,482.54	10,127	10,628	7,880	15.85	497
1997	73,394.31	36,794	38,614	31,111	16.53	1,882
1999	2,940.13	1,360	1,427	1,366	17.96	76
2002	34,533.71	13,779	14,461	18,346	20.30	904
2004	4,975.76	1,757	1,844	2,883	21.99	131
2007	61,770.71	17,286	18,141	40,541	24.69	1,642
2008	9,231.14	2,348	2,464	6,306	25.63	246
2010	41,531.87	8,398	8,813	30,642	27.55	1,112
2011	147,548.22	25,912	27,193	112,978	28.53	3,960
2013	11,537.30	1,406	1,476	9,484	30.51	311
	487,958.24	167,747	176,044	287,516		12,744

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 22.6 2.61



### ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	R CURVE IOWA	9-S4				
NET SAL	VAGE PERCENT	+10				
2008	107,274.52	84,854	89,051	7,496	1.09	6,877
2009	572,307.18	431,521	452,864	62,212	1.46	42,611
2011	261,757.57	165,430	173,612	61,970	2.68	23,123
2013	278,532.02	125,061	131,246	119,433	4.51	26,482
2017	175,709.52	8,786	9,221	148,918	8.50	17,520
	1,395,580.81	815,652	855,994	400,029		116,613

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.4 8.36



### ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	R CURVE IOWA VAGE PERCENT	15-L2	· ,	, - <i>,</i>	( - )	, ,
1993	248,106.55	161,542	169,532	41,359	3.51	11,783
1996	10,146.52	6,192	6,498	2,127	4.23	503
2002	522,951.85	275,004	288,605	155,904	5.72	27,256
2004	119,262.19	59,472	62,413	38,960	6.20	6,284
2006	455,677.90	212,770	223,294	164,032	6.76	24,265
2008	215,540.47	91,605	96,136	87,073	7.50	11,610
2009	88,490.27	35,252	36,996	38,221	7.97	4,796
2010	539,865.79	197,628	207,402	251,484	8.54	29,448
2011	616,380.26	202,234	212,236	311,687	9.21	33,842
2012	181,044.76	51,706	54,264	99,624	9.96	10,002
2013	40,116.16	9,570	10,043	24,056	10.79	2,229
	3,037,582.72	1,302,975	1,367,419	1,214,526		162,018

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 7.5 5.33



## **UTAH PROPERTY**



### ACCOUNT 360.2 LAND RIGHTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			( - /	( - /	( - )	( , ,
	OR CURVE IOWA LVAGE PERCENT					
NEI SE	ALVAGE PERCENI	U				
1926	6.00	6	6			
1938	22.50	21	22			
1941	11.16	10	11			
1946	11.68	10	11	1	6.94	
1958	9.84	8	9	1	12.45	
1964	15.13	11	12	3	16.36	
1982	5,503.97	2,915	3,107	2,397	30.58	78
1984	27,888.69	14,000	14,922	12,967	32.37	401
1985	2,025.84	989	1,054	972	33.28	29
1986	5,208.00	2,468	2,630	2,578	34.20	75
1990	10,904.38	4,541	4,840	6,064	37.93	160
1991	7,007.95	2,816	3,001	4,007	38.88	103
1992	21,934.92	8,494	9,053	12,882	39.83	323
1993	136,651.69	50,897	54,247	82,405	40.79	2,020
1994	5,487,241.48	1,962,731	2,091,932	3,395,309	41.75	81,325
1995	206,383.37	70,742	75,399	130,984	42.72	3,066
1997	44,253.33	13,848	14,760	29,493	44.66	660
1998	53,514.23	15,939	16,988	36,526	45.64	800
1999	2,601.90	736	784	1,818	46.62	39
2000	33,367.04	8,932	9,520	23,847	47.60	501
2002	79,566.04	18,887	20,130	59,436	49.57	1,199
2003	115,249.27	25,603	27,288	87,961	50.56	1,740
2004	49,495.94	10,242	10,916	38,580	51.55	748
2006	137,838.19	24,323	25,924	111,914	53.53	2,091
2007	1,673.69	270	288	1,386	54.53	25
2008	275,817.57	40,228	42,876	232,942	55.52	4,196
2009	320,939.21	41,870	44,626	276,313	56.52	4,889
2010	213,513.05	24,603	26,223	187,290	57.51	3,257
2011	750,553.71	74,943	79,876	670,678	58.51	11,463
2012	482,975.54	40,792	43,477	439,499	59.51	7,385
2013	1,607,777.62	111,065	118,377	1,489,401	60.51	24,614
2015	363,184.51	13,968	14,887	348,298	62.50	5,573
2016	404,203.16	9,329	9,944	394,259	63.50	6,209
2017	18,685.37	144	153	18,532	64.50	287
	10,866,035.97	2,596,381	2,767,293	8,098,743		163,256

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 49.6 1.50



### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	60-R2				
	AGE PERCENT					
1910	22,815.55	24,675	25,097			
1913	2,316.92	2,472	2,549			
1914	954.40	1,014	1,050			
1923	1,049.10	1,066	1,136	18	4.60	4
1926	1,863.99	1,863	1,986	64	5.47	12
1927	1,685.75	1,676	1,787	67	5.76	12
1929	2,301.45	2,264	2,413	119	6.34	19 36
1930 1937	4,184.58 1,121.87	4,094	4,364 1,125	239 109	6.63 8.73	12
1937	1,988.00	1,055 1,857	1,125	208	9.04	23
1940	851.61	785	837	100	9.69	10
1941	8,398.26	7,697	8,205	1,033	10.01	103
1942	600.21	546	582	78	10.35	8
1946	490.76	434	463	77	11.76	7
1947	498.12	437	466	82	12.14	7
1948	632.44	551	587	109	12.52	9
1949	10,801.72	9,325	9,940	1,942	12.91	150
1950	100.00	86	92	18	13.31	1
1951	17,744.82	15,059	16,052	3,467	13.71	253
1952	28,622.85	24,070	25,657	5,828	14.13	412
1953	32,877.76	27,389	29,195	6,971	14.56	479
1954	3,297.37	2,721	2,900	727	14.99	48
1955	25,566.21	20,886	22,263	5,860	15.44	380
1956	37,679.43	30,464	32,473	8,974	15.90	564
1957	99,599.26	79,686	84,940	24,619	16.36	1,505
1958	52,341.55	41,416	44,147	13,429	16.84	797
1959	19,329.04	15,124	16,121	5,141	17.32	297
1960	28,303.27	21,887	23,330	7,804	17.82	438
1961	43,250.10	33,049	35,228	12,347	18.32	674
1962	30,141.34	22,745	24,245	8,910	18.84	473
1963	22,247.05	16,575	17,668	6,804	19.36	351
1964	204,497.15	150,339	160,252	64,695	19.90	3,251
1965	31,018.15	22,496	23,979	10,141	20.44	496
1966	32,162.94	22,997	24,513	10,866	21.00	517
1967 1968	19,560.82	13,785	14,694	6,823	21.56	316
1969	19,771.55 29,502.84	13,723 20,164	14,628 21,494	7,121 10,959	22.14 22.72	322 482
1970	138,948.94	93,464	99,627	53,217	23.31	2,283
1970	27,222.85	18,007	19,194	10,751	23.31	449
1971	14,801.81	9,625	10,260	6,022	24.53	245
1972	70,695.25	45,168	48,146	29,619	25.15	1,178
1713	10,000.20	13,100	40,140	20,010	20.10	1,170



### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

TTT D	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS (5)	LIFE	ACCRUAL (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	60-R2				
NET SAI	LVAGE PERCENT	-10				
1974	66,342.68	41,621	44,365	28,612	25.78	1,110
1975	34,771.53	21,413	22,825	15,424	26.41	584
1976	14,322.77	8,650	9,220	6,535	27.06	242
1977	80,315.53	47,546	50,681	37,666	27.71	1,359
1978	52,123.26	30,216	32,208	25,128	28.38	885
1979	92,226.64	52,331	55,782	45,667	29.05	1,572
1980	64,848.18	35,987	38,360	32,973	29.73	1,109
1981 1982	100,089.51 139,962.97	54,279	57,858 79,019	52,240	30.42 31.11	1,717
1983	42,571.41	74,131 22,001	23,452	74,940 23,377	31.81	2,409 735
1984	151,192.69	76,171	81,194	85,118	32.52	2,617
1985	113,212.41	55,542	59,204	65,330	33.24	1,965
1986	350,877.43	167,443	178,484	207,481	33.27	6,108
1987	278,638.03	129,243	137,765	168,737	34.70	4,863
1988	657,959.38	296,255	315,790	407,965	35.44	11,511
1989	978,987.38	427,341	455,520	621,366	36.19	17,170
1990	195,707.30	82,738	88,194	127,084	36.94	3,440
1991	241,628.74	98,787	105,301	160,491	37.70	4,257
1992	745,640.31	294,314	313,721	506,483	38.47	13,166
1993	642,148.76	244,282	260,390	445,974	39.25	11,362
1994	825,607.99	302,266	322,197	585,972	40.03	14,638
1995	1,554,123.11	546,761	582,814	1,126,721	40.81	27,609
1996	99,010.56	33,381	35,582	73,330	41.61	1,762
1997	1,757,638.79	566,816	604,192	1,329,211	42.41	31,342
1998	612,285.02	188,469	200,897	472,617	43.21	10,938
1999	1,219,071.68	357,143	380,693	960,286	44.02	21,815
2000	1,640,582.47	455,979	486,046	1,318,595	44.84	29,407
2001	1,246,928.01	327,584	349,185	1,022,436	45.67	22,387
2002	849,773.71	210,478	224,357	710,394	46.49	15,281
2003	4,115,334.57	955,939	1,018,973	3,507,895	47.33	74,116
2004	2,680,167.53	581,293	619,623	2,328,561	48.17	48,340
2005	1,445,594.24	291,268	310,474	1,279,680	49.01	26,111
2006	2,618,559.54	486,301	518,368	2,362,047	49.87	47,364
2007	3,076,611.74	523,445	557,961	2,826,312	50.72	55,724
2008 2009	4,465,537.33 6,174,644.99	689,314 854,651	734,767 911,007	4,177,324 5,881,102	51.58 52.45	80,987 112,128
2010	1,960,211.11	240,053	255,882	1,900,350	53.32	35,640
2010	3,452,802.98	367,161	391,371	3,406,712	54.20	62,854
2011	5,120,430.26	461,863	492,318	5,140,155	55.08	93,322
2012	1,998,894.98	148,044	157,806	2,040,978	55.96	36,472
2013	991,967.59	57,286	61,064	1,030,100	56.85	18,120
2011	JJ = 1 J O 1 • J J	37,200	01,001	1,000,100	50.05	10,120



### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA ALVAGE PERCENT					
2015	279,330.67	11,522	12,282	294,982	57.75	5,108
2016 2017	42,325.51 946,303.71	1,055 7,807	1,125 8,321	45,433 1,032,613	58.64 59.55	775 17,340
2017	940,303.71	7,007	0,321	1,032,013	39.33	17,340
	55,309,142.08	11,748,906	12,522,302	48,317,754		994,384
	COMPOSITE REMAIN	TNG LIFE AND	ANNIJAT, ACCRIJAT,	RATE. PERCENT	48.6	1.80



### ACCOUNT 362 STATION EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			( - /	( - /	( - /	( ' '
	CURVE IOWA					
NET SALV	AGE PERCENT	-15				
1910	2,926.87	3,366	3,366			
1912	400.00	460	460			
1913	263.47	303	303			
1915	659.96	759	759			
1916	1,370.23	1,576	1,576			
1917	2,502.97	2,878	2,878			
1918	12,120.54	13,869	13,939			
1919	1,503.59	1,709	1,729			
1920	31.81	36	37			
1921	13,361.85	14,970	15,366			
1922	748.60	832	861			
1923	9,976.68	11,010	11,473			
1924	3,001.74	3,287	3,452			
1925	1,861.23	2,022	2,140	1	2 12	
1926	1,702.85	1,836	1,957	1	3.13	17
1927 1928	6,085.91 8,542.81	6,509 9,062	6,938 9,659	61 165	3.50 3.88	17 43
1928	5,719.34	6,018	6,414	163	4.25	38
1930	17,615.89	18,382	19,592	666	4.63	144
1931	5,489.97	5,681	6,055	258	5.01	51
1932	1,031.68	1,059	1,129	57	5.38	11
1933	526.81	536	571	35	5.76	6
1935	1,571.00	1,571	1,674	133	6.53	20
1936	6,599.91	6,541	6,972	618	6.91	89
1937	8,003.15	7,860	8,378	826	7.30	113
1938	8,523.09	8,296	8,842	960	7.68	125
1939	8,122.38	7,833	8,349	992	8.07	123
1940	6,661.82	6,365	6,784	877	8.46	104
1941	22,505.12	21,300	22,703	3,178	8.85	359
1942	15,616.94	14,641	15,605	2,354	9.24	255
1943	4,989.67	4,632	4,937	801	9.64	83
1944	9,967.11	9,163	9,766	1,696	10.03	169
1945	6,270.49	5,707	6,083	1,128	10.43	108
1946	25,781.56	23,227	24,756	4,893	10.83	452
1947	24,954.27	22,252	23,717	4,980	11.23	443
1948	175,171.18	154,590	164,769	36,678	11.63	3,154
1949 1950	167,627.92 131,404.58	146,391 113,518	156,030 120,993	36,742 30,122	12.03 12.44	3,054 2,421
1950	71,155.42	60,799	64,802	17,027	12.44	1,325
1951	127,360.05	107,651	114,739	31,725	13.25	2,394
1953	256,326.92	214,184	228,287	66,489	13.23	4,864
1,00	150,520.52	211,101	220,207	00,100	10.07	1,001



## ACCOUNT 362 STATION EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SIIRWIN	OR CURVE IOWA	50-80				
	ALVAGE PERCENT					
1954	264,494.45	218,515	232,904	71,265	14.08	5,061
1955	360,613.10	294,524	313,917	100,788	14.49	6,956
1956	253,047.73	204,227	217,675	73,330	14.91	4,918
1957	585,925.31	467,223	497,988	175,826	15.33	11,469
1958	275,451.40	216,987	231,275	85,494	15.75	5,428
1959	302,603.88	235,383	250,882	97,112	16.18	6,002
1960	780,141.68	599,305	638,767	258,396	16.60	15,566
1961	666,958.95	505,762	539,065	227,938	17.03	13,384
1962 1963	561,945.06 341,834.72	420,571 252,377	448,264 268,995	197,973 124,115	17.46 17.90	11,339 6,934
1964	861,315.72	627,391	668,703	321,810	18.33	17,556
1965	286,861.22	206,050	219,618	110,272	18.77	5,875
1966	361,679.13	256,130	272,995	142,936	19.21	7,441
1967	625,593.40	436,552	465,298	254,134	19.66	12,926
1968	507,313.53	348,880	371,853	211,558	20.10	10,525
1969	1,042,008.24	705,804	752,279	446,030	20.55	21,705
1970	350,889.28	233,962	249,368	154,155	21.01	7,337
1971	401,600.49	263,619	280,977	180,864	21.46	8,428
1972	448,359.05	289,568	308,635	206,978	21.92	9,442
1973	1,141,731.29	725,034	772,775	540,216	22.39	24,128
1974	746,754.77	466,311	497,016	361,752	22.85	15,832
1975	2,897,400.93	1,777,961	1,895,034	1,436,977	23.32	61,620
1976	2,495,231.67	1,503,627	1,602,636	1,266,880	23.80	53,230
1977	1,251,118.98	740,400	789,153	649,634	24.27	26,767
1978	917,324.43	532,525	567,590	487,333	24.76	19,682
1979	1,430,769.88	814,795	868,447	776,938	25.24	30,782
1980	1,309,713.58 3,102,844.69	731,095	779,235	726,936	25.73	28,252
1981 1982	2,304,078.93	1,696,356 1,233,696	1,808,056 1,314,931	1,760,215 1,334,760	26.23 26.72	67,107 49,954
1983	2,752,372.46	1,441,445	1,534,351	1,628,868	27.23	59,819
1984	2,638,820.98	1,351,024	1,439,985	1,594,659	27.23	57,486
1985	2,060,606.19	1,030,818	1,098,694	1,271,003	28.25	44,991
1986	3,613,208.08	1,764,293	1,880,466	2,274,723	28.77	79,066
1987	2,342,515.94	1,115,811	1,189,284	1,504,609	29.29	51,369
1988	1,110,594.68	515,471	549,413	727,771	29.82	24,405
1989	5,640,591.25	2,547,968	2,715,744	3,770,936	30.36	124,207
1990	2,005,996.62	881,234	939,261	1,367,635	30.90	44,260
1991	3,593,769.27	1,533,282	1,634,244	2,498,591	31.45	79,446
1992	8,582,666.03	3,553,224	3,787,193	6,082,873	32.00	190,090
1993	10,683,324.35	4,285,295	4,567,468	7,718,355	32.56	237,050
1994	11,418,935.13	4,430,661	4,722,406	8,409,369	33.13	253,829



### ACCOUNT 362 STATION EQUIPMENT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA ALVAGE PERCENT					
1995	13,440,087.89	5,035,598	5,367,177	10,088,924	33.71	299,286
1996	3,496,372.55	1,263,344	1,346,531	2,674,297	34.29	77,991
1997	15,483,124.74	5,380,850	5,735,162	12,070,431	34.89	345,957
1998	9,184,324.09	3,065,084	3,266,910	7,295,063	35.49	205,553
1999	13,427,050.45	4,292,628	4,575,284	10,865,824	36.10	300,992
2000	19,667,936.15	6,007,374	6,402,941	16,215,186	36.72	441,590
2001	24,373,165.14	7,091,372	7,558,317	20,470,823	37.35	548,081
2002	19,989,377.64	5,521,666	5,885,251	17,102,533	37.99	450,185
2003	28,448,318.85	7,432,977	7,922,416	24,793,151	38.64	641,645
2004	26,279,592.51	6,467,408	6,893,267	23,328,264	39.30	593,595
2005	19,169,409.35	4,417,782	4,708,679	17,336,142	39.98	433,620
2006	14,172,416.06	3,041,259	3,241,516	13,056,762	40.67	321,042
2007	16,096,775.11	3,195,049	3,405,433	15,105,858	41.37	365,140
2008	24,135,197.47	4,390,916	4,680,044	23,075,433	42.09	548,240
2009	42,084,009.99	6,940,074	7,397,057	40,999,554	42.83	957,263
2010	13,379,294.68	1,975,587	2,105,673	13,280,516	43.58	304,739
2011	19,144,231.19	2,487,793	2,651,606	19,364,260	44.35	436,624
2012	24,466,235.51	2,729,209	2,908,919	25,227,252	45.15	558,743
2013	12,564,315.87	1,167,476	1,244,351	13,204,612	45.96	287,307
2014	15,568,634.35	1,145,851	1,221,302	16,682,628	46.80	356,466
2015	6,153,060.30	329,743	351,456	6,724,563	47.67	141,065
2016	2,769,938.43	91,103	97,102	3,088,327	48.57	63,585
2017	17,645,500.47	198,865	211,959	20,080,367	49.51	405,582
	485,633,432.64	126,166,845	134,472,042	424,006,406		10,915,920



COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 38.8 2.25

## ACCOUNT 364 POLES, TOWERS AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			( - /	( - /	( - )	( - /
	CURVE IOWA AGE PERCENT					
1918	185.94	342	344			
1919	931.07	1,697	1,722			
1920	1,368.62	2,470	2,532			
1921	1,324.65	2,367	2,451			
1922	2,638.83	4,668	4,882			
1923	3,747.10	6,563	6,932		2 12	
1924	3,573.57	6,197	6,605	6	3.13	2
1925	5,410.90	9,291	9,903	107	3.59	30
1926	5,661.41	9,627	10,261	213	4.04	53 52
1927 1928	4,234.26 8,008.98	7,130 13,356	7,599 14,235	234 582	4.49 4.93	118
1928	10,479.36	17,309	18,448	939	5.36	175
1929	17,482.49	28,597	30,480	1,863	5.79	322
1931	14,273.55	23,126	24,648	1,758	6.21	283
1932	3,404.19	5,464	5,824	474	6.62	72
1933	2,753.48	4,378	4,666	428	7.03	61
1934	5,042.53	7,941	8,464	865	7.44	116
1935	7,087.73	11,056	11,784	1,328	7.84	169
1936	12,907.79	19,944	21,257	2,622	8.24	318
1937	14,748.03	22,569	24,055	3,229	8.64	374
1938	11,063.91	16,768	17,872	2,596	9.04	287
1939	18,802.88	28,225	30,083	4,702	9.43	499
1940	23,025.26	34,222	36,475	6,122	9.83	623
1941	29,004.63	42,680	45,490	8,169	10.23	799
1942	17,346.49	25,275	26,939	5,152	10.62	485
1943	20,163.32	29,081	30,995	6,307	11.02	572
1944	26,043.50	37,176	39,623	8,557	11.42	749
1945	27,807.66	39,283	41,869	9,575	11.82	810
1946	71,649.00	100,155	106,748	25,803	12.22	2,112
1947	88,520.61	122,429	130,489	33,274	12.62	2,637
1948	138,792.57	189,904	202,405	54,361	13.02	4,175
1949	103,569.45	140,139	149,364	42,239	13.43	3,145
1950	95,817.46	128,196	136,635	40,627	13.84	2,935
1951	144,662.27	191,352	203,949	63,676	14.25	4,468
1952	130,433.34	170,504	181,728	59,574	14.67	4,061
1953	202,832.35 169,363.30	261,992	279,239 230,358	96,001 82,064	15.09	6,362 5,349
1954 1955	195,763.33	216,130 246,777	263,022	82,964 99,140	15.51 15.93	5,349 6,223
1955	236,825.73	294,772	314,177	123,951	16.36	7,576
1957	258,362.73	317,373	338,266	139,705	16.80	8,316
1958	317,341.82	384,774	410,104	176,978	17.23	10,272
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## ACCOUNT 364 POLES, TOWERS AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIV	OR CURVE IOWA	50-R0.5				
	ALVAGE PERCENT					
1959	345,392.35	413,162	440,361	198,615	17.67	11,240
1960	460,196.03	542,829	578,564	272,799	18.12	15,055
1961	462,379.82	537,706	573,103	282,300	18.57	15,202
1962	421,652.23	483,323	515,140	264,917	19.02	13,928
1963	863,004.37 662,354.01	974,539	1,038,693	557,865	19.48 19.94	28,638
1964 1965	551,744.00	736,683 604,270	785,179 644,049	440,176 376,677	20.40	22,075 18,465
1966	676,969.98	729,645	777,678	474,716	20.87	22,746
1967	551,761.73	584,895	623,399	397,360	21.35	18,612
1968	654,538.95	682,219	727,130	483,767	21.83	22,161
1969	683,237.59	699,997	746,078	517,912	22.31	23,214
1970	739,859.84	744,595	793,612	575,129	22.80	25,225
1971	805,761.64	796,310	848,731	641,928	23.29	27,562
1972	918,932.44	891,153	949,818	750,207	23.79	31,535
1973	1,249,416.60	1,188,070	1,266,281	1,045,140	24.30	43,010
1974	1,316,716.39	1,227,706	1,308,526	1,127,399	24.80	45,460
1975	1,655,323.25	1,511,575	1,611,082	1,451,266	25.32	57,317
1976	1,831,185.26 2,387,400.55	1,637,611	1,745,415	1,642,278	25.83	63,580
1977 1978	2,367,400.55	2,089,095 2,540,280	2,226,620 2,707,507	2,190,071 2,786,178	26.35 26.88	83,115 103,652
1979	2,909,339.34	2,423,970	2,583,540	2,780,178	27.41	101,481
1980	3,133,996.27	2,558,030	2,726,425	3,071,468	27.94	109,931
1981	3,305,177.30	2,631,714	2,804,960	3,309,618	28.48	116,208
1982	6,610,832.28	5,131,725	5,469,547	6,760,493	29.02	232,960
1983	3,560,745.08	2,691,603	2,868,792	3,718,586	29.57	125,755
1984	5,456,463.87	4,013,557	4,277,770	5,816,688	30.12	193,117
1985	6,168,591.55	4,409,556	4,699,838	6,712,056	30.68	218,776
1986	7,483,748.32	5,194,619	5,536,581	8,308,353	31.24	265,952
1987	3,976,608.36	2,677,848	2,854,131	4,502,594	31.80	141,591
1988	3,285,940.09	2,144,667	2,285,851	3,793,138	32.36	117,217
1989	2,936,658.46	1,854,764	1,976,863	3,455,955	32.93	104,949
1990	4,053,266.71	2,473,020	2,635,819	4,862,724	33.51	145,113
1991	3,436,646.19 5,104,524.62	2,024,322	2,157,583	4,200,212	34.08	123,246
1992 1993	6,228,917.80	2,897,226 3,401,737	3,087,951 3,625,674	6,355,420 7,897,824	34.66 35.24	183,365 224,115
1994	6,909,553.50	3,401,737	3,863,811	8,918,863	35.82	248,991
1995	10,737,294.53	5,399,034	5,754,453	14,109,542	36.41	387,518
1996	11,330,903.72	5,450,165	5,808,950	15,153,222	37.00	409,547
1997	15,333,654.07	7,040,754	7,504,248	20,863,012	37.59	555,015
1998	10,714,423.00	4,685,846	4,994,316	14,827,367	38.18	388,354
1999	10,095,254.45	4,194,679	4,470,815	14,205,406	38.77	366,402



### ACCOUNT 364 POLES, TOWERS AND FIXTURES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA ALVAGE PERCENT					
2000	11,502,312.78	4,528,230	4,826,324	16,452,955	39.36	418,012
2001	8,870,091.19	3,295,061	3,511,975	12,897,694	39.96	322,765
2002	8,675,788.16	3,030,279	3,229,763	12,820,445	40.56	316,086
2003	10,100,992.67	3,303,833	3,521,325	15,165,511	41.16	368,453
2004	11,683,565.46	3,562,085	3,796,578	17,818,018	41.76	426,677
2005	13,125,563.24	3,710,334	3,954,586	20,327,706	42.36	479,880
2006	9,044,906.53	2,356,017	2,511,114	14,221,963	42.96	331,051
2007	13,993,083.08	3,334,272	3,553,768	22,333,436	43.56	512,705
2008	13,803,416.94	2,977,535	3,173,546	22,362,775	44.17	506,289
2009	13,356,567.02	2,579,687	2,749,508	21,960,141	44.78	490,401
2010	13,807,004.39	2,360,169	2,515,539	23,027,419	45.38	507,435
2011	19,670,329.50	2,918,487	3,110,611	33,279,499	45.99	723,625
2012	12,312,737.58	1,544,387	1,646,054	21,132,511	46.61	453,390
2013	11,640,695.09	1,197,362	1,276,185	20,259,101	47.22	429,036
2014	12,568,035.22	1,009,088	1,075,516	22,175,349	47.83	463,628
2015	15,077,679.89	864,705	921,629	26,972,079	48.45	556,699
2016	14,361,196.62	494,169	526,700	26,041,514	49.07	530,701
2017	12,812,745.99	146,962	156,637	23,546,943	49.69	473,877
	381,829,828.86	142,973,626	152,385,164	554,000,019		13,836,705

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.0 3.62



### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	54-R0.5				
NET SALV	AGE PERCENT	-40				
1914	211.35	284	296			
1915	475.46	633	666			
1916	1,245.65	1,643	1,744			
1917	1,475.51	1,928	2,055	11	3.60	3
1918	1,297.58	1,680	1,791	26	4.06	6
1919	2,661.19	3,414	3,639	87	4.51	19
1920	2,810.39	3,573	3,808	127	4.96	26
1921	2,234.88	2,817	3,002	127	5.39	24
1922	3,940.84	4,923	5,247	270	5.82	46
1923	5,108.87	6,325	6,741	411	6.25	66
1924	4,555.76	5,590	5,958	420	6.67	63
1925	6,820.12	8,296	8,842	706	7.08	100
1926	6,808.45	8,208	8,748	784	7.50	105
1927	4,945.00	5,910	6,299	624	7.90	79
1928	8,826.25	10,455	11,143	1,214	8.31	146
1929	11,831.36	13,892	14,806	1,758	8.71	202
1930	19,067.80	22,191	23,652	3,043	9.11	334
1931	14,738.40	17,000	18,119	2,515	9.51	264
1932	3,702.38	4,233	4,512	671	9.90	68
1933	2,844.57	3,223	3,435	547	10.30	53
1934	4,918.21	5,521	5,884	1,001	10.70	94
1935 1936	6,803.14 12,242.51	7,568 13,493	8,066 14,381	1,458	11.09	131
1936	19,702.11			2,759	11.49	240 392
1937	14,275.32	21,515 15,441	22,931 16,457	4,652 3,528	11.88 12.28	287
1939	21,734.33	23,283	24,816	5,612	12.28	443
1939	21,734.33	23,263	24,810	5,012	13.08	452
1941	30,238.45	31,766	33,857	8,477	13.48	629
1942	13,584.81	14,127	15,057	3,962	13.89	285
1943	15,255.15	15,705	16,739	4,618	14.29	323
1944	18,963.25	19,322	20,594	5,955	14.70	405
1945	21,969.00	22,151	23,609	7,148	15.11	473
1946	62,423.71	62,260	66,358	21,035	15.53	1,354
1947	94,942.56	93,683	99,850	33,070	15.94	2,075
1948	116,897.63	114,075	121,584	42,073	16.36	2,572
1949	91,960.32	88,738	94,579	34,165	16.78	2,036
1950	82,564.98	78,752	83,936	31,655	17.21	1,839
1951	123,209.41	116,145	123,791	48,702	17.64	2,761
1952	92,250.14	85,933	91,590	37,560	18.07	2,079
1953	183,825.57	169,139	180,273	77,083	18.51	4,164
1954	161,319.42	146,591	156,241	69,606	18.95	3,673
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### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
1955	180,315.72	161,798	172,449	79,993	19.39	4,125
1956	209,448.40	185,493	197,704	95,524	19.84	4,815
1957	224,770.44	196,441	209,372	105,307	20.29	5,190
1958	302,381.01	260,744	277,908	145,425	20.74	7,012
1959	263,658.92	224,209	238,968	130,154	21.20	6,139
1960	360,167.38	301,981	321,860	182,374	21.66	8,420
1961	453,380.00	374,612	399,272	235,460	22.13	10,640
1962	358,960.55	292,220	311,456	191,089	22.60	8,455
1963 1964	681,712.29 513,239.31	546,478 405,038	582,451 431,701	371,946 286,834	23.08 23.56	16,116 12,175
1965	418,067.27	324,727	346,103	239,191	24.04	9,950
1966	358,733.46	274,085	292,127	210,100	24.53	8,565
1967	634,347.46	476,609	507,983	380,103	25.02	15,192
1968	555,454.05	410,133	437,131	340,505	25.52	13,343
1969	551,354.49	399,958	426,286	345,610	26.02	13,282
1970	612,821.77	436,602	465,342	392,608	26.52	14,804
1971	603,944.61	422,288	450,086	395,436	27.03	14,630
1972	742,151.86	508,919	542,420	496,593	27.55	18,025
1973	1,022,547.17	687,681	732,949	698,617	28.06	24,897
1974	1,153,270.92	759,756	809,769	804,810	28.59	28,150
1975	1,794,706.32	1,158,128	1,234,365	1,278,224	29.11	43,910
1976	1,816,539.11	1,147,243	1,222,763	1,320,392	29.64	44,548
1977	2,429,996.71	1,500,654	1,599,438	1,802,557	30.18	59,727
1978	2,831,822.17	1,709,158	1,821,667	2,142,884	30.72	69,755
1979	2,554,551.67	1,506,046	1,605,185	1,971,187	31.26	63,058
1980	2,537,353.67 2,660,611.49	1,459,745	1,555,836	1,996,459	31.81	62,762
1981 1982	5,005,828.72	1,492,699 2,737,107	1,590,960 2,917,284	2,133,896 4,090,876	32.36 32.91	65,942 124,305
1983	2,553,582.62	1,359,185	1,448,657	2,126,359	33.47	63,530
1984	4,438,348.54	2,297,884	2,449,148	3,764,540	34.03	110,624
1985	4,522,752.58	2,275,921	2,425,739	3,906,115	34.59	112,926
1986	5,076,029.29	2,479,366	2,642,576	4,463,865	35.16	126,959
1987	2,902,361.63	1,374,738	1,465,233	2,598,073	35.73	72,714
1988	2,201,683.23	1,010,335	1,076,843	2,005,514	36.30	55,248
1989	2,176,865.35	966,215	1,029,818	2,017,793	36.88	54,712
1990	2,977,364.13	1,277,504	1,361,599	2,806,711	37.45	74,946
1991	2,483,139.06	1,027,483	1,095,120	2,381,275	38.04	62,599
1992	4,359,877.50	1,738,431	1,852,867	4,250,962	38.62	110,072
1993	5,478,354.73	2,102,034	2,240,406	5,429,291	39.20	138,502
1994	6,479,917.26	2,387,266	2,544,414	6,527,470	39.79	164,048
1995	6,893,274.72	2,434,070	2,594,299	7,056,286	40.38	174,747



### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	54-R0.5				
	ALVAGE PERCENT					
1996	6,022,932.66	2,034,667	2,168,604	6,263,502	40.97	152,880
1997	8,727,336.51	2,814,723	3,000,009	9,218,262	41.56	221,806
1998	6,426,156.50	1,972,599	2,102,450	6,894,169	42.16	163,524
1999	5,085,831.63	1,483,344	1,580,989	5,539,175	42.75	129,571
2000	7,249,518.78	2,001,650	2,133,413	8,015,913	43.35	184,911
2001	10,525,318.41	2,742,414	2,922,940	11,812,506	43.95	268,771
2002	7,954,782.97	1,948,922	2,077,214	9,059,482	44.55	203,355
2003	10,125,752.35	2,323,313	2,476,251	11,699,802	45.15	259,132
2004	8,905,591.62	1,904,835	2,030,225	10,437,603	45.75	228,144
2005	6,786,033.89	1,345,928	1,434,527	8,065,920	46.35	174,022
2006	4,235,005.36	774,091	825,047	5,103,961	46.95	108,711
2007	5,458,422.83	911,360	971,353	6,670,439	47.56	140,253
2008	8,395,464.19	1,271,157	1,354,834	10,398,816	48.16	215,922
2009	6,646,667.38	901,222	960,547	8,344,787	48.77	171,105
2010	7,773,099.66	931,093	992,384	9,889,956	49.38	200,283
2011	8,553,667.13	889,273	947,812	11,027,322	49.99	220,591
2012	4,749,840.89	418,670	446,230	6,203,547	50.60	122,600
2013	4,850,026.56	349,551	372,561	6,417,476	51.22	125,292
2014	3,776,201.98	212,472	226,458	5,060,225	51.83	97,631
2015	4,648,816.86	186,789	199,085	6,309,259	52.45	120,291
2016	6,338,559.93	152,810	162,869	8,711,115	53.07	164,144
2017	6,322,904.95	50,811	54,156	8,797,911	53.69	163,865
	235,250,269.85	72,007,409	76,747,447	252,602,931		5,964,674

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.3 2.54



### ACCOUNT 366 UNDERGOUND CONDUIT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GIIDIIIIIOD						
	CURVE IOWA AGE PERCENT					
NEI SALVI	AGE PERCENT	-43				
1912	428.89	606	622			
1915	50.83	71	74			
1916	82.01	114	119			
1917	82.87	114	120			
1918	13.61	19	20			
1919	41.29	56	60			
1920	20.39	28	30	_		
1921	60.62	82	87	1	3.93	
1922	118.24	160	171	4	4 20	1
1923	235.27	316	337	4	4.39	1
1924	642.99	861	918	14	4.61	3
1925 1926	206.87 92.58	276	294	6 3	4.83	1
1926	67.40	123 89	131 95	3	5.05 5.27	1 1
1927	374.33	493	525	18	5.49	3
1929	278.14	365	389	14	5.70	2
1930	912.24	1,192	1,270	53	5.93	9
1931	529.35	689	734	34	6.15	6
1932	85.72	111	118	6	6.38	1
1933	25.75	33	35	2	6.61	_
1934	20.60	26	28	2	6.84	
1935	67.47	86	92	6	7.07	1
1936	231.34	295	314	21	7.31	3
1937	739.66	938	1,000	73	7.55	10
1938	480.06	606	646	50	7.80	6
1939	334.19	420	448	37	8.05	5
1940	93.62	117	125	11	8.30	1
1941	37.95	47	50	5	8.56	1
1942	29.67	37	39	4	8.83	
1943	278.79	343	366	38	9.11	4
1944	283.11	346	369	42	9.39	4
1945	42.82	52	55	7	9.68	1
1946	1,060.13	1,282	1,366	171	9.98	17
1948	5,532.16	6,602	7,037	985	10.62	93
1949	3,524.44	4,178	4,453	657	10.95	60
1950	15,179.17	17,865	19,041	2,969	11.30	263
1951	3,454.36	4,035	4,301	708	11.66	61
1952	6,469.49 5,196.77	7,500 5,976	7,994 6,369	1,387	12.03	115
1953 1954	13,643.85	15,556	16,580	1,166 3,204	12.42 12.82	94 250
1954	40,572.76	45,858	48,877	9,954	13.23	752
1)JJ	10,3/4./0	±2,020	10,011	2,234	±J.∠J	134



### ACCOUNT 366 UNDERGOUND CONDUIT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA					
1956	18,774.31	21,025	22,409	4,814	13.66	352
1957	22,729.01	25,207	26,866	6,091	14.11	432
1958	22,709.78	24,933	26,574	6,355	14.57	436
1959	6,700.20 35,806.44	7,280 38,481	7,759 41,014	1,956	15.04 15.53	130 702
1960 1961	23,612.83	25,091	26,743	10,905 7,496	16.03	468
1962	41,771.99	43,863	46,750	13,819	16.55	835
1963	62,388.32	64,711	68,971	21,492	17.08	1,258
1964	144,274.03	147,762	157,489	51,708	17.62	2,935
1965	88,271.78	89,212	95,085	32,909	18.18	1,810
1966	92,746.62	92,457	98,543	35,940	18.75	1,917
1967	116,841.72	114,811	122,369	47,051	19.34	2,433
1968	88,392.11	85,595	91,230	36,939	19.93	1,853
1969	206,141.58	196,581	209,521	89,384	20.54	4,352
1970	258,677.20	242,802	258,785	116,297	21.16	5,496
1971	561,281.33	518,289	552,407	261,451	21.79	11,999
1972	917,314.02	832,646	887,457	442,648	22.44	19,726
1973	689,659.95	615,174	655,669	344,338	23.09	14,913
1974	1,164,912.28	1,020,230	1,087,389	601,734	23.76	25,326
1975	1,202,606.23 1,295,688.69	1,033,765	1,101,815	641,964	24.43	26,278
1976 1977	1,896,373.24	1,092,492 1,566,885	1,164,408 1,670,029	714,341 1,079,712	25.11 25.81	28,448 41,833
1978	2,296,032.71	1,858,286	1,980,612	1,348,635	26.51	50,873
1979	2,602,961.06	2,061,406	2,197,103	1,577,191	27.23	57,921
1980	1,709,663.54	1,324,214	1,411,384	1,067,628	27.95	38,198
1981	1,844,434.62	1,396,053	1,487,952	1,186,478	28.68	41,370
1982	2,317,107.31	1,712,392	1,825,114	1,534,692	29.42	52,165
1983	1,852,728.26	1,335,625	1,423,546	1,262,910	30.17	41,860
1984	2,827,044.25	1,986,766	2,117,550	1,981,664	30.92	64,090
1985	2,939,633.68	2,011,161	2,143,551	2,118,918	31.69	66,864
1986	2,792,687.38	1,858,673	1,981,025	2,068,372	32.46	63,721
1987	1,670,471.91	1,080,294	1,151,407	1,270,777	33.24	38,230
1988	1,375,186.14	863,072	919,886	1,074,134	34.03	31,564
1989	1,566,569.53	953,291	1,016,044	1,255,482	34.82	36,056
1990	1,934,640.78	1,139,400	1,214,404	1,590,825	35.63	44,648
1991	2,571,966.41	1,464,404	1,560,802	2,168,549	36.44	59,510
1992	4,678,331.06	2,572,130	2,741,447	4,042,133	37.25	108,514
1993	4,701,458.62	2,490,497	2,654,440	4,162,675	38.08	109,314
1994 1995	5,276,758.32 6,732,898.33	2,689,432 3,296,572	2,866,471 3,513,577	4,784,829 6,249,126	38.91 39.74	122,972 157,250
1996	8,629,071.46	4,047,682	4,314,131	8,198,023	40.59	201,971
100	0,020,071.40	1,011,002	1,014,101	0,170,023	10.55	201,7/1



### ACCOUNT 366 UNDERGOUND CONDUIT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	60-R2.5				
NET S	ALVAGE PERCENT	-45				
1997	10,581,240.81	4,745,988	5,058,404	10,284,395	41.44	248,176
1998	8,074,017.87	3,453,661	3,681,007	8,026,319	42.30	189,747
1999	3,967,909.32	1,614,826	1,721,126	4,032,343	43.16	93,428
2000	5,843,847.98	2,255,413	2,403,881	6,069,699	44.03	137,854
2001	5,440,620.66	1,985,399	2,116,093	5,772,807	44.90	128,570
2002	3,193,231.03	1,097,354	1,169,590	3,460,595	45.78	75,592
2003	4,765,089.97	1,535,057	1,636,106	5,273,274	46.67	112,991
2004	4,222,600.63	1,269,434	1,352,998	4,769,773	47.56	100,290
2005	6,019,126.92	1,680,089	1,790,685	6,937,049	48.45	143,180
2006	4,549,693.92	1,170,977	1,248,059	5,348,997	49.35	108,389
2007	7,916,606.41	1,863,399	1,986,062	9,493,017	50.26	188,878
2008	8,467,638.60	1,806,964	1,925,912	10,352,164	51.17	202,309
2009	7,925,080.33	1,516,860	1,616,711	9,874,655	52.08	189,606
2010	7,118,530.56	1,204,252	1,283,525	9,038,344	53.00	170,535
2011	6,643,960.80	976,187	1,040,447	8,593,296	53.92	159,371
2012	5,974,343.39	743,528	792,472	7,870,326	54.85	143,488
2013	5,253,699.25	537,059	572,412	7,045,452	55.77	126,331
2014	5,305,912.84	421,839	449,607	7,243,967	56.71	127,737
2015	6,467,904.10	368,855	393,136	8,985,325	57.64	155,887
2016	7,570,623.23	259,835	276,939	10,700,465	58.58	182,664
2017	7,066,860.27	80,234	85,516	10,161,431	59.53	170,694
	201,747,479.72	74,745,815	79,666,115	212,867,731		4,738,509
	201,/4/,4/9./2	/4,/40,010	19,000,115	414,007,731		4,/30,509

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 44.9 2.35



### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
1927	1.29	1	1	1	5.27	
1928	16.04	17	18	1	5.49	
1929	21.28	23	25	1	5.70	
1930	94.38	102	109	4	5.93	1
1931	87.58	94	100	5	6.15	1
1932	18.40	20	21	1	6.38	
1933	7.11	8	9			
1934	7.11	8	9	1		
1935	27.01	29	31	1	7.07	2
1936	213.02	224	239	17 29	7.31	2 4
1937 1938	358.14 198.05	376 207	401 221	17	7.55 7.80	2
1939	208.86	217	231	20	8.05	2
1940	433.89	449	479	42	8.30	5
1941	100.40	103	110	10	8.56	1
1942	149.50	153	163	16	8.83	2
1943	350.93	357	381	40	9.11	4
1944	92.51	94	100	11	9.39	1
1945	13.53	14	15	1	9.68	
1946	481.60	482	514	64	9.98	6
1947	496.78	494	527	69	10.29	7
1948	3,104.33	3,066	3,268	457	10.62	43
1949	2,157.38	2,116	2,255	334	10.95	31
1950	3,257.49	3,173	3,382	527	11.30	47
1951	3,862.91	3,735	3,981	654	11.66	56
1952	4,236.07	4,064	4,332	751	12.03	62
1953	11,750.41	11,182	11,918	2,182	12.42	176
1954	24,145.01	22,783	24,283	4,691	12.82	366
1955	31,623.47	29,581	31,528	6,420	13.23	485
1956	82,858.77	76,793	81,848	17,583	13.66	1,287
1957	62,884.12	57,715	61,514	13,947	14.11	988
1958	72,928.57	66,263	70,625	16,889	14.57	1,159
1959	45,230.34	40,671	43,348	10,928	15.04	727
1960	67,579.01	60,105	64,062	17,033	15.53	1,097
1961 1962	99,368.25 46,842.88	87,384	93,136	26,106	16.03	1,629 775
1962	52,026.78	40,707	43,387	12,824	16.55	868
1963	209,009.85	44,660 177,156	47,600 188,818	14,832 61,994	17.08 17.62	3,518
1965	172,793.36	144,524	154,038	53,314	18.18	2,933
1966	130,727.82	107,850	114,949	41,924	18.75	2,236
1967	158,754.82	129,100	137,598	52,908	19.34	2,736
_, ,	_30,.01.02	,	20.,000	32,300		2,,50



### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
1000	222 020 00	170 724	100 500	77 124	10 02	2 070
1968 1969	223,028.09 203,568.34	178,734 160,657	190,500 171,233	77,134 73,049	19.93 20.54	3,870 3,556
1970	592,445.72	460,209	490,503	220,432	21.16	10,417
1971	737,356.86	563,485	600,578	284,250	21.79	13,045
1972	1,299,916.12	976,497	1,040,777	519,122	22.44	23,134
1973	1,228,660.08	907,002	966,707	507,685	23.09	21,987
1974	1,978,303.88	1,433,875	1,528,263	845,702	23.76	35,594
1975	2,537,252.03	1,804,991	1,923,808	1,120,894	24.43	45,882
1976	2,688,292.37	1,875,890	1,999,374	1,226,577	25.11	48,848
1977	5,078,076.56	3,472,368	3,700,944	2,392,748	25.81	92,706
1978	6,246,521.89	4,183,945	4,459,362	3,036,464	26.51	114,540
1979	6,410,806.62 6,157,513.52	4,201,668	4,478,251	3,214,717 3,182,206	27.23	118,058 113,854
1980 1981	7,083,292.26	3,946,991 4,436,974	4,206,810 4,729,047	3,182,208	27.95 28.68	131,482
1981	8,600,023.92	5,259,809	5,606,047	4,713,982	29.42	160,231
1983	5,811,543.44	3,467,190	3,695,425	3,278,427	30.17	108,665
1984	8,718,768.93	5,070,871	5,404,672	5,057,851	30.92	163,579
1985	11,270,371.20	6,381,239	6,801,297	6,723,148	31.69	212,154
1986	10,614,301.38	5,846,357	6,231,205	6,505,957	32.46	200,430
1987	6,316,051.57	3,380,351	3,602,870	3,976,392	33.24	119,627
1988	5,272,888.22	2,738,717	2,918,999	3,408,467	34.03	100,161
1989	6,357,466.27	3,201,645	3,412,400	4,216,560	34.82	121,096
1990	7,077,276.45	3,449,493	3,676,563	4,816,169	35.63	135,172
1991	8,059,670.18	3,797,749	4,047,744	5,623,860	36.44	154,332
1992	14,935,291.93	6,795,618	7,242,953	10,679,397	37.25	286,695
1993	15,007,048.99	6,579,030	7,012,108	10,996,351	38.08	288,770
1994	15,379,063.61	6,486,889	6,913,902	11,540,974	38.91	296,607
1995 1996	14,778,288.60 17,777,381.98	5,988,222 6,901,180	6,382,409 7,355,464	11,351,537 13,977,394	39.74 40.59	285,645 344,356
1997	21,771,048.48	8,081,326	8,613,296	17,511,962	40.39	422,586
1998	17,622,669.07	6,238,425	6,649,082	14,498,121	42.30	342,745
1999	16,880,522.32	5,685,427	6,059,682	14,196,945	43.16	328,938
2000	18,366,791.14	5,866,427	6,252,597	15,787,552	44.03	358,564
2001	19,362,278.84	5,847,486	6,232,409	17,002,326	44.90	378,671
2002	11,819,519.07	3,361,471	3,582,747	10,600,676	45.78	231,557
2003	19,116,447.10	5,096,521	5,432,010	17,507,727	46.67	375,139
2004	17,291,659.72	4,302,096	4,585,290	16,164,702	47.56	339,880
2005	21,230,190.09	4,904,174	5,227,001	20,249,227	48.45	417,941
2006	14,210,893.37	3,026,920	3,226,173	13,826,899	49.35	280,180
2007	24,440,283.29	4,760,869	5,074,263	24,254,077	50.26	482,572
2008	20,957,617.97	3,701,199	3,944,838	21,204,304	51.17	414,389



### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	60-R2.5				
NET S	ALVAGE PERCENT	-20				
2009	13,570,939.36	2,149,637	2,291,141	13,993,986	52.08	268,702
2010	12,981,579.46	1,817,473	1,937,112	13,640,783	53.00	257,373
2011	13,348,277.39	1,623,097	1,729,941	14,287,992	53.92	264,985
2012	13,313,075.81	1,371,194	1,461,456	14,514,235	54.85	264,617
2013	11,233,171.69	950,326	1,012,883	12,466,923	55.77	223,542
2014	10,444,206.34	687,187	732,423	11,800,625	56.71	208,087
2015	15,052,154.66	710,401	757,164	17,305,422	57.64	300,233
2016	15,776,254.70	448,109	477,607	18,453,899	58.58	315,020
2017	14,746,937.21	138,562	147,683	17,548,642	59.53	294,787
	543,265,507.14	175,832,073	187,406,587	464,512,021		10,546,258

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 44.0 1.94



### ACCOUNT 368 LINE TRANSFORMERS

T.E.A.D.	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	R CURVE IOWA					
NET SAL	VAGE PERCENT	-10				
1928	1,314.26	1,395	1,446			
1938	531.96	526	561	24	4.75	5
1940	662.02	645	687	41	5.36	8
1941	853.84	826	880	59	5.67	10
1942	1,146.57	1,100 3,327	1,172	89	5.99	15 47
1943 1944	3,493.10 1,273.16	1,203	3,546 1,282	296 118	6.31 6.63	18
1945	1,716.07	1,608	1,714	174	6.96	25
1946	3,150.29	2,927	3,120	345	7.30	47
1947	7,798.62	7,186	7,659	919	7.63	120
1948	9,624.59	8,789	9,368	1,219	7.98	153
1949	14,690.62	13,296	14,171	1,989	8.33	239
1950	37,380.84	33,525	35,732	5,387	8.68	621
1951	60,521.76	53,769	57,308	9,266	9.04	1,025
1952	68,269.95	60,062	64,016	11,081	9.41	1,178
1953	101,988.97	88,843	94,691	17,497	9.78	1,789
1954	95,086.63	81,985	87,382	17,213	10.16	1,694
1955	112,095.13	95,652	101,949	21,356	10.54	2,026
1956	91,049.65	76,864	81,924	18,231	10.93	1,668
1957	118,036.97	98,569	105,058	24,783	11.32	2,189
1958	201,913.70	166,721	177,696	44,409	11.72	3,789
1959 1960	1,215,339.03 620,953.70	991,839 500,805	1,057,129 533,772	279,744 149,277	12.13 12.54	23,062 11,904
1961	594,762.90	473,839	505,031	149,277	12.96	11,513
1962	193,894.02	152,566	162,609	50,674	13.38	3,787
1963	110,413.88	85,768	91,414	30,041	13.81	2,175
1964	189,174.20	145,000	154,545	53,547	14.25	3,758
1965	628,987.22	475,637	506,947	184,939	14.69	12,589
1966	40,460.29	30,160	32,145	12,361	15.15	816
1967	107,719.39	79,163	84,374	34,117	15.60	2,187
1968	128,141.93	92,762	98,868	42,088	16.07	2,619
1969	140,848.52	100,411	107,021	47,912	16.54	2,897
1970	789,368.80	553,866	590,326	277,980	17.02	16,333
1971	676,659.63	467,183	497,936	246,390		14,079
1972	826,317.29	560,840	597,759	311,190	18.00	17,288
1973	1,280,699.94	854,250	910,483	498,287	18.50	26,934
1974	828,008.59	542,414	578,120	332,689	19.01	17,501
1975	1,810,425.47	1,164,372	1,241,020	750,448	19.52	38,445
1976	2,300,667.84	1,451,680	1,547,240	983,495	20.04	49,077
1977	3,179,499.55	1,966,756	2,096,222	1,401,228	20.57	68,120
1978	3,505,664.93	2,124,205	2,264,036	1,592,195	21.11	75,424



### ACCOUNT 368 LINE TRANSFORMERS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SIIRVII	OR CURVE IOWA	47-R1				
	ALVAGE PERCENT					
1121 01						
1979	2,272,828.28	1,347,935	1,436,666	1,063,445	21.66	49,097
1980	2,817,093.75	1,634,464	1,742,056	1,356,747	22.21	61,087
1981	4,221,351.55	2,393,857	2,551,438	2,092,049	22.77	91,877
1982	11,853,448.25	6,563,728	6,995,801	6,042,992	23.34	258,911
1983	5,104,989.93	2,758,777	2,940,380	2,675,109	23.91	111,882
1984	8,048,679.41	4,240,318	4,519,447	4,334,100	24.49	176,974
1985	11,409,282.31	5,853,167	6,238,466	6,311,745	25.08	251,664
1986	10,746,944.62	5,362,532	5,715,534	6,106,105	25.68	237,777
1987	5,061,553.49	2,454,524	2,616,099	2,951,610	26.28	112,314
1988	2,859,910.65	1,346,037	1,434,643	1,711,259	26.89	63,639
1989	4,249,213.92	1,938,270	2,065,861	2,608,274	27.51	94,812
1990	6,900,509.28	3,047,534	3,248,145	4,342,415	28.13	154,370
1991	7,379,500.62	3,150,301	3,357,677	4,759,774	28.76	165,500
1992	10,993,253.15	4,530,847	4,829,101	7,263,477	29.39	247,141
1993	6,902,333.47	2,741,372	2,921,829	4,670,738	30.03	155,536
1994	9,264,347.59	3,538,545	3,771,478	6,419,304	30.68	209,234
1995	7,833,831.36	2,872,979	3,062,100	5,555,114	31.33	177,310
1996	11,634,282.79	4,089,765	4,358,984	8,438,727	31.98	263,875
1997	18,494,841.47	6,215,802	6,624,972	13,719,354	32.64	420,323
1998	11,265,298.70	3,609,492	3,847,095	8,544,734	33.31	256,522
1999	15,232,637.01	4,645,238	4,951,022	11,804,879	33.97	347,509
2000	19,170,432.06	5,541,156	5,905,916	15,181,559	34.65	438,140
2001	14,072,949.18	3,846,995	4,100,233	11,380,011	35.32	322,197
2002	11,713,798.31	3,015,647	3,214,159	9,671,019	36.00	268,639
2003	13,840,962.56	3,342,966	3,563,025	11,662,034	36.68	317,940
2004	14,072,633.06	3,171,676	3,380,459	12,099,437	37.37	323,774
2005	17,669,021.86	3,696,907	3,940,265	15,495,659	38.06	407,138
2006	14,399,099.90	2,780,221	2,963,236	12,875,774	38.75	332,278
2007	26,752,539.70	4,727,281	5,038,465	24,389,329	39.45	618,234
2008	26,636,209.16	4,270,157	4,551,250	24,748,580	40.15	616,403
2009	19,439,678.16	2,798,050	2,982,238	18,401,408	40.85	450,463
2010	18,162,958.29	2,312,399	2,464,618	17,514,636	41.56	421,430
2011	19,750,163.64	2,186,422	2,330,349	19,394,831	42.27	458,832
2012	16,713,954.69	1,572,499	1,676,013	16,709,337	42.98	388,770
2013	18,387,078.12	1,420,052	1,513,530	18,712,256	43.70	428,198
2014	20,032,609.21	1,204,921	1,284,238	20,751,632	44.43	467,064



### ACCOUNT 368 LINE TRANSFORMERS

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA					
1111 0	11111101 111101111.	10				
2015	22,109,364.49	952,140	1,014,817	23,305,484	45.16	516,065
2016	21,893,435.30	568,835	606,280	23,476,499	45.89	511,582
2017	21,584,765.19	186,859	199,159	23,544,083	46.63	504,913
	531,048,390.30	135,543,001	144,465,403	439,687,826		12,116,588
	COMPOSITE REMAIN	NING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	36.3	2.28



### ACCOUNT 369 SERVICES

VEAD	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR (1)	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL (7)
( _ )	( 2 )	(3)	( 4 )	(3)	(0)	( / )
	R CURVE IOWA					
NET SAL	VAGE PERCENT	-30				
1945	210.52	248	264	10	5.10	2
1946	587.74	690	735	29	5.36	5
1947	1,816.43	2,120	2,260	101	5.62	18
1948	2,909.53	3,377	3,599	183	5.90	31
1949 1950	3,728.48 6,051.44	4,303 6,943	4,586 7,400	261 467	6.17 6.46	42 72
1950	8,608.22	9,817	10,463	728	6.75	108
1952	10,450.00	11,841	12,620	965	7.06	137
1953	18,596.17	20,936	22,314	1,861	7.37	253
1954	23,459.32	26,228	27,955	2,542	7.70	330
1955	33,763.91	37,477	39,944	3,949	8.04	491
1956	43,588.19	48,010	51,170	5,495	8.40	654
1957	49,230.89	53,795	57,336	6,664	8.77	760
1958	58,738.51	63,642	67,831	8,529	9.16	931
1959	77,541.12	83,282	88,764	12,039	9.56	1,259
1960	103,839.37	110,497	117,771	17,220	9.98	1,725
1961	119,369.64	125,810	134,092	21,089	10.41	2,026
1962 1963	152,852.99 314,042.07	159,474 324,154	169,972 345,492	28,737 62,763	10.86 11.33	2,646 5,540
1963	199,526.16	203,640	217,045	42,339	11.82	3,582
1965	230,211.76	232,184	247,468	51,807	12.33	4,202
1966	259,093.08	258,126	275,118	61,703	12.85	4,802
1967	312,969.15	307,810	328,072	78,788	13.39	5,884
1968	353,623.70	343,197	365,789	93,922	13.94	6,738
1969	425,760.08	407,467	434,289	119,199	14.51	8,215
1970	485,829.47	458,178	488,339	143,239	15.10	9,486
1971	570,672.46	529,965	564,851	177,023	15.71	11,268
1972	709,874.60	649,004	691,726	231,111	16.32	14,161
1973	870,864.15	783,022	834,566	297,557	16.96	17,545
1974	978,609.51	864,862 976,499	921,793	350,399 421,440	17.61 18.27	19,898
1975 1976	1,124,783.83 1,318,024.58	1,123,395	1,040,779 1,197,345	516,087	18.94	23,067 27,249
1977	1,574,923.12	1,316,663	1,403,335	644,065	19.63	32,810
1978	1,782,935.58	1,461,059	1,557,236	760,580	20.33	37,412
1979	1,771,451.18	1,421,917	1,515,518	787,369	21.04	37,422
1980	1,605,378.70	1,260,919	1,343,922	743,070	21.77	34,133
1981	1,469,276.68	1,128,673	1,202,970	707,090	22.50	31,426
1982	2,676,932.79	2,008,907	2,141,148	1,338,865	23.25	57,586
1983	1,398,354.49	1,024,274	1,091,699	726,162	24.01	30,244
1984	1,491,702.96	1,065,869	1,136,032	803,182	24.77	32,426
1985	1,052,931.27	732,930	781,177	587,634	25.55	22,999



#### ACCOUNT 369 SERVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	55-R3				
NET S.	ALVAGE PERCENT	-30				
1986	1,691,421.09	1,145,797	1,221,221	977,626	26.34	37,116
1987	1,197,593.96	788,634	840,547	716,325	27.14	26,394
1988	1,136,846.32	727,127	774,992	702,908	27.94	25,158
1989	1,004,380.11	622,934	663,940	641,754	28.76	22,314
1990	1,058,616.10	635,805	677,658	698,543	29.59	23,607
1991	1,808,025.64	1,050,432	1,119,579	1,230,854	30.42	40,462
1992	2,147,890.77	1,205,250	1,284,588	1,507,670	31.26	48,230
1993	4,344,736.22	2,350,650	2,505,387	3,142,770	32.11	97,875
1994	4,500,039.04	2,343,238	2,497,487	3,352,564	32.97	101,685
1995	4,618,128.19	2,309,752	2,461,796	3,541,771	33.84	104,662
1996	16,051,888.86	7,694,457	8,200,961	12,666,495	34.72	364,818
1997	3,382,948.36	1,551,248	1,653,362	2,744,471	35.60	77,092
1998	2,489,929.98	1,089,382	1,161,093	2,075,816	36.49	56,887
1999	9,005,089.32	3,748,224	3,994,959	7,711,657	37.39	206,249
2000	18,454,200.51	7,284,463	7,763,978	16,226,483	38.30	423,668
2001	3,920,532.89	1,463,210	1,559,529	3,537,164	39.21	90,211
2002	9,622,208.04	3,381,898	3,604,519	8,904,351	40.13	221,888
2003	12,304,927.45	4,054,289	4,321,171	11,675,235	41.06	284,346
2004	11,659,462.39	3,585,460	3,821,480	11,335,821	41.99	269,965
2005	15,848,098.35	4,521,225	4,818,844	15,783,684	42.93	367,661
2006	13,113,077.31	3,449,631	3,676,710	13,370,291	43.87	304,771
2007	17,045,237.69	4,105,363	4,375,607	17,783,202	44.81	396,858
2008	13,562,985.12	2,958,982	3,153,763	14,478,118	45.77	316,323
2009	10,892,996.49	2,131,923	2,272,261	11,888,634	46.72	254,466
2010	9,453,424.77	1,633,391	1,740,913	10,548,539	47.69	221,190
2011	10,025,436.11	1,504,668	1,603,716	11,429,351	48.65	234,930
2012	10,838,314.39	1,378,265	1,468,992	12,620,817	49.62	254,349
2013	11,323,403.50	1,180,284	1,257,979	13,462,446	50.59	266,109
2014	11,380,466.72	922,592	983,324	13,811,283	51.57	267,816
2015	14,548,100.71	845,958	901,645	18,010,886	52.54	342,803
2016	16,218,846.34	567,384	604,733	20,479,767	53.52	382,656
2017	16,248,491.84	188,206	200,595	20,922,444	54.51	383,828
	304,590,858.42	92,071,326	98,132,114	297,836,002		7,005,972

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.5 2.30



#### ACCOUNT 370 METERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA					
	VAGE PERCENT					
1960	50.28	52	52			
1961	902.67	930	930			
1962	738.11	760	760			
1963	666.99	687	687			
1964	2,383.03	2,455	2,455			
1965	443.74	457	457			
1966	308.29	318	318			
1967	1,297,134.14	1,336,048	1,336,048			
1968	1,842.59	1,898	1,898			
1969 1970	1,928.26 2,536.65	1,986 2,613	1,986 2,613			
1971	6,839.38	7,045	7,045			
1972	5,078.43	5,231	5,231			
1973	21,038.23	21,669	21,669			
1974	32,050.24	33,012	33,012			
1975	42,637.84	43,917	43,917			
1976	70,403.22	72,515	72,515			
1977	107,733.96	110,966	110,966			
1978	156,849.93	161,555	161,555			
1979	181,490.07	186,935	186,935			
1980	225,313.63	228,940	232,073			
1981	220,733.43	222,695	227,355			
1982	304,930.51	305,441	314,078			
1983	407,102.69	405,059	419,316			
1984	499,334.53	493,228	514,315			
1985	551,336.80	540,335	567,877			
1986	608,536.14	591,378	626,792			
1987	429,377.76	413,733	442,259			
1988	615,754.72	587,612	629,365	4,862	1.47	3,307
1989	366,210.51	346,078	370,668	6,529	1.65	3,957
1990	689,822.64	644,794	690,610	19,907	1.85	10,761
1991	558,204.13	515,730	552,375	22,575	2.06	10,959 21,936
1992	945,518.57	862,374 1,151,718	923,650 1,233,553	50,234 85,712	2.29 2.54	33,745
1993 1994	1,280,839.89 1,175,749.15	1,040,873	1,114,832	96,190	2.81	34,231
1995	1,674,544.78	1,457,440	1,560,998	163,783	3.10	52,833
1996	269,581.28	230,187	246,543	31,126	3.42	9,101
1997	3,393,757.52	2,838,403	3,040,085	455,485	3.76	121,140
1998	738,776.01	603,044	645,893	115,046	4.15	27,722
1999	229,722.64	182,548	195,519	41,095	4.57	8,992
2000	333,641.32	257,222	275,499	68,152	5.03	13,549
	-	•	•	•		•



#### ACCOUNT 370 METERS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
2001	355,047.13	264,217	282,991	82,708	5.55	14,902
2002	800,267.27	572,459	613,135	211,140	6.11	34,556
2003	354,228.20	242,081	259,282	105,573	6.73	15,687
2004	964,969.01	626,168	670,660	323,258	7.40	43,684
2005	988,151.92	603,553	646,438	371,358	8.14	45,621
2006	1,633,097.64	931,037	997,192	684,899	8.93	76,696
2007	17,561,348.11	9,252,108	9,909,515	8,178,674	9.77	837,121
2008	18,488,135.69	8,892,978	9,524,866	9,517,914	10.66	892,862
2009	2,115,482.64	917,337	982,518	1,196,429	11.58	103,319
2010	3,667,465.36	1,409,004	1,509,121	2,268,368	12.54	180,891
2011	4,396,580.05	1,467,227	1,571,480	2,956,997	13.52	218,713
2012	1,301,918.48	368,098	394,253	946,723	14.51	65,246
2013	1,685,634.57	390,646	418,403	1,317,801	15.50	85,019
2014	2,306,321.26	415,714	445,253	1,930,258	16.50	116,985
2015	3,383,146.34	435,580	466,530	3,018,111	17.50	172,463
2016	4,280,787.10	330,691	354,188	4,055,023	18.50	219,190
2017	5,267,949.14	135,650	145,289	5,280,699	19.50	270,805
	87,002,374.61	43,164,429	46,005,818	43,606,628		3,745,993

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 11.6 4.31



#### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	R CURVE IOWA	25-L0				
NET SALV	AGE PERCENT	-60				
1963	12,265.17	13,690	14,591	5,033	7.56	666
1964	19,025.94	21,017	22,400	8,042	7.74	1,039
1965	17,925.82	19,584	20,873	7,808	7.93	985
1966	15,791.33	17,070	18,194	7,072	8.11	872
1967	12,534.66	13,397	14,279	5,776	8.30	696
1968 1969	13,491.12	14,247	15,185	6,401	8.50	753
1909	19,175.33 35,706.21	20,016 36,815	21,334 39,238	9,347 17,892	8.69 8.89	1,076 2,013
1970	68,773.02	70,027	74,637	35,400	9.09	3,894
1972	136,647.08	137,303	146,341	72,294	9.30	7,774
1973	172,174.81	170,797	182,040	93,440	9.50	9,836
1974	103,835.16	101,542	108,226	57,910	9.72	5,958
1975	97,874.39	94,398	100,612	55,987	9.93	5,638
1976	104,376.23	99,199	105,729	61,273	10.15	6,037
1977	93,156.74	87,225	92,967	56,084	10.37	5,408
1978	106,568.79	98,214	104,679	65,831	10.60	6,210
1979	85,212.71	77,278	82,365	53,975	10.83	4,984
1980	45,856.96	40,912	43,605	29,766	11.06	2,691
1981	29,710.62	26,050	27,765	19,772	11.30	1,750
1982	92,395.41	79,593	84,832	63,001	11.54	5,459
1983	45,424.42	38,433	40,963	31,716	11.78	2,692
1984	56,408.52	46,787	49,867	40,387	12.04	3,354
1985	71,031.82	57,780	61,584	52,067	12.29	4,237
1986	117,735.84	93,812	99,987	88,390	12.55	7,043
1987	134,524.91	104,951	111,860	103,380	12.81	8,070
1988	135,270.73	103,195	109,988	106,445	13.08	8,138
1989	138,589.55	103,244	110,040	111,703	13.36	8,361
1990	169,111.82	122,951	131,045	139,534	13.64	10,230
1991	168,349.88	119,380	127,238	142,122	13.92	10,210
1992	211,343.61	145,945	155,552	182,598	14.21	12,850
1993	476,727.50	320,056	341,124	421,640	14.51	29,059
1994	223,854.25	145,989	155,599	202,568	14.81 15.12	13,678
1995	57,253.62	36,203 45,335	38,586 48,319	53,020		3,507
1996 1997	74,018.17 86,244.32	51,057	54,418	70,110 83,573	15.75	4,544 5,306
1998	90,452.37	51,637	55,036	89,688	16.08	5,578
1999	87,712.99	48,221	51,395	88,946	16.41	5,420
2000	150,386.43	79,404	84,631	155,987	16.75	9,313
2001	106,499.05	53,846	57,391	113,007	17.10	6,609
2002	110,634.53	53,459	56,978	120,037	17.45	6,879
2003	86,489.53	39,799	42,419	95,964	17.81	5,388
<del>-</del>	,	,	=, ===	,		-,-30



### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
2004	21,189.17	9,249	9,858	24,045	18.18	1,323
2005	5,558.51	2,291	2,442	6,452	18.56	348
2006	8,824.30	3,422	3,647	10,472	18.94	553
2007	7,352.51	2,668	2,844	8,920	19.33	461
2008	11,272.69	3,795	4,045	13,991	19.74	709
2009	12,366.38	3,831	4,083	15,703	20.16	779
2010	13,653.15	3,845	4,098	17,747	20.60	862
2011	25,028.56	6,295	6,709	33,337	21.07	1,582
2012	14,130.93	3,120	3,326	19,283	21.55	895
2013	8,937.20	1,682	1,793	12,507	22.06	567
2014	23,543.83	3,601	3,838	33,832	22.61	1,496
2015	7,148.88	824	878	10,560	23.20	455
2016	9,911.43	729	777	15,081	23.85	632
2017	11,258.93	303	323	17,691	24.58	720
	4,260,737.83	3,145,513	3,352,573	3,464,608		255,587

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 13.6 6.00



#### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	25-R0.5				
NET SAI	LVAGE PERCENT	-30				
1967	2.36	3	3			
1968	2,452.76	3,157	3,189			
1969	4,789.86	6,043	6,227			
1970	9,345.81	11,562	12,150			
1971	11,173.39	13,549	14,441	84	1.68	50
1972	23,488.94	27,934	29,774	762	2.13	358
1973	25,483.44	29,723	31,681	1,447	2.57	563
1974	52,398.60	59,944	63,893	4,225	3.00	1,408
1975	51,384.82	57,689	61,489	5,311	3.41	1,557
1976	54,340.04	59,848	63,790	6,852	3.82	1,794
1977	67,530.11	72,970	77,777	10,012	4.22	2,373
1978	99,746.19	105,707	112,670	17,000	4.62	3,680
1979 1980	158,774.19 136,502.97	165,043 139,053	175,915 148,213	30,491 29,241	5.01 5.41	6,086 5,405
1981	163,227.01	162,881	173,610	38,585	5.41	6,641
1981	468,154.04	457,424	487,555	121,045	6.21	19,492
1983	418,668.31	400,364	426,737	117,532	6.61	17,781
1984	529,059.78	494,650	527,234	160,544	7.02	22,870
1985	744,182.01	679,527	724,289	243,148	7.44	32,681
1986	990,152.91	882,503	940,635	346,564	7.86	44,092
1987	297,148.87	258,199	275,207	111,087	8.29	13,400
1988	288,643.83	244,204	260,290	114,947	8.73	13,167
1989	195,842.56	161,210	171,829	82,766	9.17	9,026
1990	450,937.75	360,642	384,398	201,821	9.62	20,979
1991	393,930.97	305,627	325,759	186,351	10.08	18,487
1992	585,594.28	439,711	468,676	292,597	10.56	27,708
1993	880,615.57	639,714	681,853	462,947	11.03	41,972
1994	1,174,222.71	823,083	877,301	649,189	11.52	56,353
1995	550,926.74	371,854	396,349	319,856	12.02	26,610
1996	841,421.75	545,612	581,552	512,296	12.53	40,886
1997	863,700.68	536,704	572,058	550,753	13.05	42,203
1998	740,465.62	440,103	469,093	493,512	13.57	36,368
1999	643,006.62	364,122	388,107	447,802	14.11	31,736
2000	711,074.36	382,700	407,909	516,488	14.65	35,255
2001	896,408.52	456,810	486,901	678,430	15.20	44,634
2002	947,188.66	455,105	485,084	746,261	15.76	47,352
2003	537,805.15	242,744	258,734	440,413	16.32	26,986
2004	642,747.51	270,725	288,558	547,014	16.90	32,368
2005	366,889.78	143,659	153,122	323,835	17.47	18,537
2006 2007	204,247.20 1,078,333.43	73,709	78,564 379,521	186,957	18.06	10,352
Z00/	1,0/0,333.43	356,066	3/9,341	1,022,312	18.65	54,816



#### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIV	OR CURVE IOWA	25-R0.5				
NET SA	LVAGE PERCENT	-30				
2008	846,469.22	253,534	270,235	830,175	19.24	43,148
2009	493,444.62	132,658	141,397	500,081	19.83	25,218
2010	777,695.07	184,811	196,985	814,019	20.43	39,844
2011	419,020.35	86,503	92,201	452,525	21.03	21,518
2012	389,817.86	68,312	72,812	433,951	21.63	20,062
2013	419,944.48	60,270	64,240	481,688	22.24	21,659
2014	367,841.42	41,316	44,038	434,156	22.84	19,009
2015	449,524.23	35,998	38,369	546,012	23.46	23,274
2016	268,947.90	13,006	13,863	335,769	24.07	13,950
2017	407,351.94	6,567	6,999	522,559	24.69	21,165
	22,142,067.19	12,584,852	13,413,276	15,371,411		1,064,873

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.4 4.81



#### ACCOUNT 389.2 LAND RIGHTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
1955	655.43	488	478	177	12.79	14
1960	207.27	146	143	64	14.90	4
1961	298.34	207	203	95	15.34	6
1963	51.50	35	34	18	16.24	1
1964	244.58	163	160	85	16.70	5
1967	724.68	462	453	272	18.12	15
1971	1,803.44	1,078	1,056	747	20.11	37
1972	384.32	226	221	163	20.62	8
1973	230.97	133	130	101	21.14	5
1976	6,370.28	3,473	3,402	2,968	22.74	131
1978	21,322.67	11,152	10,923	10,400	23.85	436
1983	178.74	83	81	98	26.73	4
1984	1,598.28	725	710	888	27.32	33
1990	1,227.55	466	456	772	31.03	25
2012	49,985.31	4,019	3,937	46,048	45.98	1,001
	85,283.36	22,856	22,387	62,896		1,725

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 36.5 2.02



#### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	50-R1				
NET SAI	LVAGE PERCENT	-20				
1014	60 030 30	01 000	01 005			
1914	68,239.38	81,887 72	81,887			
1916 1917	60.14 100.00	120	72 120			
1917	7,012.59	8,136	7,969	446	1.66	269
1923	248.06	286	280	18	2.00	9
1924	683.90	782	766	55	2.34	24
1925	7,180.68	8,157	7,989	628	2.67	235
1927	5,216.34	5,848	5,728	532	3.29	162
1945	355.28	350	343	83	8.99	9
1946	232.20	227	222	57	9.35	6
1947	6,347.70	6,138	6,012	1,605	9.71	165
1948	220.03	211	207	57	10.08	6
1949	861.30	818	801	233	10.45	22
1950	59,214.78	55,681	54,537	16,521	10.82	1,527
1951	389,841.40	362,927	355,469	112,341	11.21	10,021
1952	3,027.79	2,791	2,734	899	11.59	78
1953	1,645.64	1,501	1,470	505	11.99	42
1954	1,739.51	1,570	1,538	549	12.39	44
1955	27,165.77	24,260	23,761	8,838	12.79	691
1956	1,976.23	1,745	1,709	662	13.20	50
1957	55,751.06	48,677	47,677	19,224	13.62	1,411
1958	823,929.82	711,084	696,472	292,244	14.04	20,815
1959	46,984.09	40,064	39,241	17,140	14.47	1,185
1960	64,268.00	54,139	53,027	24,095	14.90	1,617
1962	6,926.86	5,687	5,570	2,742	15.79	174 8
1963 1964	307.52 42,910.22	249	244	125 17,903	16.24	
1965	40,264.57	34,294 31,725	33,589 31,073	17,903	16.70 17.17	1,072 1,004
1966	122,985.94	95,516	93,553	54,030	17.64	3,063
1967	24,358.13	18,637	18,254	10,976	18.12	606
1968	23,347.36	17,589	17,228	10,789	18.61	580
1969	21,387.17	15,861	15,535	10,130	19.10	530
1970	24,157.19	17,625	17,263	11,726	19.60	598
1971	501,198.62	359,540	352,152	249,286	20.11	12,396
1972	45,695.64	32,221	31,559	23,276	20.62	1,129
1973	72,381.58	50,134	49,104	37,754	21.14	1,786
1974	2,378,435.39	1,617,146	1,583,915	1,270,207	21.67	58,616
1975	45,854.26	30,594	29,965	25,060	22.20	1,129
1976	376,828.58	246,536	241,470	210,724	22.74	9,267
1977	511,448.49	327,859	321,122	292,616	23.29	12,564
1978	1,196,972.12	751,220	735,783	700,584	23.85	29,375



#### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA LVAGE PERCENT					
1979	4,645,067.79	2,852,815	2,794,193	2,779,888	24.41	113,883
1980	774,845.29	465,279	455,718	474,096	24.98	18,979
1981	747,485.33	438,624	429,611	467,371	25.55	18,292
1982	2,281,637.83	1,306,557	1,279,709	1,458,256	26.14	55,786
1983	1,533,336.63	856,338	838,741	1,001,263	26.73	37,458
1984	2,036,371.18	1,108,438	1,085,661	1,357,984	27.32	49,707
1985	2,920,943.88	1,547,166	1,515,373	1,989,760	27.93	71,241
1986	2,663,916.72	1,372,663	1,344,456	1,852,244	28.53	64,923
1987	1,467,104.50	734,139	719,053	1,041,472	29.15	35,728
1988	466,223.07	226,361	221,710	337,758	29.77	11,346
1989	374,695.93	176,257	172,635	277,000	30.40	9,112
1990	608,864.87	277,204	271,508	459,130	31.03	14,796
1991	4,696,922.19	2,066,270	2,023,810	3,612,497	31.67	114,067
1992	7,905,892.78	3,356,526	3,287,553	6,199,518	32.31	191,876
1993	6,093,287.57	2,491,911	2,440,705	4,871,240	32.96	147,792
1994	1,274,650.01	501,396	491,093	1,038,487	33.61	30,898
1995	469,774.23	177,349	173,705	390,024	34.27	11,381
1996	1,213,248.75	438,808	429,791	1,026,108	34.93	29,376
1997	8,487,366.60	2,933,234	2,872,959	7,311,881	35.60	205,390
1998	887,179.05	292,556	286,544	778,071	36.26	21,458
1999	1,353,680.88	424,298	415,579	1,208,838	36.94	32,724
2000	1,295,563.51	385,249	377,332	1,177,344	37.61	31,304
2001	643,145.20	180,750	177,036	594,738	38.29	15,532
2002	447,184.77	118,271	115,841	420,781	38.98	10,795
2003	4,678,586.10	1,161,038	1,137,180	4,477,123	39.66	112,888
2004	1,688,042.19	390,951	382,917	1,642,734	40.35	40,712
2005	2,495,199.27	536,568	525,542	2,468,697	41.04	60,153
2006	1,547,120.44	306,701	300,399	1,556,146	41.74	37,282
2007	1,367,537.68	248,454	243,348	1,397,697	42.43	32,941
2008	3,519,818.97	580,348	568,422	3,655,361	43.13	84,752
2009	1,191,749.20	176,188	172,568	1,257,531	43.84	28,685
2010	989,693.36	129,452	126,792	1,060,840	44.55	23,812
2011	3,544,967.68	403,276	394,989	3,858,972	45.26	85,262
2012	2,781,952.49	268,403	262,887	3,075,456	45.98	66,887
2013	1,984,869.18	157,202	153,972	2,227,871	46.70	47,706
2014	1,504,893.22	92,822	90,914	1,714,958	47.43	36,158



#### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
	(2)	(3)	(4)	(5)	(6)	(7)
	OR CURVE IOWA					
2015	1,275,584.33	56,330	55,173	1,475,528	48.16	30,638
2016	1,767,174.75	47,078	46,110	2,074,500	48.89	42,432
2017	2,640,527.52	23,448	22,967	3,145,666	49.63	63,382
	95,273,866.27	34,376,622	33,671,906	80,656,734		2,309,819

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 34.9 2.42



### ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	13-L2.5				
NET SA	ALVAGE PERCENT	+10				
1986	18,598.53	15,477	15,160	1,579	0.98	1,579
1988	3,671.85	2,964	2,903	402	1.34	300
1990	3,430.25	2,695	2,640	447	1.65	271
1993	74,463.21	56,243	55,090	11,927	2.09	5,707
1994	141,212.44	105,094	102,940	24,151	2.25	10,734
1995	67,429.64	49,343	48,331	12,356	2.43	5,085
1996	219,053.65	157,263	154,039	43,109	2.63	16,391
1997	344,876.50	242,820	237,842	72,547	2.83	25,635
1998	369,914.58	254,813	249,589	83,334	3.05	27,323
1999	138,488.39	93,096	91,188	33,452	3.29	10,168
2000	345,627.74	226,838	222,188	88,877	3.52	25,249
2001	496,885.53	317,854	311,338	135,859	3.76	36,133
2002	1,164,191.36	726,190	711,303	336,469	3.99	84,328
2003	979,468.81	596,720	584,487	297,035	4.20	70,723
2004	1,035,102.38	617,003	604,355	327,237	4.39	74,541
2005	1,905,075.95	1,110,509	1,087,744	626,824	4.58	136,861
2006	1,350,423.29	767,562	751,827	463,554	4.79	96,775
2007	528,104.32	290,661	284,702	190,592	5.05	37,741
2008	1,708,733.57	899,064	880,633	657,227	5.40	121,709
2009	744,453.50	367,989	360,445	309,563	5.86	52,826
2010	178,499.85	81,067	79,405	81,245	6.44	12,616
2011	463,226.47	188,891	185,019	231,885	7.11	32,614
2012	253,601.45	89,893	88,050	140,191	7.88	17,791
2013	367,009.37	108,747	106,518	223,790	8.72	25,664
2014	1,331,019.46	312,381	305,978	891,940	9.61	92,814
2015	1,198,411.75	204,098	199,914	878,657	10.54	83,364
2016	719,912.82	74,265	72,743	575,179	11.51	49,972
2017	1,649,820.77	57,107	55,936	1,428,903	12.50	114,312
	17,800,707.43	8,016,647	7,852,307	8,168,330		1,269,226

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.4 7.13



#### ACCOUNT 392.3 TRANSPORTATION EQUIPMENT - AIRCRAFT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE 10-S LVAGE PERCENT	~				
2006 2007	2,031,496.96 15,799.76	1,625,198 12,640	1,625,198 12,640			
2011	942,982.02	490,351	446,723	307,663	3.50	87,904
	2,990,278.74	2,128,189	2,084,561	307,662		87,904

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.5 2.94



### ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	17-L2				
	ALVAGE PERCENT					
1976	21,209.63	18,691	18,308	1,841	1.23	1,497
1977	13,172.25	11,476	11,241	1,273	1.41	903
1980	24,916.07	20,941	20,512	3,158	1.96	1,611
1982	40,251.57	32,975	32,299	5,940	2.34	2,538
1985	134,725.63	105,855	103,685	24,304	2.94	8,267
1986	196,299.03	151,930	148,815	37,669	3.15	11,958
1988	21,014.29	15,759	15,436	4,528	3.58	1,265
1989	96,274.14	70,962	69,507	21,953	3.81	5,762
1991	426,280.36	303,247	297,030	107,936	4.27	25,278
1992	77,665.29	54,165	53,055	20,727	4.52	4,586
1993	354,887.65	242,743	237,767	99,376	4.76	20,877
1994	261,571.07	175,259	171,666	76,827	5.01	15,335
1995	550,967.02	361,159	353,755	169,664	5.27	32,194
1996	487,086.86	312,479	306,073	156,660	5.52	28,380
1997	89,103.28	55,918	54,772	29,876	5.77	5,178
1998	105,646.24	64,882	63,552	36,812	6.01	6,125
1999	173,724.95	104,265	102,128	62,911	6.26	10,050
2000	452,165.42	265,316	259,877	169,680	6.50	26,105
2001	377,487.08	216,434	211,997	146,616	6.74	21,753
2002	1,823,795.60	1,021,215	1,000,280	732,326	6.98	104,918
2003	239,853.55	130,819	128,137	99,724	7.24	13,774
2004	1,912,974.11	1,013,432	992,657	824,668	7.52	109,663
2005	1,648,446.84	843,805	826,507	739,517	7.84	94,326
2006	2,985,133.07	1,467,991	1,437,897	1,397,979	8.20	170,485
2007	860,656.88	403,522	395,250	422,374	8.61	49,056
2008	1,798,983.93	793,197	776,937	932,098	9.11	102,316
2009	1,365,206.72	558,452	547,004	749,942	9.68	77,473
2011	561,617.00	185,799	181,990	351,546	11.08	31,728
2012	555,624.62	158,664	155,411	372,432	11.89	31,323
2013	1,007,184.09	239,771	234,856	721,969	12.74	56,669
2014	442,908.85	83,656	81,941	338,822	13.62	24,877
2015	1,341,326.89	183,646	179,881	1,094,380	14.55	75,215
2016	1,449,684.47	120,712	118,237	1,258,963	15.51	81,171
2017	1,912,568.36	53,436	52,341	1,764,599	16.50	106,945
	23,810,412.81	9,842,573	9,640,801	12,979,091		1,359,601

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 9.5 5.71



### ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA VAGE PERCENT					
1957	3,839.10	3,455	3,455			
1959	2,124.03	1,885	1,846	66	0.41	66
1960	6,894.60	6,069	5,944	261	0.66	261
1961	4,979.01	4,342	4,253	228	0.93	228
1963	2,345.60	2,007	1,966	145	1.48	98
1964	8,551.10	7,244	7,095	601	1.76	341
1965	10,399.36	8,723	8,544	815	2.04	400
1966	17,644.45	14,652	14,351	1,529	2.32	659
1967	6,385.40	5,247	5,139	608	2.61	233
1968	6,491.37	5,277	5,169	673 562	2.90	232
1970 1971	4,637.59 10,841.83	3,688 8,522	3,612 8,347	1,411	3.49 3.80	161 371
1971	7,070.51	5,492	5,347	984	4.11	239
1973	7,070.31	5,476	5,364	1,058	4.42	239
1974	2,902.13	2,199	2,154	458	4.74	97
1975	5,529.29	4,137	4,052	924	5.06	183
1976	28,548.23	21,086	20,653	5,040	5.38	937
1977	92,724.29	67,540	66,154	17,298	5.72	3,024
1978	39,517.57	28,382	27,800	7,766	6.06	1,282
1979	57,288.73	40,561	39,729	11,831	6.40	1,849
1980	126,033.45	87,908	86,104	27,326	6.75	4,048
1981	61,201.64	42,027	41,164	13,917	7.11	1,957
1982	223,003.98	150,662	147,570	53,134	7.48	7,103
1983	231,334.51	153,721	150,566	57,635	7.85	7,342
1984	163,477.09	106,767	104,576	42,553	8.23	5,170
1985	145,825.69	93,533	91,613	39,630	8.62	4,597
1986	172,375.79	108,493	106,266	48,872	9.02	5,418
1987	33,383.64	20,611	20,188	9,857	9.42	1,046
1990 1991	109,048.97	63,107	61,812 25,348	36,332 15,861	10.71	3,392
1991	45,787.57 195,633.38	25,879 107,873	105,659	70,411	11.16 11.62	1,421 6,059
1993	221,924.27	119,240	116,793	82,939	12.09	6,860
1994	815,573.67	426,221	417,474	316,542	12.58	25,162
1995	76,953.01	39,061	38,259	30,999		2,370
1996	327,447.75	161,105	157,799	136,904	13.60	10,066
1997	133,567.58	63,552	62,248	57,963	14.14	4,099
1998	118,226.60	54,301	53,187	53,217	14.69	3,623
2000	129,666.74	55,082	53,952	62,748	15.84	3,961
2001	134,803.93	54,798	53,673	67,651	16.45	4,113
2002	342,282.65	132,670	129,947	178,107	17.08	10,428
2003	13,867.92	5,105	5,000	7,481	17.73	422



#### ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
2004	124,268.51	43,246	42,358	69,484	18.40	3,776
2005	107,230.45	35,064	34,344	62,163	19.10	3,255
2006	600,269.54	183,321	179,559	360,684	19.82	18,198
2007	81,225.86	22,979	22,507	50,596	20.57	2,460
2008	498,538.49	129,522	126,864	321,821	21.34	15,081
2009	65,485.65	15,442	15,125	43,812	22.14	1,979
2010	49,950.00	10,534	10,318	34,637	22.97	1,508
2011	909,229.95	168,301	164,848	653,459	23.83	27,422
2012	13,966.71	2,212	2,167	10,403	24.72	421
2013	364,871.32	47,836	46,854	281,530	25.63	10,984
2014	133,444.98	13,731	13,449	106,651	26.57	4,014
2015	463,067.72	34,312	33,608	383,153	27.53	13,918
2016	43,092.75	1,926	1,886	36,897	28.51	1,294
2017	689,310.78	10,342	10,130	610,250	29.50	20,686
	8,291,222.06	3,036,468	2,974,221	4,487,879		254,553

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 17.6 3.07



#### ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA ALVAGE PERCENT					
2000	73,163.80	57,419	56,242	9,605	1.28	7,504
2002	342,362.50	254,204	248,993	59,133	1.75	33,790
2003	160,673.63	115,540	113,171	31,435	2.01	15,639
2006	208,844.42	136,459	133,662	54,298	2.74	19,817
2007	621,677.49	396,133	388,012	171,498	2.92	58,732
2009	1,300,445.33	782,998	766,947	403,454	3.31	121,889
2011	2,494,568.23	1,308,900	1,282,067	963,044	4.17	230,946
2012	271,060.39	125,393	122,822	121,132	4.86	24,924
2013	256,000.43	99,533	97,493	132,907	5.68	23,399
2014	305,913.53	94,160	92,230	183,092	6.58	27,826
2015	2,119,594.87	473,094	463,396	1,444,239	7.52	192,053
2017	4,564,298.36	205,393	201,182	3,906,687	9.50	411,230
	12,718,602.98	4,049,226	3,966,217	7,480,526		1,167,749

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.4 9.18



#### ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	14-L0.5				
NET SA	LVAGE PERCENT	+20				
1971	49,973.90	34,810	34,096	5,883	1.81	3,250
1978	43,031.42	27,737	27,168	7,257	2.72	2,668
1979	87,391.07	55,781	54,638	15,275	2.83	5,398
1980	26,299.12	16,636	16,295	4,744	2.93	1,619
1981	193,932.77	121,568	119,076	36,070	3.03	11,904
1982	64,771.17	40,195	39,371	12,446	3.14	3,964
1983	74,902.03	46,054	45,110	14,812	3.24	4,572
1984	220,124.76	133,961	131,215	44,885	3.35	13,399
1985	466,129.07	280,475	274,725	98,178	3.47	28,293
1986	382,192.72	227,350	222,689	83,065	3.59	23,138
1987	135,772.72	79,679	78,046	30,572	3.73	8,196
1989	256,023.22	146,007	143,014	61,805	4.02	15,374
1990	34,658.84	19,429	19,031	8,696	4.19	2,075
1991	43,065.53	23,723	23,237	11,215	4.36	2,572
1992	535,320.40	289,377	283,445	144,811	4.54	31,897
1993	1,444,796.92	765,326	749,637	406,201	4.73	85,878
1994	432,794.44	224,558	219,955	126,281	4.92	25,667
1995	280,723.14	142,286	139,369	85,210	5.13	16,610
1996	192,664.86	95,232	93,280	60,852	5.35	11,374
1997	1,257,917.21	605,239	592,832	413,502	5.58	74,104
1998	527,640.63	246,936	241,874	180,239	5.81	31,022
1999	511,189.77	231,933	227,178	181,774	6.06	29,996
2000	1,781,030.02	782,642	766,598	658,226	6.31	104,315
2001	279,660.94	118,576	116,145	107,584	6.58	16,350
2002	2,418,691.58	986,826	966,596	968,357	6.86	141,160
2003	53,470.07	20,960	20,530	22,246	7.14	3,116
2004	4,564,228.97	1,710,929	1,675,855	1,975,528	7.44	265,528
2005	3,339,003.18	1,192,505	1,168,059	1,503,144	7.75	193,954
2006	2,780,283.18	940,536	921,255	1,302,972	8.08	161,259
2007	2,887,577.50	920,721	901,846	1,408,216	8.42	167,247
2008	1,603,374.65	479,178	469,355	813,345	8.77	92,742
2009	1,147,040.88	319,208	312,664	604,969	9.13	66,262
2010	1,349,765.24	346,307	339,208	740,604	9.51	77,876
2011	7,960,741.03	1,855,999	1,817,951	4,550,642	9.92	458,734
2012	3,856,927.83	797,829	781,474	2,304,068	10.38	221,972
2013	2,941,233.16	522,692	511,977	1,841,010	10.89	169,055
2014	3,363,235.15	490,064	480,018	2,210,570	11.45	193,063



#### ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

YEAR	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	VOR CURVE IOWA BALVAGE PERCENT					
2015 2016 2017	2,179,741.90 974,756.55 5,375,867.39	239,144 67,952 132,074	234,242 66,559 129,366	1,509,552 713,246 4,171,328	12.08 12.78 13.57	124,963 55,810 307,393
	56,117,944.93	15,778,434	15,454,979	29,439,377		3,253,769
	COMPOSITE REMAIN	ING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	г 9.0	5.80



### **IDAHO PROPERTY**



#### ACCOUNT 360.2 LAND RIGHTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA VAGE PERCENT					
1993	1,422.19	572	690	732	35.85	20
1994	954,558.25	369,099	445,117	509,441	36.80	13,844
2008	66,347.44	10,483	12,642	53,705	50.52	1,063
2009	16,529.12	2,336	2,817	13,712	51.52	266
2010	24,526.13	3,062	3,693	20,833	52.51	397
2011	21,813.21	2,360	2,846	18,967	53.51	354
2012	45,526.83	4,166	5,024	40,503	54.51	743
2013	65,558.20	4,906	5,916	59,642	55.51	1,074
2014	30,169.27	1,760	2,122	28,047	56.50	496
2015	20,377.20	849	1,024	19,353	57.50	337
2016	66,349.13	1,659	2,001	64,348	58.50	1,100
	1,313,176.97	401,252	483,892	829,285		19,694

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.1 1.50



#### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

VEAD	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR (1)	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL (7)
( 1 )	( 2 )	(3)	(4)	(5)	(0)	( / )
	CURVE IOWA					
NET SALV	AGE PERCENT	-5				
1913	23.81	25	25			
1919	91.99	93	97			
1920	303.19	304	318			
1922	66.85	66	70			
1924	297.21	293	312			
1942	83.16	75	87			
1946	222.71	197	234			
1947	63.54	56 124	67			
1948 1952	153.64 896.15	134 755	161 911	30	12.88	2
1953	3,018.87	2,519	3,038	132	13.35	10
1954	2,725.52	2,252	2,716	146	13.84	11
1955	11,571.24	9,471	11,424	726	14.33	51
1956	598.90	485	585	44	14.85	3
1957	1,280.70	1,027	1,239	106	15.38	7
1958	4,094.49	3,246	3,915	384	15.92	24
1959	1,177.24	923	1,113	123	16.48	7
1961	22,912.06	17,533	21,148	2,910	17.63	165
1962	4,876.72	3,684	4,444	677	18.23	37
1963	10,521.65	7,846	9,464	1,584	18.84	84
1964	4,054.28	2,983	3,598	659	19.46	34
1965	1,354.77	983	1,186	237	20.10	12
1966	1,369.24	979	1,181	257	20.75	12
1967	12,784.47	9,002	10,858	2,566	21.41	120
1968	9,010.60	6,247	7,535	1,926	22.08	87
1969	6,592.49	4,498	5,425	1,497	22.76	66
1970	6,380.38	4,282	5,165	1,534	23.45	65
1971 1972	1,247.62 3,736.95	823 2,422	993 2,921	317	24.16 24.87	13 40
1972	842.50	536	647	1,003 238	25.59	9
1974	3,272.22	2,044	2,465	971	26.33	37
1975	48,366.95	29,635	35,745	15,040	27.07	556
1976	3,843.22	2,308	2,784	1,251	27.82	45
1977	10,941.83	6,437	7,764	3,725	28.58	130
1978	41,049.70	23,640	28,514	14,588	29.35	497
1979	33,284.05	18,748	22,613	12,335	30.13	409
1980	57,648.92	31,746	38,291	22,240	30.91	720
1981	27,906.15	15,007	18,101	11,200	31.71	353
1982	40,124.73	21,059	25,401	16,730	32.51	515
1984	887.22	442	533	399	34.14	12
1985	37,676.03	18,283	22,052	17,508	34.96	501



#### ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA LVAGE PERCENT					
1988	38,180.59	16,967	20,465	19,625	37.49	523
1989	66,099.13	28,466	34,335	35,069	38.34	915
1990	6,901.04	2,875	3,468	3,778	39.21	96
1991	3,189.33	1,284	1,549	1,800	40.08	45
1992	29,620.84	11,508	13,881	17,221	40.95	421
1993	35,644.29	13,341	16,092	21,335	41.83	510
1995	116,944.55	40,389	48,716	74,076	43.62	1,698
1997	5,345.44	1,690	2,038	3,575	45.43	79
2000	20,742.40	5,636	6,798	14,982	48.18	311
2001	38,765.60	9,950	12,001	28,703	49.11	584
2002	16,492.89	3,983	4,804	12,514	50.05	250
2005	285.01	56	68	231	52.88	4
2006	5,201.87	939	1,133	4,329	53.83	80
2007	705,325.85	116,443	140,450	600,142	54.78	10,955
2008	1,568.75	235	283	1,364	55.74	24
2010	170,189.49	20,152	24,307	154,392	57.67	2,677
2011	470,648.67	48,356	58,325	435,856	58.64	7,433
2013	3,458.54	246	297	3,334	60.59	55
2014	129,260.17	7,182	8,663	127,060	61.56	2,064
2015	43,858.56	1,743	2,102	43,949	62.54	703
2016	1,649.62	39	47	1,685	63.52	27
	2,326,726.59	584,568	704,962	1,738,101		34,088

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 51.0 1.47



### ACCOUNT 362 STATION EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
	AGE PERCENT					
1923	419.70	441	483			
1926	412.32	427	474			
1936	7,233.45	7,095	8,318			
1937	2,815.47	2,744	3,238			
1941	6,943.74	6,597	7,956	29	9.56	3
1942	44.52	42	51	_		
1943	289.07	271	327	5	10.18	
1945	396.37	366	441	15	10.82	1
1946	421.59	387	467	18	11.15	2
1948	2,085.88	1,883	2,271	128	11.83	11
1949	140.41 26.86	126 24	152 29	9	12.17 12.89	1
1951 1952	31,564.32	27,548	33,223		13.26	232
1952	28,645.58	24,773	29,876	3,076 3,066	13.20	225
1953	51,659.19	44,254	53,370	6,038	14.03	430
1955	44,221.78	37,522	45,251	5,604	14.03	389
1955	33,143.16	27,837	33,571	4,544	14.42	306
1957	152,148.25	126,488	152,544	22,426	15.24	1,472
1958	118,935.13	97,831	117,984	18,791	15.66	1,200
1959	55,889.69	45,458	54,822	9,451	16.10	587
1960	57,745.53	46,437	56,003	10,404	16.54	629
1961	148,638.80	118,131	142,465	28,470	16.99	1,676
1962	209,254.94	164,294	198,138	42,505	17.45	2,436
1963	19,236.22	14,914	17,986	4,136	17.92	231
1964	40,077.82	30,670	36,988	9,101	18.40	495
1965	57,182.58	43,187	52,083	13,677	18.88	724
1966	202,727.57	150,989	182,092	51,045	19.38	2,634
1967	412,473.29	302,802	365,177	109,167	19.89	5,489
1968	365,776.49	264,547	319,042	101,601	20.41	4,978
1969	120,952.49	86,163	103,912	35,183	20.93	1,681
1970	32,140.21	22,533	27,175	9,786	21.47	456
1971	94,734.30	65,327	78,784	30,160	22.02	1,370
1972	40,533.06	27,485	33,147	13,466	22.57	597
1973	59,346.18	39,546	47,692	20,556	23.13	889
1974	203,042.23	132,882	160,255	73,244	23.70	3,090
1975	872,856.43	560,473	675,927	327,858	24.29	13,498
1976	995,009.77	626,643	755,727	388,534	24.88	15,616
1977	630,447.45	389,268	469,455	255,560	25.47	10,034
1978	547,593.43	331,126	399,336	230,396	26.08	8,834
1979	283,255.23	167,670	202,209	123,535	26.69	4,629
1980	108,158.42	62,598	75,493	48,889	27.32	1,789

#### ACCOUNT 362 STATION EQUIPMENT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	55-R1.5				
NET SA	ALVAGE PERCENT	-15				
1981	606,526.68	343,047	413,712	283,794	27.95	10,154
1982	269,329.66	148,726	179,363	130,366	28.59	4,560
1983	74,681.10	40,241	48,530	37,353	29.23	1,278
1984	38,507.57	20,218	24,383	19,901	29.89	666
1985	171,283.57	87,566	105,604	91,372	30.55	2,991
1986	390,893.69	194,443	234,497	215,031	31.21	6,890
1987	70,893.84	34,256	41,313	40,215	31.89	1,261
1988	138,990.89	65,186	78,614	81,226	32.57	2,494
1989	226,852.99	103,118	124,360	136,521	33.26	4,105
1990	134,293.32	59,108	71,284	83,153	33.95	2,449
1991	723,312.75	307,770	371,169	460,641	34.65	13,294
1992	400,613.36	164,513	198,402	262,303	35.36	7,418
1993	444,508.90	175,940	212,182	299,003	36.07	8,290
1994	274,822.83	104,640	126,195	189,851	36.79	5,160
1995	2,477,731.31	906,106	1,092,758	1,756,633	37.51	46,831
1996	344,880.25	120,860	145,756	250,856	38.24	6,560
1997	409,732.04	137,244	165,515	305,677	38.98	7,842
1998	189,294.56	60,517	72,983	144,706	39.71	3,644
1999	112,884.42	34,318	41,387	88,430	40.46	2,186
2000	922,049.02	265,863	320,629	739,727	41.21	17,950
2001	984,764.70	268,500	323,809	808,670	41.96	19,272
2002	836,469.29	214,772	259,014	702,926	42.72	16,454
2003	702,976.92	169,324	204,204	604,219	43.48	13,896
2004	462,097.46	103,965	125,381	406,031	44.24	9,178
2005	492,788.95	102,937	124,141	442,566	45.01	9,833
2006	740,798.11	142,654	172,040	679,878	45.79	14,848
2007	5,387,007.81	949,517	1,145,111	5,049,948	46.57	108,438
2008	609,749.48	97,532	117,623	583,589	47.35	12,325
2009	733,128.36	105,160	126,822	716,276	48.14	14,879
2010	1,348,838.29	171,186	206,449	1,344,715	48.93	27,482
2011	707,848.81	78,147	94,245	719,781	49.72	14,477
2012	209,722.07	19,644	23,691	217,489	50.52	4,305
2013	911,281.50	69,931	84,336	963,638	51.33	18,773
2014	250,031.09	14,952	18,032	269,504	52.14	5,169
2015	2,313,190.29	99,144	119,567	2,540,602	52.95	47,981
2016	338,047.42	8,693	10,484	378,271	53.77	7,035
2017	4,439,187.18	38,033	45,867	5,059,198	54.59	92,676
	35,928,629.40	10,127,570	12,213,386	29,104,538		679,678
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COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.8 1.89



### ACCOUNT 364 POLES, TOWERS AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
	AGE PERCENT					
1918	43.02	81	82			
1919	215.42	403	409			
1920	316.66	587	602			
1921	306.48	562	582			
1922	610.54	1,109	1,160			
1923	866.96	1,560	1,647			
1924	826.81	1,473	1,571			
1925	1,251.91	2,208	2,379			
1926	1,309.87	2,288	2,489			
1927	979.68	1,694	1,861			
1928	1,853.03	3,174 4,113	3,521			
1929 1930	2,424.60 4,044.90	6,795	4,607 7,685			
1931	3,302.45	5,495	6,275			
1932	787.62	1,298	1,496			
1933	637.07	1,040	1,210			
1934	1,166.68	1,887	2,217			
1935	1,639.88	2,627	3,116			
1936	2,986.46	4,739	5,674			
1937	3,412.23	5,363	6,468	15	8.64	2
1938	2,559.84	3,984	4,805	59	9.04	7
1939	4,350.40	6,707	8,089	177	9.43	19
1940	5,327.33	8,132	9,808	314	9.83	32
1941	6,710.76	10,142	12,232	518	10.23	51
1942	4,013.44	6,006	7,244	382	10.62	36
1943	4,665.16	6,910	8,334	530	11.02	48
1944	6,025.65	8,834	10,654	795	11.42	70
1945	6,433.82	9,334	11,257	967	11.82	82
1946	16,577.34	23,799	28,703	2,794	12.22	229
1947	20,480.90	29,092	35,087	3,827	12.62	303
1948	32,112.26	45,125	54,423	6,590	13.02	506
1949	23,962.73	33,300	40,162	5,367	13.43	400
1950	22,169.16	30,462	36,739	5,382	13.84	389
1951 1952	33,470.32	45,469 40,515	54,838	8,756 8,475	14.25	614 578
1952	30,178.19 46,929.06	62,255	48,864 75,083	14,082	14.67 15.09	933
1953	39,185.37	51,357	61,940	12,512	15.51	807
1955	45,293.51	58,640	70,723	15,312	15.93	963
1956	54,794.07	70,044	84,477	19,632	16.36	1,200
1957	59,777.06	75,415	90,955	22,621	16.80	1,346
1958	73,422.97	91,431	110,271	29,233	17.23	1,697
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### ACCOUNT 364 POLES, TOWERS AND FIXTURES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SHRVIV	OR CURVE IOWA	50-R0 5				
	LVAGE PERCENT					
1959	79,912.99	98,176	118,406	33,429	17.67	1,892
1960	106,474.97	128,988	155,567	46,735	18.12	2,579
1961	106,980.23	127,771	154,100	49,162	18.57	2,647
1962	97,557.14	114,848	138,514	46,845	19.02	2,463
1963	199,672.22	231,572	279,290	100,087	19.48	5,138
1964	153,248.00	175,052	211,123	80,048	19.94	4,014
1965	127,656.31	143,588	173,176	69,371	20.40	3,401
1966	156,629.68	173,380	209,107	88,489	20.87	4,240
1967	127,660.41 151,439.84	138,984	167,623	74,932	21.35 21.83	3,510
1968 1969	151,439.84	162,110 166,335	195,514 200,610	92,222 99,742	22.31	4,225 4,471
1970	171,180.43	176,932	213,391	111,852	22.80	4,906
1971	186,428.04	189,221	228,212	126,001	23.29	5,410
1972	212,612.23	211,758	255,393	148,570	23.79	6,245
1973	289,075.92	282,312	340,485	208,759	24.30	8,591
1974	304,646.99	291,730	351,844	226,985	24.80	9,153
1975	382,990.03	359,183	433,196	294,485	25.32	11,631
1976	423,678.99	389,132	469,317	335,673	25.83	12,995
1977	552,369.82	496,415	598,706	450,797	26.35	17,108
1978	687,063.15	603,626	728,009	577,411	26.88	21,481
1979	670,986.62	575,988	694,676	580,199	27.41	21,167
1980	725,108.72	607,844	733,096	644,611	27.94	23,071
1981	764,714.65	625,353	754,213	698,745	28.48	24,535
1982	1,529,539.82	1,219,410	1,470,682	1,435,444	29.02	49,464
1983	823,845.04	639,584	771,377	793,929	29.57	26,849
1984	1,262,455.08	953,709	1,150,230	1,248,435	30.12	41,449
1985	1,427,219.15	1,047,807	1,263,718	1,447,998	30.68	47,197
1986	1,731,505.29	1,234,355	1,488,706	1,801,154	31.24	57,655
1987	920,062.80	636,315	767,434	980,685	31.80	30,839
1988	760,263.76	509,620	614,632	829,869	32.36	25,645
1989	679,450.92	440,733	531,551	759,406	32.93	23,061
1990	937,799.14	587,644	708,734	1,073,084	33.51	32,023
1991	795,132.44	481,023	580,143	930,609	34.08	27,307 40,786
1992 1993	1,181,027.34 1,441,176.76	688,444 808,327	830,305 974,891	1,413,647 1,763,345	34.66 35.24	50,038
1994	1,598,654.57	861,419	1,038,923	1,703,343	35.82	55,793
1995	2,166,486.60	1,118,817	1,349,361	2,766,964	36.41	75,995
1996	2,411,834.37	1,110,817	1,436,955	3,145,530	37.00	85,014
1997	2,704,646.08	1,275,457	1,538,278	3,600,550	37.59	95,785
1998	1,641,333.27	737,221	889,133	2,229,400	38.18	58,392
1999	1,299,938.93	554,736	669,045	1,800,839	38.77	46,449
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### ACCOUNT 364 POLES, TOWERS AND FIXTURES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
2000	2,113,948.45	854,712	1,030,834	2,985,668	39.36	75,855
2001	1,409,978.79	537,935	648,782	2,030,178	39.96	50,805
2002	1,881,150.12	674,806	813,857	2,760,328	40.56	68,055
2003	2,168,594.78	728,474	878,583	3,241,747	41.16	78,760
2004	2,599,552.49	813,972	981,699	3,957,451	41.76	94,767
2005	3,253,030.35	944,420	1,139,027	5,041,731	42.36	119,021
2006	2,342,946.45	626,785	755,940	3,695,658	42.96	86,026
2007	2,765,567.58	676,790	816,250	4,438,328	43.56	101,890
2008	2,878,105.44	637,615	769,002	4,699,398	44.17	106,393
2009	3,766,586.82	747,140	901,096	6,255,419	44.78	139,692
2010	4,149,237.87	728,440	878,542	7,005,010	45.38	154,363
2011	3,953,199.79	602,389	726,517	6,784,563	45.99	147,523
2012	4,645,304.27	598,408	721,716	8,104,362	46.61	173,876
2013	3,036,330.79	320,758	386,854	5,382,175	47.22	113,981
2014	4,258,093.41	351,122	423,474	7,666,903	47.83	160,295
2015	4,304,294.26	253,523	305,764	7,872,395	48.45	162,485
2016	3,428,975.08	121,180	146,151	6,368,902	49.07	129,792
2017	2,732,529.73	32,189	38,821	5,152,985	49.69	103,703
	88,403,386.63	32,472,472	39,160,314	128,806,120		3,152,208

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.9 3.57



#### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
1914	53.71	70	73			
1915	120.83	155	163			
1916	316.56	403	427			
1917	374.97	472	506			
1918	329.75	412	445			
1919	676.28	837	913			
1920	714.20	876	964			
1921	567.94	690	767			
1922	1,001.48	1,206	1,352			
1923	1,298.31	1,550	1,753			
1924	1,157.74	1,370	1,563			
1925 1926	1,733.18 1,730.22	2,033 2,011	2,340 2,336			
1927	1,750.22	1,448	1,696			
1927	2,243.00	2,562	3,028			
1929	3,006.68	3,404	4,059			
1930	4,845.66	5,438	6,542			
1931	3,745.44	4,166	5,024	32	9.51	3
1932	940.88	1,037	1,251	19	9.90	2
1933	722.88	790	953	23	10.30	2
1934	1,249.85	1,353	1,632	55	10.70	5
1935	1,728.87	1,855	2,237	97	11.09	9
1936	3,111.16	3,306	3,987	213	11.49	19
1937	5,006.85	5,272	6,358	401	11.88	34
1938	3,627.75	3,784	4,564	333	12.28	27
1939	5,523.30	5,706	6,882	574	12.68	45
1940	5,582.52	5,711	6,888	648	13.08	50
1941	7,684.43	7,784	9,388	986	13.48	73
1942	3,452.28	3,462	4,175	486	13.89	35
1943	3,876.76	3,849	4,642	592	14.29	41
1944	4,819.09	4,735	5,711	795	14.70	54
1945	5,582.93	5,428	6,546	991	15.11	66
1946	15,863.59	15,257	18,401	3,015	15.53	194
1947	24,127.54	22,957	27,687	4,885	15.94	306
1948	29,706.93 23,369.67	27,954 21,746	33,714	6,390 5,322	16.36	391
1949	•		26,227	•	16.78	317
1950 1951	20,982.05 31,310.93	19,298 28,461	23,274 34,325	5,052 7,945	17.21 17.64	294 450
1951	23,443.32	21,058	25,397	6,251	18.07	346
1953	46,715.17	41,448	49,988	13,077	18.51	706
1954	40,995.74	35,922	43,323	12,021	18.95	634
	-0,220.71	55,522	10,010	,	_0.,0	331



#### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	54-R0.5				
NET SAI	LVAGE PERCENT	-35				
1955	45,823.22	39,649	47,818	14,043	19.39	724
1956	53,226.64	45,455	54,820	17,036	19.84	859
1957	57,120.40	48,138	58,056	19,057	20.29	939
1958	76,843.40	63,896	77,061	26,678	20.74	1,286
1959	67,003.04	54,943	66,263	24,191	21.20	1,141
1960	91,528.52	74,001	89,248	34,316	21.66	1,584
1961	115,216.43	91,799	110,713	44,829	22.13	2,026
1962	91,221.83	71,609	86,363	36,786	22.60	1,628
1963	173,241.99	133,915	161,507	72,370	23.08	3,136
1964 1965	130,428.34 106,242.48	99,255 79,575	119,705 95,971	56,373 47,456	23.56 24.04	2,393 1,974
1966	91,164.12	67,165	81,004	42,068	24.04	1,715
1967	161,205.28	116,794	140,858	76,769	25.02	3,068
1968	141,156.27	100,504	121,212	69,349	25.52	2,717
1969	140,114.46	98,010	118,204	70,951	26.02	2,727
1970	155,735.00	106,990	129,034	81,208	26.52	3,062
1971	153,479.07	103,482	124,803	82,394	27.03	3,048
1972	188,601.36	124,711	150,406	104,206	27.55	3,782
1973	259,857.59	168,518	203,239	147,569	28.06	5,259
1974	293,078.11	186,180	224,540	171,115	28.59	5,985
1975	456,084.63	283,801	342,275	273,439	29.11	9,393
1976	461,632.95	281,134	339,058	284,146	29.64	9,587
1977	617,529.53	367,738	443,506	390,159	30.18	12,928
1978	719,644.52	418,832	505,128	466,392	30.72	15,182
1979	649,182.40	369,059	445,099	431,297	31.26	13,797
1980	644,811.91	357,713	431,416	439,080	31.81	13,803
1981	676,135.14	365,788	441,154	471,628	32.36	14,574
1982	1,272,119.85	670,733	808,930	908,432	32.91	27,604
1983	648,936.14	333,071	401,696	474,368	33.47	14,173
1984	1,127,907.41	563,100	679,120	843,555	34.03	24,789
1985	1,149,356.81	557,718	672,630	879,002	34.59	25,412
1986	1,289,959.77	607,573	732,757	1,008,689	35.16	28,689
1987	737,570.55	336,882	406,293	589,427	35.73	16,497
1988	559,508.75	247,584	298,596	456,741	36.30	12,582
1989	553,201.84 756,630.77	236,773	285,557	461,265	36.88	12,507
1990 1991	631,034.47	313,054	377,555	643,897	37.45	17,194
1991	1,107,965.74	251,787 426,006	303,665 513,780	548,232 981,974	38.04 38.62	14,412 25,427
1992	1,392,201.81	515,107	621,239	1,258,233	39.20	32,098
1994	1,646,726.62	585,004	705,537	1,517,544	39.20	38,139
1995	1,010,675.37	344,132	415,036	949,376	40.38	23,511
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#### ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	54-R0.5				
NET SA	ALVAGE PERCENT	-35				
1996	1,050,342.62	342,154	412,651	1,005,312	40.97	24,538
1997	1,020,252.16	317,298	382,674	994,666	41.56	23,933
1998	696,199.48	206,076	248,536	691,333	42.16	16,398
1999	725,750.57	204,114	246,169	733,594	42.75	17,160
2000	717,499.59	191,032	230,392	738,232	43.35	17,030
2001	377,342.99	94,807	114,341	395,072	43.95	8,989
2002	1,341,547.54	316,941	382,243	1,428,846	44.55	32,073
2003	783,204.14	173,285	208,988	848,338	45.15	18,789
2004	787,996.79	162,527	196,014	867,782	45.75	18,968
2005	842,574.60	161,146	194,348	943,128	46.35	20,348
2006	759,540.86	133,874	161,457	863,923	46.95	18,401
2007	647,219.41	104,203	125,673	748,073	47.56	15,729
2008	1,005,703.86	146,835	177,089	1,180,611	48.16	24,514
2009	851,583.61	111,342	134,283	1,015,355	48.77	20,819
2010	788,852.68	91,117	109,891	955,060	49.38	19,341
2011	393,335.55	39,432	47,556	483,447	49.99	9,671
2012	685,484.02	58,263	70,267	855,136	50.60	16,900
2013	505,238.18	35,113	42,348	639,724	51.22	12,490
2014	609,536.35	33,071	39,885	782,989	51.83	15,107
2015	871,692.07	33,774	40,733	1,136,051	52.45	21,660
2016	783,621.82	18,217	21,970	1,035,919	53.07	19,520
2017	1,219,205.77	9,448	11,395	1,634,533	53.69	30,444
	20 400 406 22	10 600 500	16 411 055	25 560 650		000 000
	38,499,426.29	13,608,523	16,411,256	35,562,969		878,276

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 40.5 2.28



#### ACCOUNT 366 UNDERGROUND CONDUIT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	60-R2				
NET SALV	AGE PERCENT	-40				
1912	22.37	31	31			
1915	2.65	4	4			
1916	4.28	6	6			
1917	4.32	6	6			
1918	0.71	1	1			
1919	2.15	3	3			
1920	1.06	1	1			
1921	3.16	4	4			
1922	6.17	8	9			
1923	12.27	16	17			
1924	33.53	43	47			
1925	10.79	14	15			
1926	4.83	6	7			
1927	3.51	4	5			
1928	19.52	25 18	27			
1929 1930	14.50 47.57	18 59	20 67			
1930	27.60	34	39			
1931	4.47	6	6			
1933	1.34	2	2			
1934	1.07	1	1			
1935	3.52	4	5			
1936	12.06	15	17			
1937	38.57	46	54			
1938	25.03	30	35			
1939	17.43	21	24			
1940	4.88	6	7			
1941	1.98	2	2	1	10.01	
1942	1.55	2	2			
1943	14.54	17	20			
1944	14.76	17	21			
1945	2.23	3	3			
1946	55.28	62	75	2	11.76	
1948	288.49	320	386	18	12.52	1
1949	183.79	202	244	13	12.91	1
1950	791.57	862	1,040	68	13.31	5
1951	180.14	195	235	17	13.71	1
1952	337.37	361	435	37	14.13	3
1953	271.00	287	346	33	14.56	2
1954	711.51	747	901	95	14.99	6
1955	2,115.81	2,200	2,653	309	15.44	20



#### ACCOUNT 366 UNDERGROUND CONDUIT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
1956	979.05	1,007	1,214	157	15.90	10
1957	1,185.28	1,207	1,456	203	16.36	12
1958	1,184.28	1,193	1,439	219	16.84	13
1959	349.41	348	420	69	17.32	4
1960	1,867.25	1,838	2,217	397	17.82	22
1961	1,231.37	1,198	1,445	279	18.32	15
1962	2,178.35	2,092	2,523	527	18.84	28
1963 1964	3,253.46 7,523.68	3,085 7,040	3,720 8,490	835 2,043	19.36 19.90	43 103
1965	4,603.25	4,249	5,124	1,321	20.44	65
1966	4,836.60	4,401	5,307	1,464	21.00	70
1967	6,093.13	5,465	6,591	1,939	21.56	90
1968	4,609.52	4,072	4,911	1,542	22.14	70
1969	10,749.99	9,351	11,277	3,773	22.72	166
1970	13,489.64	11,548	13,926	4,959	23.31	213
1971	29,270.01	24,641	29,716	11,262	23.92	471
1972	47,836.60	39,591	47,745	19,226	24.53	784
1973	35,964.77	29,245	35,268	15,083	25.15	600
1974	60,748.49	48,505	58,495	26,553	25.78	1,030
1975	62,714.18	49,153	59,277	28,523	26.41	1,080
1976	67,568.29	51,933	62,629	31,967	27.06	1,181
1977	98,893.12	74,510	89,857	48,593	27.71	1,754
1978	119,734.79	88,340	106,535	61,094	28.38	2,153
1979	135,740.65	98,027	118,217	71,820	29.05	2,472
1980 1981	89,156.48 96,184.60	62,971 66,387	75,941 80,060	48,878 54,598	29.73 30.42	1,644 1,795
1982	120,833.79	81,454	98,231	70,936	31.11	2,280
1983	96,617.10	63,551	76,640	58,624	31.81	1,843
1984	147,426.27	94,530	114,000	92,397	32.52	2,841
1985	153,297.64	95,719	115,434	99,183	33.24	2,984
1986	145,634.61	88,453	106,671	97,217	33.97	2,862
1987	87,112.69	51,426	62,018	59,940	34.70	1,727
1988	71,713.97	41,097	49,562	50,838	35.44	1,434
1989	81,694.34	45,386	54,734	59,638	36.19	1,648
1990	100,888.72	54,284	65,465	75,779	36.94	2,051
1991	134,124.33	69,790	84,164	103,610	37.70	2,748
1992	243,968.20	122,560	147,803	193,752	38.47	5,036
1993	245,174.27	118,704	143,153	200,091	39.25	5,098
1994	275,175.31	128,221	154,630	230,615	40.03	5,761
1995	342,700.55	153,448	185,053	294,728	40.81	7,222
1996	624,799.62	268,102	323,322	551,397	41.61	13,252



#### ACCOUNT 366 UNDERGROUND CONDUIT

## CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA LVAGE PERCENT					
1997	492,704.76	202,225	243,877	445,910	42.41	10,514
1998	393,423.90	154,129	185,875	364,918	43.21	8,445
1999	132,134.54	49,268	59,416	125,572	44.02	2,853
2000	124,599.67	44,076	53,154	121,286	44.84	2,705
2001	115,364.80	38,574	46,519	114,992	45.67	2,518
2002	173,499.10	54,694	65,959	176,940	46.49	3,806
2003	236,037.29	69,782	84,155	246,297	47.33	5,204
2004	312,011.73	86,127	103,866	332,950	48.17	6,912
2005	241,335.81	61,888	74,635	263,235	49.01	5,371
2006	230,489.16	54,479	65,700	256,985	49.87	5,153
2007	466,606.45	101,038	121,848	531,401	50.72	10,477
2008	316,567.06	62,193	75,003	368,191	51.58	7,138
2009	280,448.13	49,404	59,580	333,047	52.45	6,350
2010	290,569.41	45,289	54,617	352,180	53.32	6,605
2011	197,406.51	26,717	32,220	244,149	54.20	4,505
2012	586,536.41	67,334	81,202	739,949	55.08	13,434
2013	240,565.85	22,676	27,346	309,446	55.96	5,530
2014	242,208.64	17,802	21,469	317,623	56.85	5,587
2015	348,908.18	18,318	22,091	466,380	57.75	8,076
2016	337,150.10	10,700	12,904	459,106	58.64	7,829
2017	342,826.46	3,600	4,341	475,616	59.55	7,987
	9,885,800.99	3,414,126	4,117,280	9,722,841		211,713

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 45.9 2.14



#### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	60-R2.5				
	AGE PERCENT					
1927	0.09					
1928	1.18	1	1			
1929	1.56	2	2			
1930 1931	6.92 6.42	7 7	8 7			
1931	1.35	1	1	1	6.38	
1933	0.52	1	1	_	0.50	
1934	0.52	1	1			
1935	1.98	2	2			
1936	15.62	16	18			
1937	26.25	26	30			
1938	14.52	15	17			
1939	15.31	15	18			
1940	31.81	32	37			
1941	7.36	7	8			
1942	10.96	11	13			
1943	25.72	25	30			
1944 1945	6.78 0.99	7 1	8 1			
1945	35.30	34	41			
1947	36.42	35	42			
1948	227.56	215	259	3	10.62	
1949	158.15	149	180	2	10.95	
1950	238.79	223	269	6	11.30	1
1951	283.17	262	316	10	11.66	1
1952	310.53	286	345	12	12.03	1
1953	861.37	786	948	43	12.42	3
1954	1,769.95	1,601	1,931	104	12.82	8
1955	2,318.16	2,078	2,506	160	13.23	12
1956	6,073.97	5,395	6,506	479	13.66	35
1957 1958	4,609.73 5,346.04	4,055 4,655	4,890 5,614	411 534	$14.11 \\ 14.57$	29 37
1959	3,315.62	2,857	3,445	368	15.04	24
1960	4,953.89	4,222	5,092	605	15.53	39
1961	7,284.20	6,139	7,403	974	16.03	61
1962	3,433.82	2,860	3,449	500	16.55	30
1963	3,813.83	3,137	3,783	603	17.08	35
1964	15,321.50	12,445	15,008	2,612	17.62	148
1965	12,666.64	10,153	12,244	2,323	18.18	128
1966	9,583.02	7,577	9,138	1,882	18.75	100
1967	11,637.55	9,069	10,937	2,446	19.34	126



#### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	60-R2.5				
NET SAI	LVAGE PERCENT	-15				
1968	16,349.11	12,556	15,142	3,659	19.93	184
1969	14,922.61	11,286	13,610	3,551	20.54	173
1970	43,429.32	32,330	38,989	10,955	21.16	518
1971	54,052.06	39,585	47,738	14,422	21.79	662
1972	95,290.55	68,600	82,729	26,855	22.44	1,197
1973	90,067.11	63,718	76,841	26,736	23.09	1,158
1974 1975	145,019.87 185,993.65	100,731 126,802	121,477 152,918	45,296 60,975	23.76 24.43	1,906
1975	197,065.68	131,783	158,924	67,702	25.11	2,496 2,696
1977	372,249.17	243,937	294,177	133,910	25.81	5,188
1978	457,902.23	293,925	354,460	172,128	26.51	6,493
1979	469,945.15	295,170	355,962	184,475	27.23	6,775
1980	451,377.46	277,279	334,386	184,698	27.95	6,608
1981	519,241.81	311,701	375,897	221,231	28.68	7,714
1982	630,426.06	369,506	445,608	279,382	29.42	9,496
1983	426,016.07	243,573	293,738	196,180	30.17	6,502
1984	639,130.68	356,233	429,601	305,399	30.92	9,877
1985	826,176.27	448,287	540,614	409,489	31.69	12,922
1986	778,082.97	410,711	495,299	399,496	32.46	12,307
1987	462,999.12 386,529.87	237,472	286,381	246,068	33.24 34.03	7,403
1988 1989	466,035.03	192,397 224,918	232,022 271,241	212,487 264,699	34.03	6,244 7,602
1990	518,800.82	242,330	292,239	304,382	35.63	8,543
1991	590,815.35	266,795	321,743	357,695	36.44	9,816
1992	1,094,833.84	477,397	575,719	683,340	37.25	18,345
1993	1,100,094.00	462,182	557,371	707,737	38.08	18,586
1994	1,127,364.59	455,709	549,565	746,904	38.91	19,196
1995	380,751.31	147,854	178,305	259,559	39.74	6,531
1996	1,462,734.21	544,174	656,250	1,025,894	40.59	25,275
1997	1,019,645.36	362,718	437,422	735,170	41.44	17,741
1998	787,463.81	267,147	322,167	583,416	42.30	13,792
1999	341,184.37	110,124	132,805	259,557	43.16	6,014
2000	391,346.02	119,789	144,460	305,588	44.03	6,940
2001	554,305.04	160,427	193,468	443,983 464,483	44.90 45.78	9,888 10,146
2002 2003	565,533.75 673,758.44	154,136 172,142	185,881 207,595	567,227	46.67	12,154
2003	864,400.87	206,099	248,546	745,515	47.56	15,675
2005	550,111.08	121,781	146,862	485,766	48.45	10,026
2006	716,779.36	146,313	176,447	647,849	49.35	13,128
2007	1,378,386.63	257,317	310,313	1,274,832	50.26	25,365
2008	968,268.91	163,875	197,626	915,883	51.17	17,899



#### ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA VAGE PERCENT					
2009	566,809.03	86,042	103,763	548,067	52.08	10,524
2010	453,578.16	60,857	73,391	448,224	53.00	8,457
2011	579,459.39	67,524	81,431	584,947	53.92	10,848
2012	540,859.76	53,385	64,380	557,609	54.85	10,166
2013	549,569.12	44,556	53,732	578,272	55.77	10,369
2014	516,516.30	32,569	39,277	554,717	56.71	9,782
2015	599,287.70	27,105	32,687	656,494	57.64	11,390
2016	361,764.91	9,847	11,875	404,155	58.58	6,899
2017	672,744.93	6,058	7,306	766,351	59.53	12,873
	27,749,923.98	9,797,162	11,814,929	20,097,484		473,307

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.5 1.71



#### ACCOUNT 368 LINE TRANSFORMERS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			( - /	(-,	( - )	( - /
	R CURVE IOWA /AGE PERCENT					
1945	235.51	221	259			
1946	1,162.79	1,080	1,279			
1947	1,145.34	1,055	1,260			
1948	1,623.11	1,482	1,785			
1949	3,249.95	2,941	3,547	28	8.33	3
1950	5,270.32	4,727	5,701	96	8.68	11
1951	9,691.15	8,610	10,383	277	9.04	31
1952	14,451.13	12,714	15,333	563	9.41	60
1953	64,397.35	56,097	67,651	3,186	9.78	326
1954	42,195.55	36,382	43,875	2,540	10.16	250
1955	23,023.83	19,647	23,693	1,633	10.54	155 141
1956 1957	18,819.28 52,112.22	15,887 43,517	19,159 52,480	1,542 4,843	10.93 11.32	428
1958	41,975.44	34,659	41,797	4,376	11.72	373
1959	693,450.29	565,925	682,481	80,314	12.13	6,621
1960	108,514.59	87,518	105,543	13,823	12.54	1,102
1961	51,581.90	41,095	49,559	7,181	12.96	554
1962	144,971.75	114,071	137,565	21,904	13.38	1,637
1963	13,780.86	10,705	12,910	2,249	13.81	163
1964	8,246.05	6,321	7,623	1,448	14.25	102
1965	24,786.24	18,743	22,603	4,662	14.69	317
1966	4,969.70	3,705	4,468	999	15.15	66
1967	27,856.27	20,472	24,688	5,954	15.60	382
1968	83,821.83	60,679	73,176	19,028	16.07	1,184
1969	50,144.73	35,748	43,111	12,048	16.54	728
1970	102,205.27	71,713	86,483	25,943	17.02	1,524
1971	36,000.61	24,856	29,975	9,626	17.50	550
1972	22,634.70	15,363	18,527	6,371	18.00	354
1973	67,973.44	45,340	54,678	20,093	18.50	1,086
1974	202,697.87	132,784	160,132	62,836	19.01	3,305
1975	413,366.72	265,856	320,611	134,092	19.52	6,869
1976	768,015.58	484,604	584,411	260,406	20.04	12,994
1977	630,522.17	390,025	470,353	223,221	20.57	10,852
1978 1979	693,644.95	420,304	506,868	256,141	21.11	12,134
1979	361,054.20 400,486.63	214,129 232,360	258,230 280,216	138,930 160,319	21.66 22.21	6,414 7,218
1981	620,214.65	351,713	424,150	258,086	22.77	11,334
1982	1,890,430.42	1,046,807	1,262,403	817,070	23.34	35,007
1983	2,313,892.89	1,250,446	1,507,983	1,037,299	23.91	43,383
1984	3,046,754.77	1,605,134	1,935,721	1,415,709	24.49	57,808
1985	3,184,430.27	1,633,670	1,970,134	1,532,739	25.08	61,114
	,	, ,	, ,	, ,		,



#### ACCOUNT 368 LINE TRANSFORMERS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	VOR CURVE IOWA	47-R1				
	ALVAGE PERCENT					
1986	5,362,922.32	2,676,002	3,227,140	2,672,075	25.68	104,053
1987	1,323,481.88	641,803	773,986	681,844	26.28	25,945
1988	898,964.40	423,104	510,245	478,616	26.89	17,799
1989	1,102,260.13	502,794	606,347	606,139	27.51	22,033
1990	2,606,749.88	1,151,242	1,388,347	1,479,078	28.13	52,580
1991	2,558,078.91	1,092,041	1,316,953	1,496,934	28.76	52,049
1992	2,000,182.41	824,371	994,155	1,206,046	29.39	41,036
1993	1,205,028.96	478,597	577,167	748,365	30.03	24,921
1994	2,239,157.98	855,253	1,031,397	1,431,677	30.68	46,665
1995	1,129,989.66	414,412	499,763	743,226	31.33	23,723
1996	1,823,127.62	640,879	772,872	1,232,568	31.98	38,542
1997	1,208,120.76	406,029	489,653	839,280	32.64	25,713
1998	745,964.89	239,013	288,239	532,322	33.31	15,981
1999	1,423,897.67	434,222	523,653	1,042,634	33.97	30,693
2000	1,731,489.09	500,482	603,559	1,301,079	34.65	37,549
2001	1,615,121.62	441,511	532,443	1,244,191	35.32	35,226
2002	1,510,360.65	388,833	468,915	1,192,482	36.00	33,124
2003	1,973,197.85	476,581	574,736	1,595,782	36.68	43,506
2004	2,151,274.90	484,852	584,710	1,781,692	37.37	47,677
2005	2,328,676.05	487,231	587,579	1,973,965	38.06	51,865
2006	1,812,632.01	349,988	422,070	1,571,825	38.75	40,563
2007	2,942,115.85	519,884	626,957	2,609,370	39.45	66,144
2008	3,025,132.16	484,971	584,854	2,742,791	40.15	68,314
2009	2,720,135.13	391,523	472,159	2,519,990	40.85	61,689
2010	1,909,587.66	243,117	293,188	1,807,358	41.56	43,488
2011	1,803,444.51	199,649	240,768	1,743,021	42.27	41,235
2012	2,381,828.29	224,090	270,243	2,349,768	42.98	54,671
2013	2,452,397.55	189,401	228,409	2,469,228	43.70	56,504
2014	2,432,898.24	146,334	176,473	2,499,715	44.43	56,262
2015	2,653,333.15	114,266	137,800	2,780,866	45.16	61,578
2016	2,068,240.64	53,737	64,804	2,210,261	45.89	48,164
2017	2,680,998.70	23,209	27,989	2,921,110	46.63	62,644
	82,066,593.84	25,888,526	31,220,377	59,052,876		1,718,516

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 34.4 2.09



#### ACCOUNT 369 SERVICES

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
			, ,	. ,	. ,	. ,
	CURVE IOWA AGE PERCENT					
1945	29.17	34	38			
1946	81.98	96	107			
1947	252.88	295	329			
1948	414.15	481	538			
1949	526.00	607	684			
1950	853.85	980	1,110			
1951	1,220.59	1,392	1,587			
1952	1,496.25	1,695	1,945			
1953	2,661.17	2,996	3,460			
1954	3,390.02	3,790	4,407			
1955	4,800.83	5,329	6,241			
1956 1957	6,322.60 7,203.08	6,964 7,871	8,219 9,364			
1958	8,522.84	9,234	11,080			
1959	10,984.19	11,797	14,228	51	9.56	5
1960	15,327.16	16,310	19,671	254	9.98	25
1961	17,225.01	18,154	21,895	498	10.41	48
1962	22,881.94	23,873	28,792	955	10.86	88
1963	43,717.75	45,125	54,423	2,410	11.33	213
1964	28,889.85	29,485	35,560	1,997	11.82	169
1965	33,658.55	33,947	40,942	2,814	12.33	228
1966	40,371.34	40,221	48,509	3,974	12.85	309
1967	51,008.32	50,167	60,504	5,807	13.39	434
1968	56,224.34	54,567	65,811	7,281	13.94	522
1969	67,675.71	64,768	78,113	9,865	14.51	680
1970	79,958.67	75,408	90,946	13,000	15.10	861
1971	94,639.97	87,889	105,999	17,033	15.71	1,084
1972	119,674.41	109,412	131,956	23,621	16.32	1,447
1973	149,535.92	134,453	162,157	32,240	16.96	1,901
1974	173,094.65	152,975	184,496	40,527	17.61	2,301
1975	205,401.28	178,322	215,065	51,957	18.27	2,844
1976	237,190.77	202,165	243,821	64,527	18.94	3,407
1977	292,748.32	244,743	295,172	85,401	19.63	4,351
1978	327,923.18	268,723	324,093	102,207	20.33	5,027
1979	331,611.02 299,385.12	266,179	321,025	110,069	21.04	5,231
1980	· ·	235,147	283,599 247,115	105,602	21.77	4,851
1981 1982	266,728.33 453,283.28	204,896 340,167	410,258	99,632 179,010	22.50 23.25	4,428 7,699
1982	268,335.15	196,551	237,050	111,786	24.01	4,656
1984	292,427.42	208,949	252,003	128,153	24.01	5,174
1985	196,880.74	137,046	165,284	90,661	25.55	3,548
1700		137,010	105,201	20,001	20.00	3,310



#### ACCOUNT 369 SERVICES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVI	OR CURVE IOWA	55-R3				
NET SA	ALVAGE PERCENT	-30				
1986	324,167.45	219,597	264,845	156,573	26.34	5,944
1987	238,036.75	156,751	189,050	120,398	27.14	4,436
1988	226,021.35	144,563	174,350	119,478	27.94	4,276
1989	200,361.30	124,267	149,872	110,598	28.76	3,846
1990	219,951.73	132,103	159,323	126,614	29.59	4,279
1991	375,358.78	218,077	263,012	224,954	30.42	7,395
1992	462,649.38	259,607	313,099	288,345	31.26	9,224
1993	965,332.12	522,277	629,892	625,040	32.11	19,466
1994	1,032,323.88	537,547	648,309	693,712	32.97	21,041
1995	472,277.04	236,209	284,880	329,080	33.84	9,725
1996	1,381,385.10	662,166	798,605	997,196	34.72	28,721
1997	473,548.71	217,145	261,888	353,725	35.60	9,936
1998	299,524.22	131,046	158,048	231,333	36.49	6,340
1999	2,077,865.31	864,878	1,043,086	1,658,139	37.39	44,347
2000	367,632.71	145,116	175,017	302,906	38.30	7,909
2001	478,927.44	178,744	215,574	407,032	39.21	10,381
2002	1,359,630.82	477,867	576,332	1,191,188	40.13	29,683
2003	1,748,182.82	576,000	694,685	1,577,953	41.06	38,430
2004	1,897,570.07	583,531	703,768	1,763,073	41.99	41,988
2005	2,014,601.27	574,736	693,160	1,925,822	42.93	44,860
2006	1,841,183.52	484,356	584,158	1,809,381	43.87	41,244
2007	1,954,571.58	470,761	567,761	1,973,182	44.81	44,034
2008	1,797,840.77	392,228	473,047	1,864,146	45.77	40,729
2009	1,315,016.61	257,368	310,399	1,399,123	46.72	29,947
2010	1,206,980.86	208,546	251,517	1,317,558	47.69	27,628
2011	1,466,302.84	220,070	265,415	1,640,779	48.65	33,726
2012	1,320,139.94	167,877	202,468	1,513,714	49.62	30,506
2013	1,608,044.65	167,613	202,150	1,888,308	50.59	37,326
2014	1,652,887.65	133,996	161,606	1,987,148	51.57	38,533
2015	1,907,056.71	110,893	133,742	2,345,432	52.54	44,641
2016	1,955,294.96	68,402	82,496	2,459,387	53.52	45,953
2017	1,678,716.91	19,445	23,452	2,158,880	54.51	39,605
	40,533,943.05	13,136,985	15,842,602	36,851,524		867,630

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 42.5 2.14



#### ACCOUNT 370 METERS

SURVIVOR CURVE. IOWA 20-83 NET SALVAGE PERCENT3  1967	YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
NET SALVAGE PERCENT3  1967				( - /	( - /	( - )	( - )
1967							
1969	NEI SALV	AGE FERCENI	3				
1969	1967	4,252.19	4,380	4,380			
1971 644.11 663 663 1972 1.502.44 1.548 1.548 1973 3.179.17 3.275 3.275 1974 9.531.10 9.817 9.817 1975 10.340.49 10.651 10.651 1976 15.604.10 16.072 16.072 1977 21.992.06 22.652 22.652 1978 28.690.56 29.551 29.551 1979 20.807.61 21.432 21.432 1980 27.866.62 28.315 28.703 1981 37.127.37 37.457 38.241 1982 73.930.31 74.054 76.148 1983 110.634.34 110.079 113.953 1984 54.987.93 54.315 56.638 1985 80.176.71 78.577 82.582 1986 490.526.09 476.696 505.242 1987 357.737.25 344.703 368.469 1988 335.733.62 320.389 345.806 1989 208.914.65 197.430 215.182 1990 150.350.39 140.536 154.861 1991 211.898.16 195.775 218.255 1992 418.751.71 381.929 431.314 1993 377.839.69 339.750 389.175 1994 53.111.29 47.019 54.705 1995 101.855.41 88.650 104.911 1996 138.369.77 118.150 142.521 1997 896.861.70 750.099 923.768 1998 346.753.01 283.046 357.156 1999 54.346.42 43.186 55.259 718 4.57 157 2000 329.948.59 254.376 325.490 14.357 5.03 2.854 2001 1.775.730.17 1.321.454 1.690.82 138.120 5.55 24.886 2002 115.473.17 82.602 105.694 13.243 6.11 2.167 2003 305.671.23 208.897 267.297 47.544 6.73 7.064 2004 501.251.00 335.262 416.193 100.096 7.40 13.526 2005 544.923.25 332.834 425.882 135.389 8.14 16.633 2006 245.539.25 139.983 179.117 73.788 8.93 8.263	1969		420	420			
1972       1,502.44       1,548       1,548         1973       3,179.17       3,275       3,275         1974       9,531.10       9,817       9,817         1975       10,340.49       10,651       10,651         1976       15,604.10       16,072       16,072         1977       21,992.06       22,652       22,652         1978       28,690.56       29,551       29,551         1979       20,807.61       21,432       21,432         1980       27,866.62       28,315       28,703         1981       37,127.37       37,457       38,241         1982       73,930.31       74,054       76,148         1983       110,634.34       110,079       113,953         1984       54,987.93       54,315       56,638         1985       80,176.71       78,577       82,582         1986       490,526.09       476,696       505,242         1987       357,737.25       344,703       368,469         1988       335,733.62       320,389       345,806         1999       150,350.39       140,536       154,861         1991       211,898.16       195,775	1970	1,973.58		2,033			
1973							
1974 9,531.10 9,817 9,817 10,755 10,340.49 10,651 10,651 10,651 15,664.10 16,072 16,072 1977 21,992.06 22,652 22,652 1978 28,690.56 29,551 29,551 29,551 1980 27,866.62 28,315 28,703 1981 37,127.37 37,457 38,241 1982 73,930.31 74,054 76,148 1983 110,634.34 110,079 113,953 1984 54,987.93 54,315 56,638 1985 80,176.71 78,577 82,582 1986 490,526.09 476,696 505,242 1987 357,737.25 344,703 368,469 1989 208,914.65 197,430 215,182 1990 150,350.39 140,536 154,861 1991 211,898.16 195,775 218,255 1992 418,751.71 381,929 431,314 1993 377,839.69 339,750 389,175 1994 453,111.29 47,019 54,705 1995 101,855.41 88,650 104,911 1996 138,369.77 118,150 142,521 1997 896,861.70 750,099 923,768 1998 346,753.01 283,046 357,156 1999 54,346.42 43,186 55,259 718 4.57 157 2000 329,948.59 254,376 325,490 14,357 5.03 2,854 2001 1,775,730.17 1,321,454 1,690,882 138,120 5.55 24,886 2001 1,775,730.17 1,321,454 1,690,882 138,120 5.55 24,886 2001 1,775,730.17 1,321,454 1,690,882 138,120 5.55 24,886 2001 1,775,730.17 1,321,454 1,690,882 138,120 5.55 24,886 2001 1,775,730.17 1,321,454 1,690,882 138,120 5.55 24,886 2001 1,775,730.17 1,321,454 1,690,882 138,120 5.55 24,886 2001 1,775,730.17 1,321,454 1,690,882 138,120 5.55 24,886 2001 1,775,730.17 1,321,454 1,690,882 138,120 5.55 24,886 2005 544,923.25 332,834 425,882 135,389 8.14 16,633 2006 245,539.25 139,983 179,117 73,788 8.93 8,263 2007 306,005.41 161,217 206,287 108,899 9.77 11,146							
1975       10,340.49       10,651       10,651       10,651       1976       15,604.10       16,072       16,072       16,072       16,072       1977       21,992.06       22,652       22,652       29,551       29,551       1978       28,690.56       29,551       29,551       29,551       1979       20,807.61       21,432       21,432       1432       1980       27,866.62       28,315       28,703       1981       37,127.37       37,457       38,241       1982       73,930.31       74,054       76,148       1983       110,634.34       110,079       113,953       1984       54,987.93       54,315       56,638       1985       80,176.71       78,577       82,582       1986       490,526.09       476,696       505,242       1987       357,737.25       344,703       368,469       1988       335,733.62       320,389       345,806       1899       208,914.65       197,430       215,182       1990       150,350.39       140,536       154,861       1991       211,898.16       195,775       218,255       1992       418,751.71       381,929       431,314       1992       138,369.77       118,150       142,521       1997       896,861.70       750,099       923,768       1998       346,753.01       283,046							
1976       15,604.10       16,072       16,072         1977       21,992.06       22,652       22,551         1979       20,807.61       21,432       21,432         1980       27,866.62       28,315       28,703         1981       37,127.37       37,457       38,241         1982       73,930.31       74,054       76,148         1983       110,634.34       110,079       113,953         1984       54,987.93       54,315       56,638         1985       80,176.71       78,577       82,582         1986       490,526.09       476,696       505,242         1987       357,337.25       344,703       368,469         1988       335,733.62       320,389       345,806         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
1977       21,992.06       22,652       22,652         1978       28,690.56       29,551       29,551         1979       20,807.61       21,432       21,432         1980       27,866.62       28,315       28,703         1981       37,127.37       37,457       38,241         1982       73,930.31       74,054       76,148         1983       110,634.34       110,079       113,953         1984       54,987.93       54,315       56,638         1985       80,176.71       78,577       82,582         1986       490,526.09       476,696       505,242         1987       357,737.25       344,703       368,469         1988       335,733.62       320,389       345,806         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1995       101,855.41       88,650       104,911         1996       138,369.77							
1978       28,690.56       29,551       29,551         1979       20,807.61       21,432       21,432         1980       27,866.62       28,315       28,703         1981       37,127.37       37,457       38,241         1982       73,930.31       74,054       76,148         1983       110,634.34       110,079       113,953         1985       80,176.71       78,577       82,582         1986       490,526.09       476,696       505,242         1987       357,737.25       344,703       368,469         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1999       54,346.42							
1979							
1980       27,866.62       28,315       28,703         1981       37,127.37       37,457       38,241         1982       73,930.31       74,054       76,148         1983       110,634.34       110,079       113,953         1984       54,987.93       54,315       56,638         1985       80,176.71       78,577       82,582         1986       490,526.09       476,696       505,242         1987       357,737.25       344,703       368,469         1988       335,733.62       320,389       345,806         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1999       54,346.42							
1981       37,127.37       37,457       38,241         1982       73,930.31       74,054       76,148         1983       110,634.34       110,079       113,953         1984       54,987.93       54,315       56,638         1985       80,176.71       78,577       82,582         1986       490,526.09       476,696       505,242         1987       357,737.25       344,703       368,469         1988       335,733.62       320,389       345,806         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1982       73,930.31       74,054       76,148         1983       110,634.34       110,079       113,953         1984       54,987.93       54,315       56,638         1985       80,176.71       78,577       82,582         1986       490,526.09       476,696       505,242         1987       357,737.25       344,703       368,469         1988       335,733.62       320,389       345,806         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157							
1983							
1984       54,987.93       54,315       56,638         1985       80,176.71       78,577       82,582         1986       490,526.09       476,696       505,242         1987       357,737.25       344,703       368,469         1988       335,733.62       320,389       345,806         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001							
1986       490,526.09       476,696       505,242         1987       357,737.25       344,703       368,469         1988       335,733.62       320,389       345,806         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1987       357,737.25       344,703       368,469         1988       335,733.62       320,389       345,806         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167	1985	80,176.71	78,577	82,582			
1988       335,733.62       320,389       345,806         1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544	1986	490,526.09	476,696	505,242			
1989       208,914.65       197,430       215,182         1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2005       544,923.25	1987	357,737.25	344,703	368,469			
1990       150,350.39       140,536       154,861         1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526							
1991       211,898.16       195,775       218,255         1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882							
1992       418,751.71       381,929       431,314         1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       2							
1993       377,839.69       339,750       389,175         1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
1994       53,111.29       47,019       54,705         1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217							
1995       101,855.41       88,650       104,911         1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217       206,287       108,899       9.77       11,146							
1996       138,369.77       118,150       142,521         1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217       206,287       108,899       9.77       11,146							
1997       896,861.70       750,099       923,768         1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217       206,287       108,899       9.77       11,146							
1998       346,753.01       283,046       357,156         1999       54,346.42       43,186       55,259       718       4.57       157         2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217       206,287       108,899       9.77       11,146		<u>-</u>					
1999     54,346.42     43,186     55,259     718     4.57     157       2000     329,948.59     254,376     325,490     14,357     5.03     2,854       2001     1,775,730.17     1,321,454     1,690,882     138,120     5.55     24,886       2002     115,473.17     82,602     105,694     13,243     6.11     2,167       2003     305,671.23     208,897     267,297     47,544     6.73     7,064       2004     501,251.00     325,262     416,193     100,096     7.40     13,526       2005     544,923.25     332,834     425,882     135,389     8.14     16,633       2006     245,539.25     139,983     179,117     73,788     8.93     8,263       2007     306,005.41     161,217     206,287     108,899     9.77     11,146							
2000       329,948.59       254,376       325,490       14,357       5.03       2,854         2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217       206,287       108,899       9.77       11,146					718	4.57	157
2001       1,775,730.17       1,321,454       1,690,882       138,120       5.55       24,886         2002       115,473.17       82,602       105,694       13,243       6.11       2,167         2003       305,671.23       208,897       267,297       47,544       6.73       7,064         2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217       206,287       108,899       9.77       11,146							
2002     115,473.17     82,602     105,694     13,243     6.11     2,167       2003     305,671.23     208,897     267,297     47,544     6.73     7,064       2004     501,251.00     325,262     416,193     100,096     7.40     13,526       2005     544,923.25     332,834     425,882     135,389     8.14     16,633       2006     245,539.25     139,983     179,117     73,788     8.93     8,263       2007     306,005.41     161,217     206,287     108,899     9.77     11,146					138,120	5.55	
2004       501,251.00       325,262       416,193       100,096       7.40       13,526         2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217       206,287       108,899       9.77       11,146	2002	115,473.17		105,694	13,243	6.11	2,167
2005       544,923.25       332,834       425,882       135,389       8.14       16,633         2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217       206,287       108,899       9.77       11,146	2003	305,671.23	208,897	267,297	47,544	6.73	7,064
2006       245,539.25       139,983       179,117       73,788       8.93       8,263         2007       306,005.41       161,217       206,287       108,899       9.77       11,146	2004	501,251.00	325,262	416,193	100,096	7.40	13,526
2007 306,005.41 161,217 206,287 108,899 9.77 11,146						8.14	
2008 488,304.96 234,880 300,544 202,410 10.66 18,988							
	2008	488,304.96	234,880	300,544	202,410	10.66	18,988



#### ACCOUNT 370 METERS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	OR CURVE IOWA					
2009	353,680.99	153,367	196,243	168,048	11.58	14,512
2010	515,751.03	198,146	253,540	277,684	12.54	22,144
2011	733,114.80	244,655	313,051	442,057	13.52	32,697
2012	608,915.18	172,162	220,292	406,891	14.51	28,042
2013	558,596.90	129,455	165,646	409,709	15.50	26,433
2014	935,515.81	168,627	215,769	747,812	16.50	45,322
2015	988,259.02	127,238	162,808	855,099	17.50	48,863
2016	723,370.82	55,880	71,502	673,570	18.50	36,409
2017	881,954.50	22,710	29,059	879,354	19.50	45,095
	15,558,703.52	8,566,394	10,330,679	5,694,786		405,201

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 14.1 2.60



#### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVOR	CURVE IOWA	25-L0				
NET SALV	AGE PERCENT	-45				
1062	F01 00	F00	C1.2	115	7.56	1.5
1963 1964	501.99 778.70	508 780	613 941	115 188	7.56 7.74	15 24
1965	733.68	726	876	188	7.74	24
1966	646.32	633	763	174	8.11	21
1967	513.02	497	599	145	8.30	17
1968	552.17	528	637	164	8.50	19
1969	784.82	742	895	243	8.69	28
1970	1,461.40	1,366	1,647	472	8.89	53
1971	2,814.78	2,597	3,132	949	9.09	104
1972	5,592.76	5,093	6,142	1,968	9.30	212
1973	7,046.85	6,335	7,640	2,578	9.50	271
1974	4,249.82	3,766	4,542	1,620	9.72	167
1975	4,005.85	3,501	4,222	1,586	9.93	160
1976	4,271.96	3,679	4,437	1,757	10.15	173
1977	3,812.76	3,235	3,901	1,628	10.37	157
1978	4,361.70	3,643	4,393	1,931	10.60	182
1979	3,487.63	2,866	3,456	1,601	10.83	148
1980	1,876.86	1,517	1,829	892	11.06	81
1981	1,216.01	966	1,165	598	11.30	53
1982	3,781.60	2,952	3,560	1,923	11.54	167
1983	1,859.15	1,426	1,720	976	11.78	83
1984	2,308.72	1,735	2,092	1,256	12.04	104
1985 1986	2,907.22	2,143	2,584	1,631	12.29 12.55	133 222
1987	4,818.75 5,505.90	3,480 3,893	4,197 4,695	2,790 3,289	12.55	257
1988	5,536.43	3,828	4,616	3,412	13.08	261
1989	5,672.26	3,829	4,618	3,412	13.36	270
1990	6,921.49	4,560	5,499	4,537	13.64	333
1991	6,890.31	4,428	5,340	4,651	13.92	334
1992	8,649.97	5,413	6,528	6,014	14.21	423
1993	19,511.73	11,871	14,315	13,977	14.51	963
1994	9,162.02	5,415	6,530	6,755	14.81	456
1995	2,400.51	1,376	1,659	1,822	15.12	121
1996	3,726.62	2,068	2,494	2,910	15.43	189
1997	6,964.47	3,736	4,506	5,592	15.75	355
1998	1,591.37	823	992	1,315	16.08	82
1999	837.17	417	503	711	16.41	43
2000	1,226.96	587	708	1,071	16.75	64
2001	2,567.67	1,177	1,419	2,304	17.10	135
2002	4,206.37	1,842	2,222	3,877	17.45	222
2003	234.21	98	118	222	17.81	12



#### ACCOUNT 371 INSTALLATIONS ON CUSTOMER PREMISES

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
2004	1,831.05	724	873	1,782	18.18	98
2005	1,919.99	717	865	1,919	18.56	103
2006	574.96	202	244	590	18.94	31
2008	1,482.58	452	545	1,605	19.74	81
2009	656.77	184	222	730	20.16	36
2010	3,784.68	966	1,164	4,324	20.60	210
2012	360.38	72	87	436	21.55	20
2013	1,020.97	174	210	1,270	22.06	58
2017	1,793.01	44	53	2,547	24.58	104
	169,414.37	113,610	137,008	108,643		7,879

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 13.8 4.65



#### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA		, ,	, ,	, ,	, ,
NET SALV	AGE PERCENT	-20				
1967	0.08					
1968	82.85	98	99			
1969	161.79	188	194			
1970	315.67	360	379			
1971	377.40	422	453			
1972	793.38	871	952			
1973	860.75	927	1,033			
1974	1,769.85	1,869	2,124			
1975 1976	1,735.61 1,835.43	1,799	2,083			
1977	2,280.94	1,866 2,275	2,203 2,737			
1978	3,369.10	3,296	3,981	62	4.62	13
1979	5,362.87	5,146	6,215	220	5.01	44
1980	4,610.62	4,335	5,236	297	5.41	55
1981	5,513.27	5,078	6,133	483	5.81	83
1982	15,812.70	14,262	17,225	1,750	6.21	282
1983	14,141.23	12,483	15,076	1,893	6.61	286
1984	17,869.89	15,422	18,626	2,818	7.02	401
1985	25,136.01	21,187	25,588	4,575	7.44	615
1986	33,444.10	27,515	33,231	6,902	7.86	878
1987	10,036.71	8,050	9,722	2,322	8.29	280
1988	9,749.44	7,614	9,196	2,503	8.73	287
1989	6,614.91	5,026	6,070	1,868	9.17	204
1990	15,231.19	11,244	13,580	4,697	9.62	488
1991	13,305.69	9,529	11,508	4,459	10.08	442
1992	19,779.44	13,710	16,558	7,177	10.56	680
1993	29,744.29	19,945	24,088	11,605	11.03	1,052
1994	39,661.37	25,662	30,993	16,601	11.52	1,441
1995	3,789.69	2,361	2,851	1,697	12.02	141
1996	13,928.71	8,337	10,069	6,645	12.53	530
1997	42,952.79	24,638	29,756	21,787	13.05	1,670
1998	11,309.33	6,205	7,494	6,077	13.57	448
1999	20,709.09	10,825	13,074	11,777	14.11	835
2000	12,894.74	6,406	7,737	7,737	14.65	528
2001	6,512.29	3,063	3,699	4,116	15.20	271
2002	10,644.82	4,721	5,702	7,072	15.76	449
2003	37,304.74	15,543	18,771	25,995	16.32	1,593
2004	25,113.62	9,764	11,792	18,344	16.90	1,085
2005	18,062.21	6,528	7,884	13,791	17.47	789
2006	13,570.27	4,521	5,460	10,824	18.06	599
2007	27,435.66	8,362	10,099	22,824	18.65	1,224



#### ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR	CURVE IOWA	25-R0.5				
NET SALV	AGE PERCENT	-20				
2008	18,861.30	5,215	6,298	16,336	19.24	849
2008	14,120.70	3,504	4,232	12,713	19.24	641
	•	•	•	•		
2010	18,131.34	3,977	4,803	16,955	20.43	830
2011	4,594.00	875	1,057	4,456	21.03	212
2012	25,318.63	4,096	4,947	25,435	21.63	1,176
2013	17,859.56	2,366	2,857	18,574	22.24	835
2014	32,938.47	3,415	4,124	35,402	22.84	1,550
2015	17,032.84	1,259	1,521	18,918	23.46	806
2016	33,553.26	1,498	1,809	38,455	24.07	1,598
2017	14,967.35	223	269	17,692	24.69	717
	721,201.99	357,881	431,588	433,854		26,907

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 16.1 3.73



#### ACCOUNT 389.2 LAND RIGHTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA					
1959	30.88	24	24	7	12.83	1
1963	342.54	257	259	84	14.93	6
1966	98.66	71	72	27	16.66	2
1967	1,415.92	1,008	1,017	399	17.27	23
1972	675.80	445	449	227	20.51	11
1987	2,303.84	1,081	1,091	1,213	31.86	38
	4,867.64	2,886	2,912	1,956		81

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 24.1 1.66



#### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA  /AGE PERCENT					
1937	1,095.47	1,101	1,111	94	5.19	18
1944	4,085.40	3,963	3,998	496	7.09	70
1947	16,150.62	15,397	15,534	2,232	8.00	279
1951	14,021.68	13,013	13,129	2,295	9.38	245
1954	22,506.85	20,400	20,581	4,177	10.56	396
1955	8,032.89	7,219	7,283	1,553	10.98	141
1958	148.05	129	130	33	12.34	3
1960	62,178.86	53,201	53,674	14,723	13.33	1,105
1961	3,847.47	3,255	3,284	948	13.85	68
1963	22,137.51	18,292	18,455	5,896	14.93	395
1964 1966	246.86	201	203	69	15.49	4
1966	12,717.23 5,342.40	10,105 4,185	10,195 4,222	3,794 1,655	16.66 17.27	228 96
1968	106,839.71	82,482	83,216	34,308	17.89	1,918
1900	16,215.15	12,135	12,243	5,594	19.18	292
1971	463.01	341	344	165	19.18	8
1971	57,166.26	41,388	41,756	21,127	20.51	1,030
1973	540.86	385	388	207	21.19	10
1974	57,643.34	40,275	40,633	22,775	21.89	1,040
1975	15,605.70	10,700	10,795	6,371	22.60	282
1976	16,482.91	11,084	11,183	6,948	23.32	298
1977	347,137.56	228,794	230,829	151,022	24.05	6,280
1978	106,112.77	68,497	69,106	47,618	24.79	1,921
1979	123,122.46	77,807	78,499	56,936	25.53	2,230
1980	6,470.46	3,999	4,035	3,083	26.29	117
1981	665,677.48	402,003	405,579	326,666	27.06	12,072
1982	20,543.98	12,113	12,221	10,377	27.84	373
1983	2,959.98	1,702	1,717	1,539	28.63	54
1984	627,648.29	351,883	355,013	335,400	29.42	11,400
1985	294,266.02	160,607	162,036	161,657	30.23	5,348
1986	3,469,876.17	1,842,286	1,858,673	1,958,191	31.04	63,086
1987	61,547.77	31,752	32,034	35,669	31.86	1,120
1988	166,565.79	83,397	84,139	99,083	32.69	3,031
1989	280,358.49	136,054	137,264	171,130	33.53	5,104
1990	226,741.30	106,500	107,447	141,968	34.38	4,129
1991	271,087.37	123,104	124,199	173,997	35.23	4,939
1992	1,131,706.60	496,084	500,497	744,380	36.09	20,626
1993	48,969.21	20,685	20,869	32,997	36.96	893
1994	37,454.29	15,216	15,351	25,849	37.84	683
1995	8,499.93	3,316	3,346	6,004	38.72	155
1996	22,589.88	8,444	8,519	16,330	39.61	412



#### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

SURVIVOR CURVE IOWA 60-R3 NET SALVAGE PERCENT10  1997	
1998       321,135.90       109,447       110,421       242,828       41.41         1999       73,108.04       23,697       23,908       56,511       42.32         2001       25,283.43       7,342       7,407       20,405       44.16         2002       95,643.56       26,162       26,395       78,813       45.08         2003       169,965.03       43,562       43,949       143,013       46.02         2004       105,359.57       25,188       25,412       90,484       46.96         2005       211,750.03       46,974       47,392       185,533       47.90         2006       126,802.16       25,920       26,151       113,331       48.85         2007       513,606.16       96,044       96,898       468,069       49.80         2008       269,629.29       45,726       46,133       250,459       50.75         2009       1,134,191.61       172,382       173,915       1,073,696       51.71         2010       73,275.92       9,834       9,921       70,683       52.68         2011       324,893.61       37,883       38,220       319,163       53.64         2012       86,590.85 </td <td></td>	
2002       95,643.56       26,162       26,395       78,813       45.08         2003       169,965.03       43,562       43,949       143,013       46.02         2004       105,359.57       25,188       25,412       90,484       46.96         2005       211,750.03       46,974       47,392       185,533       47.90         2006       126,802.16       25,920       26,151       113,331       48.85         2007       513,606.16       96,044       96,898       468,069       49.80         2008       269,629.29       45,726       46,133       250,459       50.75         2009       1,134,191.61       172,382       173,915       1,073,696       51.71         2010       73,275.92       9,834       9,921       70,683       52.68         2011       324,893.61       37,883       38,220       319,163       53.64         2012       86,590.85       8,541       8,617       86,633       54.62         2013       192,260.89       15,544       15,682       195,805       55.59	109,447 110,421 242,828 41.41 5,864
2004       105,359.57       25,188       25,412       90,484       46.96         2005       211,750.03       46,974       47,392       185,533       47.90         2006       126,802.16       25,920       26,151       113,331       48.85         2007       513,606.16       96,044       96,898       468,069       49.80         2008       269,629.29       45,726       46,133       250,459       50.75         2009       1,134,191.61       172,382       173,915       1,073,696       51.71         2010       73,275.92       9,834       9,921       70,683       52.68         2011       324,893.61       37,883       38,220       319,163       53.64         2012       86,590.85       8,541       8,617       86,633       54.62         2013       192,260.89       15,544       15,682       195,805       55.59	26,162 26,395 78,813 45.08 1,748
2006       126,802.16       25,920       26,151       113,331       48.85         2007       513,606.16       96,044       96,898       468,069       49.80         2008       269,629.29       45,726       46,133       250,459       50.75         2009       1,134,191.61       172,382       173,915       1,073,696       51.71         2010       73,275.92       9,834       9,921       70,683       52.68         2011       324,893.61       37,883       38,220       319,163       53.64         2012       86,590.85       8,541       8,617       86,633       54.62         2013       192,260.89       15,544       15,682       195,805       55.59	25,188 25,412 90,484 46.96 1,927
2008       269,629.29       45,726       46,133       250,459       50.75         2009       1,134,191.61       172,382       173,915       1,073,696       51.71         2010       73,275.92       9,834       9,921       70,683       52.68         2011       324,893.61       37,883       38,220       319,163       53.64         2012       86,590.85       8,541       8,617       86,633       54.62         2013       192,260.89       15,544       15,682       195,805       55.59	25,920 26,151 113,331 48.85 2,320
2011       324,893.61       37,883       38,220       319,163       53.64         2012       86,590.85       8,541       8,617       86,633       54.62         2013       192,260.89       15,544       15,682       195,805       55.59	45,726       46,133       250,459       50.75       4,935         172,382       173,915       1,073,696       51.71       20,764
2013 192,260.89 15,544 15,682 195,805 55.59	37,883 38,220 319,163 53.64 5,950
2014 308,351.33 19,446 19,619 319,567 56.56	
2015       203,465.42       9,176       9,258       214,554       57.54         2016       107,334.44       2,913       2,939       115,129       58.52         2017       286,528.60       2,575       2,598       312,583       59.51	9,1769,258214,55457.543,7292,9132,939115,12958.521,967
13,108,032.59 5,293,317 5,340,401 9,078,435	

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 38.0 1.82



#### ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	13-S1.5				
	LVAGE PERCENT					
1990	4,412.21	3,971	3,971			
1997	34,061.33	27,330	27,574	3,081	1.41	2,185
1998	87,942.67	68,981	69,597	9,551	1.67	5,719
1999	17,632.43	13,501	13,621	2,248	1.94	1,159
2000	96,230.72	71,818	72,459	14,149	2.22	6,373
2001	138,591.42	100,553	101,450	23,282	2.52	9,239
2002	35,323.78	24,871	25,093	6,698	2.83	2,367
2003	172,381.99	117,312	118,359	36,785	3.17	11,604
2004	137,026.52	89,742	90,543	32,781	3.54	9,260
2005	219,729.80	137,821	139,051	58,706	3.94	14,900
2006	73,779.37	44,081	44,474	21,927	4.37	5,018
2007	92,895.26	52,478	52,946	30,660	4.84	6,335
2008	176,114.78	93,151	93,983	64,520	5.36	12,037
2009	118,011.05	57,762	58,278	47,932	5.93	8,083
2010	63,579.21	28,390	28,643	28,578	6.55	4,363
2011	211,212.52	84,226	84,978	105,113	7.24	14,518
2012	75,437.68	26,217	26,451	41,443	7.98	5,193
2013	71,129.97	20,781	20,967	43,050	8.78	4,903
2014	136,871.27	31,743	32,026	91,158	9.65	9,446
2015	410,839.22	69,399	70,018	299,737	10.56	28,384
2016	100,061.74	10,322	10,414	79,642	11.51	6,919
2017	292,500.24	10,125	10,216	253,034	12.50	20,243
	2,765,765.18	1,184,575	1,195,112	1,294,077		188,248

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 6.9 6.81



#### ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
52,455.22	47,210	47,210			
51,820.62	44,203	44,611	2,028	0.94	2,028
61,618.35	51,698	52,175	3,282	1.22	2,690
14,223.88	10,170	10,264	2,537	3.70	686
90,661.79	54,442	54,944	26,652	5.99	4,449
440,883.07	245,132	247,393	149,402	6.88	21,715
202,734.80	102,888	103,837	78,624	7.85	10,016
606,161.37	291,867	294,559	250,986	8.37	29,986
358,393.43	162,709	164,210	158,344	8.92	17,752
80,553.30	34,195	34,510	37,988	9.51	3,995
175,482.95	69,141	69,779	88,156	10.12	8,711
140,479.14	50,784	51,252	75,179	10.77	6,980
96,506.16	31,557	31,848	55,008	11.46	4,800
7,240.57	2,103	2,122	4,395	12.19	361
52,797.08	13,305	13,428	34,089	12.96	2,630
91,472.12	19,300	19,478	62,847	13.78	4,561
165,491.78	27,720	27,976	120,967	14.65	8,257
•	· · · · · · · · · · · · · · · · · · ·	34,008	214,568	15.56	13,790
•	6,956		77,586		4,696
1,044,988.23	26,127	26,368	914,121	17.50	52,235
4,104,165.91	1,325,204	1,336,992	2,356,757		200,338
	COST (2)  OR CURVE IOWA LVAGE PERCENT  52,455.22 51,820.62 61,618.35 14,223.88 90,661.79 440,883.07 202,734.80 606,161.37 358,393.43 80,553.30 175,482.95 140,479.14 96,506.16 7,240.57 52,797.08 91,472.12 165,491.78 276,195.40 94,006.65 1,044,988.23	COST (3)  OR CURVE IOWA 18-S1 LVAGE PERCENT +10  52,455.22 47,210 51,820.62 44,203 61,618.35 51,698 14,223.88 10,170 90,661.79 54,442 440,883.07 245,132 202,734.80 102,888 606,161.37 291,867 358,393.43 162,709 80,553.30 34,195 175,482.95 69,141 140,479.14 50,784 96,506.16 31,557 7,240.57 2,103 52,797.08 13,305 91,472.12 19,300 165,491.78 27,720 276,195.40 33,697 94,006.65 6,956 1,044,988.23 26,127	COST (3) (4)  OR CURVE IOWA 18-S1 LVAGE PERCENT +10  52,455.22 47,210 47,210 51,820.62 44,203 44,611 61,618.35 51,698 52,175 14,223.88 10,170 10,264 90,661.79 54,442 54,944 440,883.07 245,132 247,393 202,734.80 102,888 103,837 606,161.37 291,867 294,559 358,393.43 162,709 164,210 80,553.30 34,195 34,510 175,482.95 69,141 69,779 140,479.14 50,784 51,252 96,506.16 31,557 31,848 7,240.57 2,103 2,122 52,797.08 13,305 13,428 91,472.12 19,300 19,478 165,491.78 27,720 27,976 276,195.40 33,697 34,008 94,006.65 6,956 7,020 1,044,988.23 26,127 26,368	COST (2) (3) (4) (5)  OR CURVE. IOWA 18-S1 LVAGE PERCENT +10  52,455.22 47,210 47,210 51,820.62 44,203 44,611 2,028 61,618.35 51,698 52,175 3,282 14,223.88 10,170 10,264 2,537 90,661.79 54,442 54,944 26,652 440,883.07 245,132 247,393 149,402 202,734.80 102,888 103,837 78,624 606,161.37 291,867 294,559 250,986 358,393.43 162,709 164,210 158,344 80,553.30 34,195 34,510 37,988 175,482.95 69,141 69,779 88,156 140,479.14 50,784 51,252 75,179 96,506.16 31,557 31,848 55,008 7,240.57 2,103 2,122 4,395 52,797.08 13,305 13,428 34,089 91,472.12 19,300 19,478 62,847 165,491.78 27,720 27,976 120,967 276,195.40 33,697 34,008 214,568 94,006.65 6,956 7,020 77,586 1,044,988.23 26,127 26,368 914,121	COST (3) (4) (5) (6)  OR CURVE. IOWA 18-S1 LVAGE PERCENT. +10  52,455.22 47,210 47,210 51,820.62 44,203 44,611 2,028 0.94 61,618.35 51,698 52,175 3,282 1.22 14,223.88 10,170 10,264 2,537 3.70 90,661.79 54,442 54,944 26,652 5.99 440,883.07 245,132 247,393 149,402 6.88 202,734.80 102,888 103,837 78,624 7.85 606,161.37 291,867 294,559 250,986 8.37 358,393.43 162,709 164,210 158,344 8.92 80,553.30 34,195 34,510 37,988 9.51 175,482.95 69,141 69,779 88,156 10.12 140,479.14 50,784 51,252 75,179 10.77 96,506.16 31,557 31,848 55,008 11.46 7,240.57 2,103 2,122 4,395 12.19 52,797.08 13,305 13,428 34,089 12.96 91,472.12 19,300 19,478 62,847 13.78 165,491.78 27,720 27,976 120,967 14.65 276,195.40 33,697 34,008 214,568 15.56 94,006.65 6,956 7,020 77,586 16.52 1,044,988.23 26,127 26,368 914,121 17.50

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 11.8 4.88



#### ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
QTIDWTWOD	CURVE IOWA	35_C1				
	AGE PERCENT					
1960	2,733.91	2,094	2,113	211	3.46	61
1970	13,139.75	9,066	9,147	2,022	6.59	307
1971	1,546.46	1,055	1,064	250	6.92	36
1975	12,760.81	8,265	8,339	2,508	8.33	301
1976	20,212.88	12,915	13,030	4,151	8.69	478
1977	17,430.44	10,981	11,079	3,737	9.06	412
1978	6,764.12	4,199	4,236	1,514	9.44	160
1979	16,639.18	10,171	10,261	3,882	9.83	395
1980	24,460.36	14,720	14,851	5,940	10.22	581
1982	21,193.23	12,337	12,447	5,567	11.03	505
1983	19,587.07	11,202	11,302	5,347	11.45	467
1984	8,218.11	4,616	4,657	2,328	11.87	196
1985	38,660.18	21,304	21,493	11,368	12.31	923
1987	5,374.39	2,844	2,869	1,699	13.21	129
1988	20,374.28	10,554	10,648	6,670	13.67	488
1990	9,530.55	4,712	4,754	3,347	14.64	229
1991	18,586.56	8,965	9,045	6,754	15.14	446
1992	17,294.91	8,127	8,199	6,502	15.65	415
1993	10,041.67	4,590	4,631	3,904	16.18	241
1994	30,937.00	13,734	13,856	12,440	16.72	744
1995	6,989.57	3,008	3,035	2,906	17.28	168
1997	21,100.40	8,491	8,566	9,369	18.43	508
2000	29,415.51	10,501	10,594	14,409	20.30	710
2002	866.25	281	283	453	21.64	21
2003	14,980.40	4,606	4,647	8,086	22.34	362
2004	36,642.52	10,625	10,720	20,426	23.06	886
2005	15,488.10	4,209	4,246	8,919	23.81	375
2006	307,486.91	77,886	78,579	182,785	24.57	7,439
2007	34,398.31	8,053	8,125	21,114	25.36	833
2008	21,015.20	4,501	4,541	13,322	26.18	509
2009	5,062.08	982	991	3,312	27.01	123
2011	161,685.84	24,503	24,721	112,712	28.76	3,919
2013	27,898.79	2,981	3,007	20,707	30.60	677
2015	59,541.90	3,586	3,618	46,993	32.52	1,445
2016	6,283.25	227	229	5,112	33.51	153
2017	195,212.52	2,371	2,392	163,539	34.50	4,740
:	1,259,553.41	343,262	346,315	724,305		30,382

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 23.8 2.41



#### ACCOUNT 396.03 LIGHT POWER OPERATED EQUIPMENT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA /AGE PERCENT					
1997	85,663.84	77,097	77,097			
2002	72,716.32	62,027	62,618	2,827	0.47	2,827
2007	91,000.03	66,066	66,696	15,204	1.74	8,738
2008	87,095.61	60,183	60,757	17,629	2.09	8,435
2011	867,218.97	478,702	483,264	297,233	3.48	85,412
2012	132,627.80	64,987	65,606	53,759	4.10	13,112
2014	575,221.18	193,847	195,695	322,004	5.63	57,194
2015	555,250.76	136,590	137,892	361,834	6.54	55,326
2017	314,322.46	15,717	15,867	267,023	8.50	31,414
	2,781,116.97	1,155,216	1,165,492	1,337,513		262,458

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 5.1 9.44



#### ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

77E 7 D	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	OR CURVE IOWA	18-L1				
NET SAI	LVAGE PERCENT	+10				
1973	34,406.83	27,113	27,354	3,612	2.24	1,612
1979	26,508.21	19,404	19,577	4,280	3.36	1,274
1985	41,678.45	27,904	28,152	9,359	4.61	2,030
1986	37,079.75	24,398	24,615	8,757	4.84	1,809
1987	143,944.69	93,060	93,888	35,662	5.07	7,034
1991	77,061.83	46,122	46,532	22,824	6.03	3,785
1993	244,317.41	139,871	141,115	78,771	6.55	12,026
1994	91,787.27	51,309	51,765	30,844	6.82	4,523
1998	210,907.94	105,770	106,711	83,106	7.97	10,427
1999	171,244.77	83,311	84,052	70,068	8.27	8,473
2000	375,473.20	176,661	178,232	159,694	8.59	18,591
2001	112,287.66	51,035	51,489	49,570	8.91	5,563
2002	709,103.16	310,232	312,991	325,202	9.25	35,157
2004	47,670.85	19,211	19,382	23,522	9.94	2,366
2005	662,733.30	254,820	257,087	339,373	10.31	32,917
2006	820,597.98	300,341	303,012	435,526	10.68	40,780
2007	702,353.18	243,365	245,530	386,588	11.07	34,922
2008	364,671.33	118,882	119,939	208,265	11.48	18,142
2009	29,770.58	9,050	9,131	17,663	11.92	1,482
2011	802,311.79	202,587	204,389	517,692	12.95	39,976
2012	222,038.13	49,293	49,731	150,103	13.56	11,070
2013	527,021.16	99,341	100,225	374,094	14.23	26,289
2014	328,959.34	49,836	50,279	245,784	14.97	16,418
2015	339,217.87	37,823	38,160	267,136	15.77	16,940
2017	690,033.30	16,215	16,359	604,671	17.53	34,493
	7,813,179.98	2,556,954	2,579,697	4,452,165		388,099

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 11.5 4.97



### ARIZONA, COLORADO AND MONTANA PROPERTY



#### ACCOUNT 390 STRUCTURES AND IMPROVEMENTS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVO	R CURVE IOWA	45-R2				
NET SAL	VAGE PERCENT	-5				
1971	15,641.78	12,135	14,804	1,620	11.75	138
1982	153,312.17	98,161	119,747	41,231	17.56	2,348
1984	28,811.61	17,627	21,503	8,749	18.78	466
1989	10,985.60	5,885	7,179	4,356	22.04	198
1990	18,330.21	9,525	11,620	7,627	22.73	336
1994	141,430.93	64,120	78,220	70,282	25.57	2,749
1995	5,020.82	2,191	2,673	2,599	26.30	99
2002	929.79	288	351	625	31.71	20
2006	4,218.79	986	1,203	3,227	34.98	92
2013	6,719.14	630	768	6,287	40.98	153
	385,400.84	211,548	258,068	146,603		6,599

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 22.2 1.71



#### ACCOUNT 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIVO	R CURVE IOWA	17-R2.5				
NET SAL	VAGE PERCENT	+5				
1981	3,690.00	3,506	3,506			
1982	7,628.00	7,247	7,247			
1983	5,460.00	5,187	5,187			
1984	5,109.00	4,854	4,854			
1985	16,183.00	15,374	15,374			
1986	30,845.00	29,199	29,303			
1988	6,145.00	5,652	5,838			
1989	5,985.00	5,415	5,686			
1991	7,432.00	6,516	7,060			
1992	15,247.08	13,190	14,485			
1993	6,751.59	5,758	6,414			
1997	3,156.09	2,513	2,998			
1999	85,154.75	64,575	80,897			
2000	9,544.64	7,019	9,067			
2001	7,138.75	5,066	6,676	106	4.30	25
2002	13,085.09	8,914	11,748	683	4.81	142
2003	35,710.69	23,209	30,587	3,338	5.37	622
2005	10,313.01	5,988	7,892	1,905	6.61	288
2006	51,580.38	27,960	36,849	12,152	7.30	1,665
2007	71,492.45	35,916	47,334	20,584	8.01	2,570
2008	89,731.86	41,319	54,454	30,791	8.76	3,515
2009	9,883.65	4,126	5,438	3,951	9.53	415
2010	7,969.07	2,970	3,914	3,657	10.33	354
2011	8,552.93	2,791	3,678	4,447	11.16	398
2012	18,267.73	5,094	6,713	10,641	12.01	886
2013	14,733.03	3,392	4,470	9,526	12.88	740
2014	6,023.80	1,087	1,433	4,290	13.77	312
2015	17,656.53	2,299	3,030	13,744	14.67	937
2017	46,339.72	1,217	1,604	42,419	16.53	2,566
	616,809.84	347,353	423,736	162,233		15,435

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 10.5 2.50



#### ACCOUNT 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	CURVE IOWA AGE PERCENT					
1978	1,977.00	1,680	1,680			
1987	12,699.00	10,061	10,794			
1988	2,470.00	1,925	2,100			
1989	9,302.00	7,129	7,907			
1991	39,843.00	29,482	33,867			
1993	10,482.79	7,466	8,910			
2000	40,739.47	23,693	30,402	4,227	6.00	704
2001	9,428.97	5,256	6,744	1,271	6.54	194
2002	33,646.63	17,897	22,965	5,635	7.11	793
2005	517.39	232	298	142	8.99	16
2006	4,994.24	2,085	2,675	1,570	9.67	162
2008	10,164.54	3,588	4,604	4,036	11.11	363
2010	55,994.48	15,957	20,476	27,119	12.63	2,147
2013	59,007.84	10,401	13,347	36,810	15.06	2,444
2015	28,113.68	2,792	3,583	20,314	16.78	1,211
	319,381.03	139,644	170,352	101,122		8,034

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 12.6 2.52



#### ACCOUNT 392.09 TRANSPORTATION EQUIPMENT - TRAILERS

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	R CURVE IOWA /AGE PERCENT					
1990 2008	6,977.00 1,583.46	5,236 557	6,388 679	589 904	6.24 16.20	94 56
	8,560.46	5,793	7,067	1,493		150

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 10.0 1.75



#### ACCOUNT 396.07 HEAVY POWER OPERATED EQUIPMENT

# CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SURVIV	OR CURVE IOWA	25-R2.5				
	LVAGE PERCENT					
1973	999.00	881	899			
1978	103,079.00	86,092	92,771			
1980	16,463.00	13,489	14,817			
1981	82,178.00	66,683	73,960			
1982	83,905.00	67,389	75,514			
1984	7,807.00	6,138	7,026			
1985	30,370.00	23,605	27,333			
1986	73,606.00	56,521	66,245			
1987	137,162.00	103,941	123,446			
1990	4,251.00	3,071	3,826			
1991	22,418.00	15,883	20,176			
1993	56,659.78	38,327	48,826	2,168	6.21	349
1994	10,290.09	6,779	8,636	625	6.70	93
1999	19,471.73	10,760	13,708	3,817	9.65	396
2000	191,724.14	101,322	129,078	43,474	10.32	4,213
2001	339,089.31	170,657	217,406	87,774	11.02	7,965
2002	31,596.91	15,083	19,215	9,222	11.74	786
2003	7,862.10	3,544	4,515	2,561	12.48	205
2005	131,524.16	52,036	66,290	52,082	14.01	3,717
2006	72,955.40	26,763	34,094	31,566	14.81	2,131
2007	22,276.68	7,522	9,583	10,466	15.62	670
2008	418,828.34	128,765	164,038	212,908	16.46	12,935
2009	53,121.69	14,725	18,759	29,051	17.30	1,679
2010	51,873.10	12,773	16,272	30,414	18.16	1,675
2011	58,178.41	12,483	15,903	36,458	19.04	1,915
2012	4,835.20	883	1,125	3,227	19.93	162
2013	290,871.02	43,666	55,627	206,157	20.83	9,897
2014	18,834.99	2,210	2,815	14,136	21.74	650
2015	47,993.96	4,043	5,151	38,044	22.66	1,679
	2,390,225.01	1,096,034	1,337,054	814,149		51,117

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 15.9 2.14



### **APPENDIX**



SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)		4 4 4 4 4 6 6 6 7 6 6 7		0.00 0.00 0.00 0.00 0.00			5.0 4.9 6.4 7.4 7.4	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
AUNUAL ACCRUAL RATE (9)		13.54 12.93 13.71 12.24 12.86 13.38		7.24 8.26 9.08 6.81	8.07		5.42 7.11 9.39 5.50 6.30 7.07	4.86 11.02 9.00 8.45 9.88	7.73 8.52 8.43 5.72 6.00	8.65
CALCULATED ANNUAL ACCRUAL ACCRI AMOUNT RAT (8) (9)		185.271 8,529,325 45,604,944 8,604,20 8,377,524 494,291 71,831,775		4,733,812 10,512,862 3,735,660 637,218 40,962	19,660,514		624,952 2,246,263 1,170,271 381,342 14,816 4,437,644	562,970 8,052,814 1,148,792 855,000 10,619,576	1,316,835 2,915,182 384,583 170,443 55,222 4,842,265	19,899,485
FUTURE ACCRUALS (7)		802,222 36,735,152 193,566,434 36,492,160 36,492,160 36,826,277 2,045,543 305,464,788		32,769,508 70,768,136 25,156,094 4,398,796 270,785	133,333,319		3,094,254 10,904,924 5,691,351 1,844,518 69,669 21,644,716	3,333,413 47,353,122 6,688,387 5,086,320 62,461,242	7,845,451 17,070,565 2,223,712 1,009,488 308,665 28,457,881	112,563,839
BOOK DEPRECIATION RESERVE (6)		566.243 31.822,458 155,633.889 31.894,024 34,923,019 1,956,452 256,916,084		36,559,256 65,412,301 18,465,298 5,520,714 177,500	126,135,069		8,559,431 21,331,994 7,024,296 5,115,618 167,920 42,199,260	8,476,858 27,173,618 6,334,840 5,133,267 47,118,583	9,371,164 17,828,005 2,430,220 2,001,022 621,196 32,251,607	121,569,450
ORIGINAL COST (5)		1,368,465,38 65,588,066,27 32,618,403,12 65,129,698,72 66,028,168,86 3,846,149,59 536,978,971,93		65,404,494.03 127.1271,436.31 41,128,024.42 9,358,027.68 426,938.25	243,584,850.69		11,538,301,98 31,604,822.12 12,466,321.14 6,330,827,99 235,237,36 62,775,510,59	11,578,697.55 73,065,431,91 12,767,869,71 10,118,402.57 107,530,401.74	17,046,163.06 34,214,285.03 4,562,678.17 2,980,702.95 920,665.01 59,724,474.22	230,030,386.55
NET SALVAGE PERCENT (4)		0 4 8 8 4		00000			58855	(2,0,0,0)	50055	
SURVIVOR CURVE (3)		SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0		110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0			110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	
PROBABLE RETIREMENT DATE (2)		04-2025 04-2025 04-2025 04-2025 04-2025 04-2025		12-2027 12-2027 12-2027 12-2027 12-2027			12-2025 12-2025 12-2025 12-2025 12-2025	12-2026 12-2026 12-2026 12-2026	12-2026 12-2026 12-2026 12-2026 12-2026	
ACCOUNT (1)	STEAM PRODUCTION PLANT CHOLLA GENERATING STATION	CHOLLA UNIT 4 310.20 LAND RIGHTS 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 MISCELLANEOUS POWER PLANTEQUIPMENT TOTAL CHOLLA UNIT 4	COLSTRIP GENERATING STATION	COLSTRIP GENERATING STATION 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT	TOTAL COLSTRIP GENERATING STATION	CRAIG GENERATING STATION	CRAIG UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PRANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CRAIG UNIT 1	CRAIG UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL CRAIG UNIT 2	CRAIG COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANTEQUIPMENT 314.00 THROSGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL CRAIG COMMON	TOTAL CRAIG GENERATING STATION

PACIFICORP
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST (5)	BOOK DEPRECIATION RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL ACCRU AMOUNT RAT (8) (9)	ACCRUAL RATE (9)	COMPOSITE REMAINING LIFE (10)
DAVE JOHNSTON GENERATING STATION									
DAVE JOHNSTON UNIT 1 STRUCTURES AND IMPROVEMENTS BOILER PLANT EQUIPMENT TURBOGENERATOR UNITS ACCESSORY ELECTRIC EQUIPMENT MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL DAVE JOHNSTON UNIT 1	12-2027 12-2027 12-2027 12-2027 12-2027	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	(6, 4, 6) (9, 6, 6) (9, 6, 6)	1,005,968.35 55,795,065.54 10,983,268.88 2,773,022.55 2,530.98 70,559,886.30	571,382 35,150,418 7,094,148 2,300,970 1,822 45,118,740	464,765 22,876,450 4,328,452 555,274 28,225,726	66,756 3,365,938 651,642 81,163 120 4,165,619	6.64 6.03 5.93 2.93 4.74 5.90	7.0 6.8 6.6 6.8 6.5
DAVE JOHNSTON UNIT 2 STRUCTURES AND IMPROVEMENTS BOILER PLANT EQUIPMENT TURBOGENERATOR UNITS ACCESSORY ELECTRIC EQUIPMENT TOTAL DAVE JOHNSTON UNIT 2	12-2027 12-2027 12-2027 12-2027	110-S0.5 65-L0.5 50-S0 80-R2.5	(3) (4) (5) (5) (6) (7)	887,357,88 57,741,699.37 16,635,007.75 3,715,363.57 78,949,428.57	377,974 36,620,934 10,061,178 2,584,658 49,644,744	505,105 23,430,433 7,239,230 1,242,167 32,416,935	72,428 3,449,755 1,081,254 179,715 4,783,152	8.45 5.97 6.50 4.84 6.06	7.0 6.8 7.0 7.0 6.9
DAVE JOHNSTON UNIT 3 STRUCTURES AND IMPROVEMENTS BOILER PLANT EQUIPMENT TURBOGENERATOR UNITS ACCESSORY ELECTRIC EQUIPMENT MISCELLANE COUPMENT TOTAL DAVE JOHNSTON UNIT 3	12-2027 12-2027 12-2027 12-2027 12-2027	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	(3) (4) (3) (3) (3) (4) (3) (4) (5) (5) (5) (7)	18,888,492,36 229,628,729,76 24,429,123,27 15,148,943,45 227,813,00 288,323,101.84	11,321,601 125,453,825 14,264,704 8,978,435 159,986	8,143,846 111,063,767 11,141,585 6,614,677 74,661 137,038,536	1,170,265 16,234,764 1,656,857 9,851,105 11,399 20,024,480	6.19 7.07 6.78 6.28 5.00 6.95	7.0 6.8 6.7 7.0 6.5
DAVE JOHNSTON UNIT 4 STRUCTURES AND IMPROVEMENTS BOILER PLANT EQUIPMENT TURBOGENERATOR UNITS ACCESSORY ELECTRIC EQUIPMENT MISCELL ANEOUS POWER PLANT EQUIPMENT TOTAL DAVE JOHNSTON UNIT 4	12-2027 12-2027 12-2027 12-2027 12-2027	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	(3) (4) (3) (3)	15,111,546.55 230,782,129.52 39,000,882.61 14,303,066.88 569,812.35 300,667,467.91	8,064,919 124,225,296 24,233,513 8,548,317 383,185 165,455,229	7,509,974 113,470,298 17,263,405 6,183,872 203,722 144,631,271	1,078,085 16,593,337 2,570,438 899,942 30,965 21,162,767	7.13 7.19 6.44 6.22 5.43	7.0 6.8 6.7 6.9 6.9
DAVE JOHNSTON COMMON 310.20 LAND RIGHTS 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGGENERATOR UNITS 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL DAVE JOHNSTON COMMON TOTAL DAVE JOHNSTON GENERATING STATION	12-2027 12-2027 12-2027 12-2027 12-2027	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	୍ ତିଡିଡିଡିଡି	99 970 26 130,354,540.03 149,641,122.66 11,893 677,45 27,884,886.59 7,377,700.63 327,261,897,52 1,065,761,782.14	75,850 78,912,178 77,528,431 5,068,820 14,817,539 4,329,434 180,726,252	24,120 55,352,998 76,601,925 7,181,668 115,914,194 3,275,598 156,350,503	3,445 7,956,823 11,189,744 1,050,411 1,996,364 494,093 22,690,880	3.45 6.10 7.48 7.16 6.70 6.83	7.0 6.8 6.8 6.8 7.0 6.8 6.6



SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)	0.17 0.55 0.58 0.58	0.11.0 0.11.8 8 4.0 4.0	11.2 9.11.2 6.8 6.0 6.0	11.8 11.1 11.0 10.7	9.8 9.6 9.7 9.0	9.6 9.6 7.0 7.8
ANNUAL ACCRUAL RATE (9)	2.24 2.35 1.56 0.96 1.04	2.25 2.11 2.30 0.87 1.04	2.60 2.30 3.20 2.48 1.03	2.09 5.44 3.21 4.28 3.12 2.88	1.25 5.49 4.53 2.53 3.51	1.48 5.70 4.69 2.16 2.58 5.14
CALCULATED ANNUAL ACCRUAL AMOUNT (8) (9)	32,893 234,308 77,989 13,023 197 358,410	30,536 281,036 134,018 11,814 118 457,522	37,915 310,220 240,770 61,312 433 650,650	248.241 102.813 14.741 132.367 11.121 509.273	13,966 2,534,592 240,066 25,453 8,276 2,822,333	26,903 1,355,114 207,520 28,324 5,363 1,623,224
FUTURE ACCRUALS (7)	390,315 2,621,191 822,722 153,515 1,862 3,989,605	362,692 3,133,327 1,442,972 138,879 1,114 5,078,984	449,849 3,475,699 2,651,209 722,348 4,137 7,303,242	2,927,200 1,184,625 163,003 1,570,982 1,184,76 5,964,286	136,327 24,393,241 2,254,874 246,304 74,368 27,105,114	263,485 13,057,883 1,960,524 274,597 46,744 15,603,233
BOOK DEPRECIATION RESERVE (6)	1,282,410 8,788,446 4,874,890 1,392,569 1,893,7178	1,196,825 12,061,580 5,189,361 1,414,396 11,349 19,873,510	1,212,937 11,892,173 5,935,184 2,094,236 42,137 21,165,067	10,599,916 969,811 360,319 1,953,332 281,118 14,164,496 77,540,351	1,000,029 22,691,866 3,160,229 780,179 158,448 27,785,752	1,595,728 11,212,496 2,553,857 1,090,073 163,473 16,575,627
ORIGINAL COST (5)	1,467,302.32 9,990,908.60 4,997,905.50 1,386,213.61 18,931.78 17,831,262.81	1,386,101,68 13,328,865,42 5,817,835,53 1,362,521,91 1,1,329,90 21,876,664,44	1,458,584,64 13,480,589.17 7,521,147,93 2,470,687.19 42,068.08 24,973,677,01	11,865,890,92 1,889,856,07 459,054,11 3,091,504,03 356,780,79 17,663,085,92 82,344,680,18	1,114,074.75 46,161,869.51 5,299,121.01 1,006,385.80 235,482.00 53,816,883.07	1,822,757.74 23,764,489.31 4,425,863.08 1,311,554.36 208,134.99 31,562,799.48
NET SALVAGE PERCENT (4)	(4, 4, 4, 4, 1) (10, 0)	(15) (14) (14) (10)	(41) (41) (41) (10)	(14) (14) (12) (12)	ପ୍ରତ୍ରତ	(3) (2) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3
SURVIVOR CURVE (3)	110-\$0.5 65-L0.5 50-\$0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0
PROBABLE RETIREMENT DATE (2)	12-2032 12-2032 12-2032 12-2032 12-2032	12-2032 12-2032 12-2032 12-2032 12-2032	12-2032 12-2032 12-2032 12-2032 12-2032	12-2032 12-2032 12-2032 12-2032 12-2032	12-2030 12-2030 12-2030 12-2030 12-2030	12-2030 12-2030 12-2030 12-2030 12-2030
ACCOUNT (1)	GADSBY GENERATING STATION  GADSBY UNIT 1  311.00 STRUCTURES AND IMPROVEMENTS 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 315.00 ACCESSORY ELECTRIC EQUIPMENT 315.00 MISCELLARICOUS POWER PLANTEQUIPMENT TOTAL GADSBY UNIT 1	GADSBY UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GADSBY UNIT 2	GADSBY UNIT 3 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANTEQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANTEQUIPMENT TOTAL GADSBY UNIT 3	GADSBY COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GADSBY COMMON	HAYDEN GENERATING STATION HAYDEN UNIT 1 31.100 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLARECUS POWER PLANT EQUIPMENT TOTAL HAYDEN UNIT 1	HAYDEN UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HAYDEN UNIT 2

3.38

44,866,909

892,834,103

537,482,039

1,328,338,999.19

PAGIFICARY
SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

<b>-</b>		## Elami		- H	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		Pac
ACCOUNT	(1)	HAYDEN COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL HAYDEN COMMON	OTAL HAYDEN GENERATING STATION	HUNTER GENERATING STATION	HUNTER UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTER UNIT 1	HUNTER UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL HUNTER UNIT 2	HUNTER UNIT 3 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTER UNIT 3	HUNTER UNITS 1 AND 2 COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTER UNITS 1 AND 2 COMMON	HUNTER UNITS 1, 2 AND 3 COMMON 310.20 LAND RIGHTS 312.00 STRUCTURES AND IMPROVEMENT 314.00 DOLLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTER UNITS 1, 2 AND 3 COMMON
PROBABLE RETIREMENT DATE	(2)	12-2030 12-2030 12-2030 12-2030			12-2042 12-2042 12-2042 12-2042 12-2042	12-2042 12-2042 12-2042 12-2042	12-2042 12-2042 12-2042 12-2042 12-2042	12-2042 12-2042 12-2042 12-2042 12-2042	12-2042 12-2042 12-2042 12-2042 12-2042 12-2042
SURVIVOR	(3)	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0			110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0
NET SALVAGE PERCENT	(4)	(3,8,8,3)			(7) (8) (8) (7) (5)	(7)	(7) (8) (7) (5)	(7) (8) (8) (6) (5)	0 (7) (7) (8) (8) (5) (5) (5)
ORIGINAL	(5)	14,836,254,06 12,44,3283,47 245,567,41 202,333,64 15,1862,47 27,679,291,05	113,058,973.60		22,925,965,11 269,835,849,05 65,406,471,89 33,635,750,10 746,350,41 392,550,376,56	12,358,955.70 176,092,195.05 45,047,013.38 16,812,098.51 250,310,262.64	55,142,197.89 306,531,239.08 85,622,453.01 54,041,587.46 1,529,204.78 502,866,662.22	9,299,143.02 11,669,181.54 3,724,365.46 10,10.28.46 766,114,51 25,459,822.99	246,337,54 118,998,210,49 33,778,682,33 1,174,088,71 2,507,307,91 447,287,80
BOOK DEPRECIATION RESERVE	(9)	7,890,253 8,198,686 132,380 163,503 118,933 16,503,756	60,865,135		13,513,179 83,657,455 25,056,061 16,621,204 388,177	7,065,528 55,367,694 17,021,78 9,004,817 88,459,796	31,503,151 135,951,366 27,075,149 29,966,026 745,793 225,271,486	5,434,190 4,672,194 1,670,804 3,815 405,796 12,216,800	135,669 59,880,743 11,091,657 490,880 549,470 148,463 72,297,881
FUTURE	(7)	7,094,363 4,289,465 11,809 42,867 34,448 11,579,240	54,287,587		11,017,593 207,765,262 45,582,928 19,369,048 395,491 284,130,322	6,158,555 134,811,876 31,629,017 8,984,129 181,583,577	27,499,001 195,102,372 64,540,876 27,828,451 859,872 315,830,572	4,515,893 7,822,522 2,351,500 7351,500 7351,275 398,624 15,161,814	10,669 67,447,342 25,389,299 777,136 2,083,204 320,168 96,127,818
CALCULATED ANNUAL ACCRUAL ACCRU	(8)	714,551 452,085 12,410 4,440 3,957 1,187,443	5,633,000		528,002 10,390,165 2,390,608 930,212 23,951 14,262,938	294,203 6,741,163 1,655,478 433,465 9,124,309	1,312,301 10,052,897 3,325,226 1,343,204 50,855 16,084,483	216,202 398,899 126,346 3,448 24,199 769,094	5,030 3,192,076 1,273,378 41,482 9,6452 17,687 4,626,085
ANNUAL ACCRUAL RATE	(6)	4.82 3.69 5.05 2.19 2.61 4.29	4.98		2.30 3.85 3.66 2.77 3.63	2.38 3.68 3.68 3.65 3.65	2.38 3.28 3.88 2.49 3.33	2.32 3.45 3.39 3.41 3.16	2.04 2.68 3.77 3.53 3.85 3.95 2.94
COMPOSITE REMAINING LIFE	(10)	Q Q Q Q Q Q			20.9 20.0 19.1 20.8 16.5	20.9 20.0 19.1 20.7	21.0 19.4 19.4 20.7 16.9	20.9 19.6 18.6 21.3	22.0 21.1 19.9 18.7 21.6 18.1

TOTAL HUNTER GENERATING STATION

SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)	4.0.0.4.4.0.0.4.0.0.0.4.0.0.0.0.0.0.0.0	6.51 6.74 6.75 6.75 6.75 7.75 8.75 8.75 8.75 8.75 8.75 8.75 8	61 64 64 64 64 64	7.9 7.7 7.7 7.8 7.2	7.11 7.13 7.16 10.2	6.55 6.65 6.64 7.65 7.65 7.65 7.65 7.65 7.65 7.65 7.65
ACCRUAL RATE (9)	2.52 4.41 4.37 2.77 4.27	3.09 4.25 4.16 3.39 3.89 4.10	3.22 4.81 3.80 4.68 5.68 3.84 4.11	3.84 6.07 6.52 3.96 4.02 5.91	2.97 4.86 5.55 3.10 3.53 4.86	2.90 4.60 4.11 3.24 3.17 4.43
CALCULATED ANNUAL ACCRUAL ACCRUAL AMOUNT (9)	506,328 13,121,287 2,754,826 560,787 49,937 16,993,165	822,442 11,139,960 2,550,255 822,337 35,708 15,370,722	2,646,940 2,152,529 2,113,19 225,144 83,054 5,388,986 37,752,873	589,967 10,098,796 2,938,681 423,214 11,661 14,062,329	376,623 8,238,352 3,236,065 280,652 6,487 12,138,149	423,758 12,629,368 1,775,327 293,199 5,655
FUTURE ACCRUALS (7)	7 821 844 196,893,855 40,225,399 8,628,544 689,361 254,259,003	12,822,092 166,636,737 36,906,688 12,827,108 485,707 229,678,332	41,275,835 32,541,226 3,962,252 3,557,355 1,197,184 82,540,852 566,478,187	4,640,172 77,848,452 22,491,930 3,309,878 83,565 108,373,997	4,394,653 9,431,629 36,571,918 3,248,823 66,191 137,713,214	6,976,454 201,023,482 27,091,881 4,795,824 76,421 239,964,062
BOOK DEPRECIATION RESERVE (6)	13,684,879 121,825,189 27,201,015 12,859,724 538,393 176,089,200	15,352,675 114,007,031 28,689,619 12,863,384 476,897 171,389,605	46,601,593 15,297,41 4,031,942 1,488,706 338,450 67,758,133 415,236,938	11,503,500 96,782,600 24,850,210 7,907,729 217,831 141,261,870	9,037,185 8,284,408 24,657,829 6,247,857 124,954 126,352,233	8,495,088 90,151,615 19,103,465 4,794,146 109,158
ORIGINAL COST (5)	20,081,050,18 297,868,265.59 63,015,340,68 20,271,950,72 1,169,288,01 402,405,896,18	26,579,968,96 282,283,895,16 61,304,959.68 24,296,312,93 916,766,29 375,321,902,02	82,128,437.66 47,09,005.37 7,408,513.51 4,805,772.55 140,514,267.48 918,242,065.68	15,374,925,26 166,315,287.18 45,087,752,01 10,683,435,97 289,804.38 237,751,204.80	12,671,545,65 169,533,431.17 58,341,044.27 9,044,457,08 183,793,94 249,757,272.11	14,585,794,74 274,693,487,71 43,173,220,17 9,047,141,61 778,441,62 341,688,085,85
NET SALVAGE PERCENT (4)	66666	(2) (3) (6) (6)	66999	© © © © <del>(</del>	(6) (5) (5) (5) (4)	(a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d
SURVIVOR CURVE (3)	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0
PROBABLE RETIREMENT DATE (2)	12-2036 12-2036 12-2036 12-2036 12-2036	12-2036 12-2036 12-2036 12-2036 12-2036	12-2036 12-2036 12-2036 12-2036 12-2036	12-2028 12-2028 12-2028 12-2028 12-2028	12-2032 12-2032 12-2032 12-2032 12-2032	12-2037 12-2037 12-2037 12-2037 12-2037
ACCOUNT (1)	HUNTINGTON GENERATING STATION HUNTINGTON UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTINGTON UNIT 1	HUNTINGTON UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 31200 BOLLER PLANT EQUIUMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTINGTON UNIT 2	HUNTINGTON COMMON 311.00 STRUCTURES AND IMPROVEMENTS 31200 BOLLE RP RANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HUNTINGTON COMMON TOTAL HUNTINGTON GENERATING	JIM BRIDGER GENERATING STATION JIM BRIDGER UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER UNIT 1	JIM BRIDGER UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER UNIT 2	JIM BRIDGER UNIT 3 31100 STRUCTURES AND IMPROVEMENTS 31200 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER UNIT3



SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

							Pag
4.61 4.62 4.62 4.62 5.61 5.62 5.61	0.71 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6			8.9 8.7 8.5 8.9 7.7	8.9 7.8 8.6 8.9 7.9	90 8.90 7.88 8.90 8.90	
2.54 4.61 3.91 2.68 3.16	2.13 3.55 4.24 4.48 3.77 3.98	4.63		7.99 9.22 8.85 8.72 7.17	8.83 9.14 9.38 8.69 7.20	5.69 8.76 9.54 9.54 9.07 9.07	9.00
1,024,417 14,101,548 1,794,210 455,314 36,635 17,412,124	5,990 2,641,291 4,457,480 467,224 729,916 143,889 8,445,790	67,185,699		1,683,380 14,169,792 1,787,024 1,818,465 6,238 19,464,899	2,583,777 17,548,475 2,562,033 2,610,776 25,733 25,733	855 6,377,862 3,976,077 166,156 365,444 143,097	55,825,284
16,759,072 224,347,202 27,204,155 7,379,839 495,904 276,186,172	101,822 43,862,377 70,283,061 7,271,034 12,057,467 2,150,163 135,725,924	897,963,369		15,002,389 123,600,577 15,100,1908 16,225,371 48,221 169,978,466	23,100,982 153,027,720 21,994,084 23,322,237 202,960 221,647,983	7,692 56,908,943 34,499,247 1,438,696 3,261,381 1,202,752 97,318,711	488,945,160
25,997,616 100,099,001 21,876,802 10,601,592 709,000 159,284,010	179,289 35,030,064 42,176,500 3,784,980 8,246,800 803,236 90,220,889	639,772,454		8,387,942 47,031,559 7,299,844 6,924,445 46,636 69,690,426	9,379,817 60,109,095 8,330,345 10,018,772 186,664 88,024,693	7,324 23,888,218 15,374,826 496,543 1,412,079 531,811 417,09,602	199,424,721
40,336,498.38 306,081,322.88 45,870,053.58 16,963,61,06 1,158,561,50 410,410,050.40	281,111.10 74,426,382,38 105,102,382,89 10,430,202.04 19,337,397,75 2,889,806,72 2,12,417,741,85	1,452,024,355.01		21,072,370,45 153,772,644,30 20,181,758,58 20,855,689,91 87,024,65 215,919,487,89	29,261,980,41 192,015,148,20 27,319,305,47 30,036,945,01 357,453,77 278,990,832,86	15,015,87 72,790,234,96 44,931,417,21 1,742,558,09 1,576,325,09 1,576,835,20 125,266,426,42	620,176,747.17
(6) (7) (6) (4)	0 (7) (8) (5) (4)			(11) (11) (11) (9)	(11) (11) (12) (9)	• <u>£ £ £ 6</u>	l
110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0			110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	
12-2037 12-2037 12-2037 12-2037 12-2037	12-2037 12-2037 12-2037 12-2037 12-2037			12-2029 12-2029 12-2029 12-2029 12-2029	12-2029 12-2029 12-2029 12-2029 12-2029	12-2029 12-2029 12-2029 12-2029 12-2029	
JIM BRIDGER UNIT 4 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TAURBOGENERATOR UNITS 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER UNIT 4	JIMBRIDGER COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JIM BRIDGER COMMON	OTAL JIM BRIDGER GENERATING STATION	AUGHTON GENERATING STATION	NAUGHTON UNIT 1 31.00 STRUCTURES AND IMPROVEMENTS 31.200 BOLLER PLANT EQUIPMENT 314.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL NAUGHTON UNIT 1	NAUGHTON UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL NAUGHTON UNIT 2	NAUGHTON COMMON 310.20 LAND RIGHTS 314.00 SOULER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL NAUGHTON COMMON	TOTAL NAUGHTON GENERATING STATION
	JIM BRIDGER UNIT 4         12-2037         (10-S0.5         (6)         40,336,498.38         25,997,616         16,759,072         1,024,417         2.54           STRUCTURES AND IMPROVEMENT         12-2037         (6-L0.5)         (6)         306,081,322.88         100,099,001         224,347.202         14,101,548         4,61           BOILER PLANT EQUIPMENT         12-2037         65-L0.5         (7)         45,870,053.58         21,686,150         7,739,839         4,61         3,91           ACCESSORY LECTRIC EQUIPMENT         12-2037         45-L0         (4)         1,158,561.50         7,739,839         455,314         2,68           MISCELLANEOUS POWER PLANT EQUIPMENT         12-2037         45-L0         (4)         1,158,561.50         7,799,639         456,304         36,635           TOTAL JIM BRIDGER UNIT 4         17,412,124         17,412,124         17,412,124         42,44         42,44         42,44         42,44         42,44         42,44         42,44         42,44         42,44         42,44         42,44         42,44         42,44         42,44         44,44         44,44         44,44         44,44         44,44         44,44,44         44,44         44,44,44         44,44         44,44         44,44,44         44,44,44         44,44	JIM BRIDGER UNIT 4         122037         10-S0.5         (6)         40,336,498.38         25,997,616         16,759,072         1,024,417         254           STRUCTURES AND IMPROVEMENTS         122037         65-L0.5         (7)         46,870,035.88         100,099,001         224,347,202         14,101,548         46,11           POLLER PLANT EQUIPMENT         12-2037         65-L0.5         (7)         45,870,035.88         10,099,001         27,204,155         14,101,548         46,11           ACCESORY ELCTRIC EQUIPMENT         12-2037         80-R2.5         (6)         16,863,614,06         10,601,592         7,378,839         45,210         3,916           ACCESORY ELCTRIC EQUIPMENT         12-2037         80-R2.5         (6)         14,168,561,50         7,378,839         45,210         3,916           MISRIDGER LOME POWER PLANT EQUIPMENT         12-2037         45-L0         (4)         14,140,410,650,40         159,284,010         276,166,172         17,412,124         4,24           ALND RIGHTS         AND RIGHT	STRUCTINES AND MEROVEMENTS   12-2037   10-50.5   6)   3-06.081,322.88   100.099-011   224,347.202   14,101.548   4.61     12-2037   60-50   (7)   46,870.063.38   100.099-011   224,347.202   14,101.548   4.61     12-2037   60-50   (7)   46,870.063.38   100.099-011   224,347.202   17,94,210   3.91     ACCESSORY ELECTINE COLUMENT   12-2037   45-L0   (4)   410,410.050.40   159,284,010   276,186,172   17,412,124   4.24     AURICOGELIA PLANT EQUIPMENT   12-2037   10-50.5   (9)   10-60.5   10-60.1502   179,289   45,170.04   4.7426.83.15   170,412.04   4.86.33.77   10-60.5   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   170,400.80   1	State	NEMENTS   12,2037   110,505   (i)   306,081,322.83   100,099,001   224,472.02   14,101,548   461   14,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,2037   15,20	PLANTEQUIPMENT   12,2007   110,8915   (9)   40,396 406.39   25,697 616   25,497 62   10,044.17   2,54 1	PARTICOLIMINAT         17.2027         (6)         40.386 468.38         28.597 616         (6)         40.386 468.38         28.597 616         (6)         40.386 468.38         28.597 616         (6)         40.386 468.38         10.004.01         27.704.18         4.61         3.61         4.61         3.61         4.61         3.61         4.61         3.61         4.61         3.61         4.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61         3.61

SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

шο	0 % 4 9 % -		00040	7 7 7	0808-	8 <del>4</del> 8 <del>/</del>	3
COMPOSITE REMAINING LIFE (10)	19.0 18.3 16.6 16.5 16.5 16.5		16.5 15.2 16.4 16.4	16.7 15.9 16.7 16.7	17.0 16.8 16.0 16.8	16.8 16.4 13.7	
ANNUAL ACCRUAL RATE (9)	1.92 2.40 3.59 3.52 2.73 3.89	3.39	2.84 3.41 3.76 2.82 3.92 3.40	4.23 4.58 4.45 4.08 4.61	1.69 3.87 4.57 4.84 5.24 3.08	4.40 6.28 4.78 3.35 5.88	3.49
CALCULATED ANNUAL ACCRUAL AMOUNT (8) (9)	3,165 1,280,783 11,877,404 2,290,489 797,055 77,842	16,296,738	186,829 441,987 643,109 141,910 26,821 1,440,656	29,068 380,519 71372 99,742 24,123 1,228,824	690,749 9,683 1,691,185 49,856 6,364 2,447,837	32,489 203,245 2,016 2,335 240,085	5,357,402 <b>419,112,432</b>
FUTURE ACCRUALS (7)	60,132 23,453,653 206,943,597 38,129,357 14,574,695 772,157	283,933,591	3,073,603 6,739,746 9,583,183 2,322,636 382,086 22,101,254	486,767 5,729,835 11,117,794 1,669,689 355,570	11,742,740 162,335 27,111,462 838,594 96,358 39,951,469	544,655 3,329,497 33,875 32,077 3,940,104	85,352,482 4,342,155,513
BOOK DEPRECIATION RESERVE (6)	104,665 32,115,078 140,746,619 30,152,43 15,801,045 494,563	219,420,214	4,102,662 7,522,667 9,058,117 3,109,604 349,322 24,142,271	255,268 2,850,187 6,400,547 970,00,547 203,775 10,680,180	29,239,171 105,168 12,872,532 246,675 32,488 42,514,033	252,440 164,560 11,711 42,553 471,264	77,807,747
ORIGINAL COST (5)	164,796.80 53,431,471.86 33,133,539,46 65,035,809,91 29,207,442.60 1,229,825,96	480,202,886,59	6,583,729.23 12,965,738.93 17,102,109,74 5,029,881.92 683,558.16 42,364,987.98	687,068.93 7,871,580.20 16,071,872.70 2,444,528.70 522,752.96 27,597,803.49	40,981,910.43 249,993.70 37,022,216.69 1,031,082.80 121,552.76 79,406,756.38	738,050,46 3,235,238,06 4,2208,95 69,748,12 4,085,245,59	153,454,793.44 7,224,199,492.17
NET SALVAGE PERCENT (4)	0 (3 (3 (3 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5		(9) (9) (2) (3)	(2) (8) (8) (8) (2)	0 (2) (8) (9)	8886	
SURVIVOR CURVE (3)	SQUARE 110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0		110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	110-S0.5 65-L0.5 50-S0 80-R2.5 45-L0	SQUARE 110-S0.5 65-L0.5 80-R2.5 45-L0	110-S0.5 65-L0.5 80-R2.5 45-L0	
PROBABLE RETIREMENT DATE (2)	12-2039 12-2039 12-2039 12-2039 12-2039		12-2037 12-2037 12-2037 12-2037 12-2037	12-2037 12-2037 12-2037 12-2037 12-2037	12-2037 12-2037 12-2037 12-2037 12-2037	12-2037 12-2037 12-2037 12-2037	
ACCOUNT (1)	WYODAK GENERATING STATION WYODAK PLANT 310.20 LAND RIGHTS 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT	TOTAL WYODAK GENERATING STATION BLUNDELL GENERATING STATION	BLUNDELL GEOTHERMAL UNIT 1 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BLUNDELL GEOTHERMAL UNIT 1	BLUNDELL GEOTHERMAL UNIT 2 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOILER PLANTEQUIPMENT 314.00 TURBOGENERATOR UNITS 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BLUNDELL GEOTHERMAL UNIT 2	BLUNDELL GEOTHERMAL STEAM FIELD 310.20 LAND RIGHTS 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 316.00 ACCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BLUNDELL GEOTHERMAL STEAM FIELD	BLUNDELL GEOTHERMAL COMMON 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLLER PLANTEQUIPMENT 315.00 ACCESSORY ELECTRIC CQUIPMENT 316.00 MISCELLANEOUS POWER PLANTEQUIPMENT TOTAL BLUNDELL GEOTHERMAL COMMON	TOTAL BLUNDELL GENERATING STATION TOTAL DEPRECIABLE STEAM PRODUCTION PLANT



SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)			7. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	12.9 12.7 12.7 12.3 12.3	6.9 0.0 0.0 	31.5 31.9 30.5 28.0 31.4
AUNUAL ACCRUAL RATE (9)		5.77	11.48 9.03 8.72 7.56 8.40 7.36 10.87	1.53 4.37 4.77 4.77 4.71 2.94 5.09 4.77	0.90 0.00 7.14 7.14 7.14 7.14 7.14 7.14	1.76 1.75 1.64 2.01 1.90 1.74
CALCULATED ANNUAL ACCRUAL ACCR AMOUNT RAT (8) (9)		419,112,432	37,668 191,475 2,443,602 150,175 111,111 588 596 2,985,215	90 295,078 2,051,334 847,567 273,107 2,356 65,091 3,534,623	849 0 0 0 0 0 0 0 0 0 0	13,263 101,626 25,640 7,886 7,432 152,847
FUTURE ACCRUALS (7)		4,342,155,513	283,673 1,327,092 17,006,086 1,031,516 750,297 3,993 4,137 20,386,794	1,165 3,761,084 26,297,664 10,793,420 3,362,602 28,962 834,069 45,068,966	8,392 0 596,547 0 0 1 1 604,940	418,094 3,238,106 7,238,121 220,886 139,331 4,799,538
BOOK DEPRECIATION RESERVE (6)	2,534,227 12,995 10,891,179 981,841 96,463 631 7,722 14,473,059	3,341,766,778	64.393 815.386 11,029.384 974,130 885,300 84,076 1,401	4,714 3,064,319 17,118,510 6,769,558 2,557,021 5,1892 469,529 30,035,543	86,777 1,407,642 263,893 618,452 15,247 176 2,382,187	360,255 2,788,504 893,978 190,687 105,433 4,308,857
ORIGINAL COST (5)	9,700,996.61 24,271,831.30 1,471,639.00 171,270.00 690.97 13,496.80 35,638,062.69	7,259,837,554.86	328.066.33 2,171.264.95 28.035,489.79 1,985,787.70 1,322,373.28 7,989.05 5,483.60 33,806,434.70	5,879,43 6,757,825.20 42,986,311.51 17,218,606.06 5,793,747.71 8,0052.74 1,278,037.61 74,120,460.26	94.226.00 1,393,704.74 84.2,019.85 606.325.85 15,086.48 188.16 2,951,541.08	755,679.04 5,821,951.25 1,567,382.45 391,974.23 233,108.67 8,770,095,64
NET SALVAGE PERCENT (4)			• E• EEEE	69999	(9(3(3)(3)	(5)
SURVIVOR CURVE (3)			SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5	SQUARE 125-R1 125-R1.5 125-R0.5 75-R0.5 100-S0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5	125-R1 125-R1.5 95-S0 70-L0
PROBABLE RETIREMENT DATE (2)			12-2027 12-2027 12-2027 12-2027 12-2027 12-2027	12-2033 12-2033 12-2033 12-2033 12-2033 12-2033	12-2030 12-2030 12-2030 12-2030 12-2030 12-2030	12-2053 12-2053 12-2053 12-2053 12-2053
ACCOUNT (1)	310.30 WATER RIGHTS DAVE JOHNSTON CADSBY HUNTER HUNTINGTON JIM BRIDGER NAUGHTON WYODAK TOTAL WATER RIGHTS	TOTAL STEAM PRODUCTION PLANT	HYDRAULIC PRODUCTION PLANT  30.20 LAND RIGHTS 33.00 LAND RIGHTS 33.00 RESERVOIRS, DAMS AND WHYBOVEMENTS 33.00 WATERWHEELS, TURBINES AND GENERATORS 33.00 WATERWHEELS, TURBINES AND GENERATORS 33.00 MSCESSORY ELECTRIC GUIDMENT 33.00 MSCELLANEOUS POWER PLANT EQUIPMENT 33.60 ROADS, RAILROADS AND BRIDGES TOTAL ASHTON/ST. ANTHONY	BEAR RIVER 330.20 LAND RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL BEAR RIVER	BEND 33.1 00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL BEND	BIG FORK 331.00 STRUCTURES AND IMPROVEMENTS 33.00 MESERVOIRS, DAMS AND WATERWAYS 33.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL BIG FORK



SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)	45.8 4111 - 4211 39.9 35.4 35.8 41.3	- 1.00 -	14.7 14.8 13.9 14.5	12.7 12.8 12.7 12.2 12.6	13.0 12.0 12.8 12.5 12.5 12.5 12.5 13.0
ACCRUAL RATE (9)	1.22 - 0.61 0.67 1.20 1.32 0.78 0.78	1.58 2.11 3.30 2.03 2.30 2.30	2.90 2.45 1.84 2.42 1.24	1.42 1.73 2.53 2.66 1.16	1.55 1.61 2.62 2.13 5.13 6.28 5.39 4.81
CALCULATED ANNUAL ACCRUAL ACCRU AMOUNT RATE (8) (9)	8 0 0 24,496 92,323 143,123 35,051 5,670 300,718	2,907 39,146 22,339 2,862 4,084 71,938	15,755 92,022 13,030 5,100 17 125,924	6,328 16,488 26,636 7,047 748 60,247	321 389 32,066 437,151 548,908 59,207 638 1,281 1,091,561
FUTURE ACCRUALS (7)	366 0 0 0 0 1,007,304 3,883,751 5,708,469 1,240,421 1,240,421 1,240,421 1,683 233,899 12,075,983	56,684 769,066 449,309 52,740 73,960 1,407,759	231,653 1,358,301 187,545 70,703 246 1,848,448	80,606 211,224 376,033 86,240 9,397 763,500	4,180 5,057 405,154 5,594,934 7,019,921 739,509 7,965 115,578
BOOK DEPRECIATION RESERVE (6)	290 4,818 90,968 3202,519 7,405,530 7,292,261 1,575,460 9,618 567,391 20,148,866	12,122 130,746 1,127,137 265,791 92,213 101,035 1,729,065	316,327 2,439,821 543,873 143,879 1,137 3,444,337	368,187 749,452 817,053 184,409 56,965 2,176,066	16,579 19,073 841,167 5,250,018 3,783,405 212,636 3,390 105,091
ORIGINAL COST (5)	665.72 4,818.31 90.988.42 4,009.355.14 10.650.264.43 11.937.274.67 2,656.491.90 10.867.28 728.637.32 30.079,224.19	12,12248 183,754.83 1,859,023.00 694,272.28 140,731.15 177,7466.36	542,554,68 3,760,516.83 709,434.89 210,374.03 1,389,06 5,224,249,49	444,349,69 951,16443 1,169,692.24 265,342.07 64,428,92 2,894,977,35	20,788.93 24,129.94 1,221,883.92 10,632.306.62 10,665.397 942,777.35 11,836.15 267,893.34 23,817,985.22
NET SALVAGE PERCENT (4)	000000000000000000000000000000000000000	0 2 3 8 8 2	55885	EE338	••ଊଊୖଽଽଽ
SURVIVOR CURVE (3)	SQUARE SQUARE SQUARE 125-R1 125-R1 125-R1 95-S0 70-L0 75-R0.5	SQUARE 125-R1 125-R1.5 95-S0 70-L0 100-S0.5	125-R1 125-R1.5 95-S0 70-L0	125-R1 125-R1.5 95-S0 70-L0 100-S0.5	SQUARE SQUARE 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5
PROBABLE RETIREMENT DATE (2)	12-2064 12-2064 12-2064 12-2064 12-2064 12-2064 12-2064 12-2064	12-2040 12-2040 12-2040 12-2040 12-2040 12-2040	12-2035 12-2035 12-2035 12-2035 12-2035	12-2033 12-2033 12-2033 12-2033 12-2033	12-2033 12-2033 12-2033 12-2033 12-2033 12-2033 12-2033
ACCOUNT (1)	CUTLER 330.20 WATER RIGHTS 330.30 WATER RIGHTS 330.40 FLOOD RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS. DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANTEQUIPMENT 335.00 ROADS, RAILROADS AND BRIDGES TOTAL CUTLER	EAGLE POINT 330.20 LAND RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 ROADS, RALIROADS AND BRIDGES TOTAL EAGLE POINT	GRANITE 331.00 STRUCTURES AND IMPROVEMENTS 33.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANTEQUIPMENT TOTAL GRANITE	LAST CHANCE 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL LAST CHANCE	330.20 LAND RIGHTS 330.30 WATER RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 MATERWAYS 332.00 MATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 335.00 ROADS, RALLANGOUS AND BRIDGES TOTAL LIFTON

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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)	38.0 38.0 38.0 36.1 33.8 33.0 33.0 8.2 8.3 8.3 9.3	17.6 17.7 17.3 16.7 16.8	4.00 3.90 -	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	18.0 17.6 17.7 17.4 17.4 16.9	36.1 36.7 34.9 31.9 32.4 36.7
ACCRUAL RATE (9)	0.72 0.69 2.25 2.36 2.40 2.12 2.39	3.53 3.70 3.55 4.06 3.22 3.69	0.15 0.07 - 0.05	1.15 1.15 1.15 1.15 1.25 1.32 1.34 1.34	2.07 1.36 3.89 3.50 3.41 4.09 4.68 3.11 3.63	0.81 0.11 0.32 1.53 0.10 1.84
CALCULATED ANNUAL ACCRUAL AMOUNT (8) (8)	2,154 1,469 2,239,509 1,307,886 181,833 310,965 3,507 164,095 4,301,418	1,243,645 7,692,664 927,904 791,116 22,785 354,955 11,033,059	0 167 53 0 0 0 220	106 1,275 28,128 414,535 69,123 51,746 275 3,208 568,396	77 43 248,494 1,311,162 144,242 272,781 581 48,884 2,026,244	5,196 4,878 5,756 28,751 59 5,488 49,608
FUTURE ACCRUALS (7)	81,823 85,817 84,086,583 47,70,963 6,146,112 9,924,836 115,786 5,988,731 154,030,621	21 843,999 135,849,956 16,088,860 13,174,009 383,660 6,213,742 193,564,126	0 667 209 0 1	1,065 12,748 277,357 4,101,419 679,339 496,410 2,645 31,796 5,602,779	1,387 4,367,112 23,182,735 2,503,547 4,548,416 9,837 867,382 35,481,194	187,810 178,949 201,156 902,334 1,911 200,737 1,672,957
BOOK DEPRECIATION RESERVE (6)	218.687 156.463 22,780,970 10,019,344 4,617,412 2,622.864 54,235 1,266,612 41,736,588	14,139,786 76,056,728 10,796,510 6,720,358 330,079 3,953,150 11,996,611	108,880 111,041 72,166 157,547 406 450,038	8,182 98,058 341,057 5,743,380 936,775 6,832 2,987 7,620,967	2,325 2,389 2,082,832 14,629,802 1,856,352 2,247,083 9,916,768 196,768	476,194 4,558,937 1,781,413 1,040,274 61,204 113,613 8,031,635
ORIGINAL COST (5)	300,510.01 212,279.74 103,706,361.98 55,529,131.78 9,696,868.47 11,950,190.46 165,049.49 6,882,232.05 188,422,623.98	35,278,220,30 207,751,621,39 26,11,2,095,53 19,504,280,65 706,573,85 9,870,788,82 299,223,504,54	108,879.52 110,601.53 71,686.60 157,546,75 406,93	9,247,48 110,805,67 612,291.01 9,47,326,40 1,600,133,74 9,383,22 61,001,96 13,094,006,76	3,711.84 3,166.96 6,386,083.41 37,438,155.20 4,232,911.96 6,682,294.32 1,043,283,70 1,043,283,70	638.466.24 4,512.27.92 1,818.870.65 1,850.160.66 6,127.01 296.566.09 9,177,602.57
NET SALVAGE PERCENT (4)	0 0 0 (2.3) (3.5) (5.5) (5.5)	336368	0000	00EEEEE	0 (2 (2 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3	(4) (6) (6) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9
SURVIVOR CURVE (3)	SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5	SQUARE SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5	SQUARE SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5
PROBABLE RETIREMENT DATE (2)	12-2058 12-2058 12-2058 12-2058 12-2058 12-2058	12-2038 12-2038 12-2038 12-2038 12-2038	12-2024 12-2024 12-2024 12-2024 12-2024	12-2030 12-2030 12-2030 12-2030 12-2030 12-2030	12-2038 12-2038 12-2038 12-2038 12-2038 12-2038	12-2058 12-2058 12-2058 12-2058 12-2058
ACCOUNT (1)	MERWIN 330.20 LAND RIGHTS 330.50 FISHWILDILIFE 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RALIROADS AND BRIDGES TOTAL MERWIN	NORTH UMPQUA 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 334.00 WATERWHELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELL ANEOUG POWER PLANT EQUIPMENT 336.00 ROADS, RALLROADS AND BRIDGES TOTAL NORTH UMPQUA	PARIS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINGS AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL PARIS	PIONEER 330.20 LAND RIGHTS 330.30 WATER RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVICHES, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RAILROADS AND BRIDGES TOTAL PIONEER	PROSPECT#1,2 AND 4 330.20 LAND RIGHTS 330.40 FLODD RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 335.00 MISCELL ARECINE COULDMENT 335.00 MISCELL AND BRIDGES TOTAL PROSPECT# 1, 2 AND 4	PROSPECT#3 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS, DAMS AND WATERWAYS 333.00 WATERWHEELS, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MSCELLANEOUS POWER PLANT EQUIPMENT 336.00 ROADS, RAIL ROADS AND BRIDGES TOTAL PROSPECT#3



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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

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COMPOSITE REMAINING	(10)	0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 9.9 9.7 9.6 10.0	38.0 38.0 36.1 35.7 34.0 31.4 29.4	8.8.8.9 9.8.8.8 7.8	35.80 0.0 0.0 35.5	37.6 38.4 36.1 33.2 33.3 36.4
ANNUAL ACCRUAL RATE	(6)	0.00 0.00 0.76 0.00 0.29	2.49 2.44 2.45 8.35 8.59 1.81	0.98 1.00 1.62 2.29 2.20 2.00 1.61 1.61	4.26 4.16 4.36 5.33 4.34	- 1.41 0.00 0.00 0.74 0.78	0.43 0.79 0.67 1.04 0.60 0.70
CALCULATED ANNUAL ACCRUAL ACCRUA	(8)	5,244 5,244 2,033 7,277	4,454 66,031 14,109 9,564 18,462	61,403 968 1,650,595 879,760 326,508 195,011 6,393 23,585 3,144,223	17,029 4,271 2,1,339 10,721 874 54,234	0 30,507 0 0 4,810 35,317	1,657 15,869 6,203 2,632 131 276 265 276 276
FUTURE	(7)	0 0 0 20,690 8,098 8,098	43,791 653,806 137,415 91,442 183,964 1,110,418	2,333,282 36,770,402 31,370,743 11,098,429 6,131,064 188,792 111,567,604	151,091 38,016 187,330 92,097 7,589 476,123	0 1,092,471 0 0 170,753 1,263,224	62,245 609,760 223,982 87,306 4,382 10,048
BOOK DEPRECIATION RESERVE	(9)	178.276 1,128.334 461.677 667.381 7,735 13.246 2,456.650	136,828 572,553 386,322 130,704 1,256,265	3,944,131 60,439 14,824,061 26,126,300 6,702,354 2,096,874 229,626 354,789 54,338,564	252,511 65,787 312,269 111,061 12,749 754,377	173,631 1.157,023 861,225 773,665 513,810 3,489,353	342,160 1,508,176 759,825 181,287 18,277 32,617 2,882,342
ORIGINAL	(5)	178.276.13 1,128.334.33 457.106.16 68.071.30 7,735.35 21,483.78 2,480.867.04	178.830.37 124.217.53 512.486.86 219.946.79 214.821.25 2,340,302.80	6.277,412.59 97.228.11 72.227,624.69 54.24.48.33.4 16.182.529.75 7.836.131.14 87,837.44 1.126.019.28 158.387,276.34	399,606,00 102,775,01 489,802,44 201,146,18 20,136,62 1,213,466,25	166,953,30 2,162,974,86 797,430,45 739,306,32 645,814,24 4,512,479,17	385.147.93 1,998.052.23 922.348.07 253,389.90 2.1,767.82 39,505.18 3,620,211.13
NET SALVAGE PERCENT	(4)	00£000	EEQE0	0 (2 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3	55055	(4) (4) (8) (9) (9) (9) (9) (9)	(5) (9) (4) (8)
SURVIVOR	(3)	125-R1 125-R1.5 95-S0 70-L0 75-R0.5	125-R1 125-R1.5 95-S0 70-L0 100-S0.5	SQUARE SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5	125-R1 125-R1.5 95-S0 70-L0 100-S0.5	125-R1 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5
PROBABLE RETIREMENT DATE	(2)	12-2024 12-2024 12-2024 12-2024 12-2024 12-2024	12-2030 12-2030 12-2030 12-2030 12-2030	12-2058 12-2058 12-2058 12-2058 12-2058 12-2058 12-2058	12-2029 12-2029 12-2029 12-2029 12-2029	12-2057 12-2057 12-2057 12-2057 12-2057	12-2060 12-2060 12-2060 12-2060 12-2060
ACCOUNT	(1)	SANTA CLARA OO STRUCTURES AND IMPROVEMENTS OO RESERVOIRS, DAMS AND WATERWAYS OO WATERWHEELS, TURBINES AND GENERATORS OO MACCESSORY ELECTRIC EQUIPMENT OO MISCELLANEOUS POWER PLANT EQUIPMENT OO ROADS, RALIROADS AND BRIDGES TOTAL SANTA CLARA	STAIRS  00 STRUCTURES AND IMPROVEMENTS  00 MESERVOIRS, DAMS AND WAITERWAYS  00 WATERWHEELS, TURBINES AND GENERATORS  00 ACCESSORY ELEC'IRIC EQUIPMENT  100 ACCESSORY ELEC'IRIC EQUIPMENT  101 ACCESSORY ELEC'IRIC EQUIPMENT	SWIFT 20 LAND RIGHTS 50 FISHWILDLIFE 50 OF TESERVOIRE, JAMS AND WATERWAYS 60 RESERVOIRE, JAMS AND WATERWAYS 60 WATERWHEELS, TURBINES AND GENERATORS 60 MACCESSORY ELECTRIC EQUIPMENT 60 MISCELLANDOUS POWER PLANT EQUIPMENT 61 FORDS, RALIROADS AND BRIDGES 707AL SWIFT	VIVA NAUGHTON  00 STRUCTURES AND IMPROVEMENTS  00 WATERWHEELS, TURBINES AND GENERATORS  00 ACCESSORY ELECTRIC, EQUIPMENT  10 MISCELLANEOUS POWER PLANT EQUIPMENT  TOTAL VIVA NAUGHTON	WALLOWA FALLS  00 STRUCTURES AND IMPROVEMENTS  00 WATERWHEELS, TURBINES AND GENERATORS  00 ACCESSORY ELECTRIC EQUIPMENT  00 ACCESSORY ELECTRIC EQUIPMENT  TOTAL WALLOWA FALLS	WEBER 00 STRUCTURES AND IMPROVEMENTS 00 RESERVOIRS, DAMS AND WATERWAYS 00 WATERWHEELS, TURBINES AND GENERATORS 00 ACCESSORY ELECTRIC EQUIPMENT 00 MISCELLANEOUS POWER PLANT EQUIPMENT 00 ROADS, RALIROADS AND BRIDGES TOTAL WEBER
		331.00 332.00 333.00 334.00 335.00	331.00 332.00 333.00 334.00 336.00	330.20 330.50 331.00 332.00 333.00 334.00 335.00	331.00 332.00 333.00 334.00 335.00	331.00 332.00 333.00 334.00 336.00	331.00 332.00 333.00 334.00 335.00 336.00



SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

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COMPOSITE REMAINING LIFE (10)	38.0 36.0 35.3 34.1 28.8 35.5	5.0			22.6 20.7 18.2	21.0 22.4 22.0	24.5 22.5 19.4 22.9 24.3 23.9	15.7 14.6 13.5 14.8 15.6	26.6 20.9 24.7 26.3 25.8
ACCRUAL RATE (9)	0.80 2.17 1.32 1.90 2.20 2.02 1.71		3.06		2.89 3.11 4.12	3.14 2.87 2.91 3.68	3.07 3.36 4.35 3.37 3.09 3.11	2.2 2.91 2.3 4.19 3.11 3.96 3.396 3.76	3. 4.35 3.36 3.36 3.36 3.36 3.36 3.36
CALCULATED ANNUAL ACCRUAL ACCRI AMOUNT RAT (8) (9)	6,098 378,889 434,421 270,961 83,465 7,650 40,994 1,222,408	(448,125)	30,467,681		706,877 48,852 8,558,722	2,179,132 1,118,927 94,552 12,707,062	1,354,655 109,184 8,161,180 2,106,343 1,333,185 92,485 13,157,016	389,535 719 4,629,951 1,303,435 280,471 8,253 6,612,364	81,075 10,284,100 2,303,679 1,393,945 75,885 14,148,684
FUTURE ACCRUALS (7)	231,716 13,629,659 15,320,072 9,248,948 2,568,804 220,365 1,465,146 42,684,710	(2,240,624)	647,138,726		15,949,724 1,010,754 155,510,107	45,853,197 25,040,791 2,083,155 245,447,728	33.216.146 2.452.887 158.411.034 48.273.065 32.457.751 2.213.274 2.77.023.537	6,116,954 10,475 62,346,599 19,329,432 4,382,301 129,123 92,314,884	2,154,990 214,974,577 56,841,612 36,620,769 1,961,620 312,553,568
BOOK DEPRECIATION RESERVE (6)	529,864 4,546,518 19,788,357 6,413,990 1,445,274 347,217 696,008	7,752,574	385,490,642		9,225,001 608,855 62,611,415	26,993,477 14,759,519 1,235,310 115,433,576	12.292,110 899,459 40.479,287 17.364,098 11.551,062 817,687 83,403,683	7,664,112 14,746 52,885,346 2,4231,691 5,539,679 83,667 90,219,241	528,939 35,796,448 15,236,686 9,696,019 530,746 61,788,839
ORIGINAL COST (5)	761,579,86 17,77,092,87 32,820,962,09 14,238,998,31 3,786,896,01 5,40,554,21 2,029,390,72 71,655,444,07	•	995,097,430.92		24,441,480.26 1,572,435,80 207,734,782.11	69,377,785,17 39,019,912,06 3,253,397,23 345,399,792,63	44.182,772.35 3.244,103.10 187,632.389.11 62,511,583.67 43,145,885.05 2,971,530.00 343,698,243.28	13,379,675,81 24,726,82 110,607,638,90 41,885,695,14 9,727,432,11 208,617,57 175,833,786,35	2,605,756.31 236,756,438.88 236,576,438.88 68,445,907,765,60 2,443,496,7,755,60 2,443,496,73 355,239,445,48
NET SALVAGE PERCENT (4)	0 (4) (5) (6) (6) (6) (7) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	Ø			(3)	(3)	1 (5)(2)(2)(3)(3)(3)(3)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)	(6) (2) (4) (2) (2) (2) (2) (2) (3) (4) (4) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	  (3) (3) (3) (3)  (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)
SURVIVOR CURVE (3)	SQUARE 125-R1 125-R1.5 95-S0 70-L0 75-R0.5 100-S0.5				70-S2.5 50-R2 40-L0	50-R2.5 70-R3 60-R3	70-S2.5 50-R2 40-L0 50-R2.5 70-R3	70-S2.5 50-R2 40-L0 50-R2.5 70-R3	70-S2.5 40-L0 50-R2.5 70-R3 60-R3
PROBABLE RETIREMENT DATE (2)	12-2058 12-2058 12-2058 12-2058 12-2058 12-2058				12-2043 12-2043 12-2043	12-2043 12-2043 12-2043	12-2045 12-2045 12-2045 12-2045 12-2045 12-2045	12-2036 12-2036 12-2036 12-2036 12-2036 12-2036	12-2047 12-2047 12-2047 12-2047 12-2047
ACCOUNT (1)	YALE 330.20 LAND RIGHTS 331.00 STRUCTURES AND IMPROVEMENTS 332.00 RESERVOIRS. DAMS AND WATERWAYS 333.00 WATERWHEES, TURBINES AND GENERATORS 334.00 ACCESSORY ELECTRIC EQUIPMENT 335.00 MISCELLANEOUS POWER PLANT EQUIPMENT 335.00 ROADS, RAILROADS AND BRIDGES TOTAL YALE	HYDRO DECOMMISSIONING RESERVE	TOTAL HYDRAULIC PRODUCTION	OTHER PRODUCTION PLANT	CHEHALIS 341:00 STRUCTURES AND IMPROVEMENTS 342:00 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 343:00 PRIME MOVERS.		CURRANT CREEK 341.00 STRUCTURES AND IMPROVEMENTS 342.00 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CURRANT CREEK	HERMISTON 341.00 STRUCTURES AND IMPROVEMENTS 342.00 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANTEQUIPMENT TOTAL HERMISTON	LAKE SIDE UNIT 1 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANE SIDE UNIT 1



SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)	33.3 30.0 25.1 31.2 33.1	2	28.2 28.4 25.9 27.1 28.9	28.8 28.9 25.9 28.3	27.4 27.5 24.3 26.2 28.4	27.2 27.5 25.1 26.5 27.9	27.3 27.5 25.0 26.2 28.1
ANNUAL ACCRUAL RATE (9)	2.48 2.66 3.62 2.79 2.57 3.14	3.90 5.27 5.19 4.48 4.19 4.19	2.33 7.72 2.43 5.09	4.94 4.11 5.52 5.01 6.20	2.39 4.26 5.94 2.34 3.02 4.14	2.21 5.83 7.10 3.89 2.33 5.61	2.28 5.47 7.50 2.39 2.54
CALCULATED ANNUAL ACCRUAL ACCRU AMOUNT RAT (8) (9)	2,275,526 224,374 12,509,087 4,287 1,906,341 91,701 21,324,286	166,489 143,735 3,243,341 799,633 123,297 4,476,485	183,643 9,334,602 407,952 311,346 4,684 10,242,227	5,155 2,329,011 148,872 90,476 2,573,514	289,531 20,699,052 906,061 728,609 131,137 22,753,390	122,379 7,378,849 294,308 317,202 4,819 8,117,557	180,251 11,070,426 456,228 366,514 4,079 12,077,488
FUTURE ACCRUALS (7)	75,877,452 6,723,144 313,887,019 133,548,471 64,152,611 2,981,151 597,169,848	1,985,607 1,670,128 3,623,051 9,000,167 1,465,327 50,044,280	5,183,462 265,218,452 10,577,722 8,447,515 135,583 289,562,734	148,293 67,333,738 3,853,416 2,557,526 73,892,973	7,936,283 569,224,049 22,037,442 19,116,330 3,718,616 622,032,720	3,331,064 203,079,851 7,373,906 8,416,993 134,340 222,336,154	4,919,308 304,556,462 11,426,648 9,616,913 114,446 330,633,777
BOOK DEPRECIATION RESERVE (6)	18.742.621 1.953.978 52.135.951 27.537.258 12.833.284 719.291 113,922.382	2,368,088 1,109,491 28,696,744 8,891,993 1,536,575 42,601,891	2.761,481 (88,550,121) (5,185,749) 4,477,770 (86,442,102)	(42,938) (10,087,643) (1,102,990) (734,267) (11,967,838)	4,292,220 (78,169,676) (6,492,883) 12,393,166 624,151 (67,353,022)	2,269,934 (7,5,271,315) (3,147,115) (133,169) 72,583 (76,259,082)	3,051,144 (100,285,880) (5,222,333) 5,877,550 46,270 (96,533,249)
ORIGINAL COST (5)	91 864,148 60 8,424,389,63 345,304,867,83 153,414,980,06 75,476,387,10 3,663,803,56 678,148,376,78	4,268,328,14 2,725,117.01 62,445,432,17 17,835,450,82 2,943,040,53	7,866,280.24 174919,139.84 5,286,248.23 12,797,311.82 190,099.80 201,059,079.33	104,311.55 56,679,301.89 2,696,496,33 1,806,206,74 61,285,316,51	12,107,428.26 468,102,448.26 15,239,764.18 31,197,521.00 4,342,766.88 549,079,928.58	5,545,542.38 126,543,105.11 4,43,912.35 8,152,301.02 206,923.00 144,591,783.86	7,891,536,92 202,248,101.06 6,082,661,55 15,341,052,87 160,716,50 231,724,068,90
NET SALVAGE PERCENT (4)	- - - - - - - - - - - - - - - - - - -	88888 8	££&£0	5505	££&£0	££8£0	££8£0
SURVIVOR CURVE (3)	70-\$2.5 50-R2 40-L0 50-R2.5 70-R3	70-S2.5 50-R2 40-S0 50-R2.5 70-R3	65-R2 55-R2.5 40-S0 60-S0.5	65-R2 55-R2.5 40-S0 60-S0.5	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5	65-R2 55-R2.5 40-S0 60-S0.5 60-R3
PROBABLE RETIREMENT DATE (2)	12-2054 12-2054 12-2054 12-2054 12-2054 12-2054	12-2032 12-2032 12-2032 12-2032 12-2032	12-2050 12-2050 12-2050 12-2050 12-2050	12-2050 12-2050 12-2050 12-2050	12-2049 12-2049 12-2049 12-2049	12-2049 12-2049 12-2049 12-2049 12-2049	12-2049 12-2049 12-2049 12-2049 12-2049
ACCOUNT (1)	LAKE SIDE UNIT 2 34100 STRUCTURES AND IMPROVEMENTS 34200 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANGOUS POWER PLANT EQUIPMENT TOTAL LAKE SIDE UNIT 2	GADBSY PEAKER UNIT 4-6 341.00 STRUCTURES AND IMPROVEMENTS 343.00 FUEL HOLDERS, PRODUCERS AND ACCESSORIES 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL GADBSY PEAKER UNIT 4-6	DUNLAP - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENEATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL DUNLAP - WIND	FOOTE CREEK- WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL FOOTE CREEK - WIND	GLENROCK-WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GLENROCK-WIND	GOODNOE HILLS-WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GOODNOE HILLS-WIND	HIGH PLAINS / MCFADDEN - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL HIGH PLAINS / MCFADDEN - WIND
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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)	27.1 27.2 25.0 25.9 27.9	27.2 27.5 25.0 26.1 27.9	27.3 27.5 25.1 26.1 28.0	28.0 28.0 28.0 29.5 5	28.0 28.0 28.0 29.5	28.0 28.0 29.5 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20	0
REM.							
ACCRUAL RATE (9)	2.00 9.48 9.48 2.43 4.77	2.06 6.72 6.72 7.72 7.73 7.74 7.84 8.44	2.28 7.23 7.40 2.36 5.00	6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	4.11
CALCULATED ANNUAL ACCRUAL ACCRUAL AMOUNT (8) (9)	100,728 5,632,051 255,458 21,902 2,887 6,202,996	213,856 15,616,140 818,505 464,030 9,319 17,121,850	146,730 9,981,807 425,609 331,055 23,263 10,908,464	610,172 17,963,869 683,837 1,032,078 98,640 20,388,596	331,948 9,772,710 368,313 561,469 53,668 11,088,108	295,088 8,687,580 330,713 499,127 48,189 9,860,697	228 0 0 0 228
FUTURE ACCRUALS (7)	2,727,181 153,245,211 6,381,943 5,488,304 79,778	5,811,919 429,555,093 20,428,053 12,090,922 259,798 468,155,785	3,998,606 274,270,823 10,661,445 8,655,714 662,172 298,238,860	17,609,554 519,874,382 17,800,278 29,335,262 2,908,904 587,576,380	9,580,027 282,822,213 9,587,193 1,596,027 1,596,027 1,582,656 319,557,116	8,516,228 251,418,558 8,608,464 14,210,158 1,421,087 284,174,495	1,595 (13,985) (21,296) (10,935) (44,621)
BOOK DEPRECIATION RESERVE (6)	2,381,335 (38,590,306) (3,633,381) 3,414,461 40,448 (36,407,443)	4,668,296 (112,714,272) (8,008,035) 4,999,051 156,321 (110,928,639)	2,494,484 (81,410,099) (4,796,657) 5,519,547 264,650 (77,928,075)	309,593 8,40,463 296,287 481,984 48,061 9,876,378	166,746 4,707,596 159,580 259,595 25,880 5,319,397	149,724 4,227,011 143,289 233,094 23,238 4,776,356	3,951 50,374 76,383 67,257 197,965
ORIGINAL COST (5)	5,038,134,31 113,519,708.35 2,894,688,97 8,738,004,71 119,035,73 130,109,552.07	10,376,450.87 313,713,684,58 11,776,487,78 16,725,493.99 416,118,68 353,408,205.90	6,428,801.85 190,951.211.65 5,749,890.28 14,034,912.20 916,821.77 218,081,637.75	17,741,730.00 523,381,035.00 17,741,730.00 29,569,560.00 2,956,955.00 591,391,000.00	9,555,660.00 281,891,970.00 9,555,660.00 15,296,100.00 1,592,610.00 318,522,000.00	8,580,150.00 253,114,425.00 8,580,150.00 14,300,250.00 1,430,025.00 286,005,000.00	5,545,93 36,389.01 55,086,78 56,321,97
NET SALVAGE PERCENT (4)	98999	(2) (3) (3) (3) (4) (4) (4)	£ £ £ 6 £ 0	£ £ 8 £ 0	(3) (3) (5) (5) (5) (7)	E	0000
SURVIVOR CURVE (3)	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	65-R2 55-R2.5 40-S0 60-S0.5 60-R3	SQUARE SQUARE SQUARE 50-R2.5
PROBABLE RETIREMENT DATE (2)	12-2049 12-2049 12-2049 12-2049 12-2049	12-2049 12-2049 12-2049 12-2049 12-2049	12-2049 12-2049 12-2049 12-2049 12-2049	12-2050 12-2050 12-2050 12-2050 12-2050	12-2060 12-2050 12-2050 12-2050 12-2050	12-2060 12-2050 12-2050 12-2050 12-2050	12-2027 12-2014 12-2014 12-2015
ACCOUNT (1)	LEANING JUNIPER - WIND 341:00 STRUCTURES AND IMPROVEMENTS 343:00 PRIME MOVERS 344:00 GENERATORS 345:00 ACCESSORY ELECTRIC EQUIPMENT 346:00 MISCELLANDUS POWER PLANT EQUIPMENT TOTAL LEANING JUNIPER - WIND	MARENGO - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL MARENGO - WIND	SEVEN MILE HILL - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 346.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL SEVEN MILE HILL - WIND	TB FLATS - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL TB FLATS - WIND	EKOLA FLATS - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL EKOLA FLATS - WIND	CEDAR SPRINGS - WIND 341.00 STRUCTURES AND IMPROVEMENTS 343.00 PRIME MOVERS 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL CEDAR SPRINGS - WIND	SOLAR GENERATING 344.00 GENERATORS - ATLANTIC CITY 344.00 GENERATORS - GREEN RIVER 344.00 GENERATORS - OREGON HIGH DESERT TOTAL SOLAR GENERATING
	<u> </u>				<u> </u>	ппппп	<u> </u>

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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)	35.9 39.4					64.5	58.2	57.0	47.9	50.0 40.4	40.4	8.1.4		37.5	53.0	40.6	43.2	49.7	43.0	31.1	44.4	14.4	31.3	
ACCRUAL RATE (9)	1.43 1.64 1.54	4.02			4.89	1.22	1.56	1.54	2.46	2.02 1.61	1.68	1.36 0.1		1.35	1.63	2.15	2.46	2.00	2.10	2.58	2.19	3.98	2.60	2.57
CALCULATED ANNUAL ACCRUAL ACCRI AMOUNT RAT (8) (9)	12,019 13,934 25,953	203,786,985		203,786,985	653,367,098	2,740,305	4,471,687	25,209,356	30,098,544	56,323	133,629	139,796,277		72.636	607,162	6,254,671	6.949.370	2,034,675	4,251,699	12,548,312 2 431 863	4,806,166	2,638,890	116,045	57,702,243
FUTURE ACCRUALS (7)	431,378 549,133 980,511	5,239,583,146		5,239,583,146	10,228,877,385	176,857,501	260,095,209	1,436,074,075	1,441,805,713	1,388,301,892	5,401,170	7,043,594,005		2.720.393	32,206,810	253,908,175	300.513.705	101,220,640	182,739,819	389,785,174	213,212,901	37,966,482	1,862,313	2,225,371,346
BOOK DEPRECIATION RESERVE (6)	408,303 300,093 708,395	(35,571,345)	351	(35,570,994)	3,691,686,426	47,912,523	56,218,633	363,972,482	392,357,836	1.218.633	2,935,900	1,926,201,782		2.659.086	8,825,926	94,480,978	151.273.185	51,241,607	90,914,145	39 207 084	93,711,622	30,302,906	1,814,089	1,071,406,840
ORIGINAL COST (5)	839,680.12 849,226.01 1,688,906.13	5,075,636,836.51	1,756,736.02 28,061,442.32 2,891,146.49	5,108,346,161.34	13,363,281,147.12	224,770,024.49	287,558,037.92	1,636,405,961.74	1,222,775,699.39	3,495,373,35	7,940,066.09	7,375,554,754.55		5.379.479.35	37,302,486.87	290,324,293.99	282.366.805.95	101,641,497.76	202,706,639.67	487,231,750.25	219,231,802.42	66,280,959.57	2,450,934.88	2,243,678,193.87
NET SALVAGE PERCENT (4)	00		,	'		0	(10)	(1)	(20)	(35) 0	(2)	, >		0	(10)	(20)	(60)	(20)	(35)	(30)	(40)	(3)	(20)	ì
SURVIVOR CURVE (3)	50-R2.5 50-R2.5					80-R4	70-R3	70-R4	60-R2	60-S2.5	60-82.5	/0-K5		60-82.5	65-R2	53-R1	60-R1	70-R3	60-R2.5	46-K1.5 55-R1	60-R4	20-83	27-LU 45-R1	<u>.</u>
PROBABLE RETIREMENT DATE (2)																								
ACCOUNT (1)	MOBILE GENERATORS 344.00 EAST SIDE MOBILE GENERATOR 344.00 WEST SIDE MOBILE GENERATOR TOTAL MOBILE GENERATORS	TOTAL DEPRECIABLE OTHER PRODUCTION	340.30 WATER RIGHTS - CHEHALIS 340.30 WATER RIGHTS - LAKESIDE 340.30 WATER RIGHTS - CURRANT CREEK	TOTAL OTHER PRODUCTION	TOTAL PRODUCTION PLANT	=	352.00 STRUCTURES AND IMPROVEMENTS		355.00 POLES AND FIXTURES			359:00 KOADS AND IKAILS TOTAL TRANSMISSION PLANT	DISTRIBUTION PLANT	OREGON - DISTRIBUTION 360.20 LAND RIGHTS		362.00 STATION EQUIPMENT		_		368.00 LINE IKANSFOKMEKS			373 OO STREET IGHTING AND SIGNAL SYSTEMS	

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SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE
AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)	37.4 47.1 42.1 39.4 42.8 42.8 45.1 10.5 10.5 10.5	32.3 51.9 40.4 40.4 42.8 45.6 29.0 29.0 27.8 45.0 35.7 10.5	33.2 41.2 39.1 40.2 44.9 37.7 35.0 37.3 40.2 41.1 12.8 13.7
ACCRUAL RATE (9)	167 1.11 2.25 2.25 2.23 2.23 2.23 2.23 2.24 4.22 4.23 4.23	1 85 1 165 1 193 2 2 43 2 2 61 2 3 10 2 3 50 2 3 53 2 3 53 2 7 3	2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
CALCULATED ANNUAL ACCRUAL ACCRU AMOUNT RATE (8) (9)	8,089 96,211 1,839,484 3,876,204 2,000,197 450,001,197 450,5186 7,11,651 2,981,546 5,391,746 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,122,765 1,1	119,723 314,652 2,789,748 5,975,738 2,783,407 895,840 1,729,215 4,102,98 4,102,98 4,102,98 4,102,98 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,102,78 4,	14,225 99,965 781461 2,510,013 881,314 431,280 509,836 1,429,293 229,072 425,035 172,647 172,647 1,762 33,158
FUTURE ACCRUALS (7)	302.848 4,609.595 77,442.458 152.864.094 85,585.767 16,245.773.904 24,477.330 42,825.609 6,904.968 244.454 4,551.020	3.862.455 16.360.385 112.638.572 225,749,508 177.264,506 29,322.139 50,190,973 114,005,984 21,266.884 54,002.281 87.09.251 576.687 10,705.645 804,685,916	471,776 4,119,331 30,527,938 100,967,909 38,191,060 16,265,132 17,866,249 17,866,249 12,035,297 12,035,297 17,486,349 17,42,16 174,216 174,216 174,216 2,215,014 174,216
BOOK DEPRECIATION RESERVE (6)	180,097 1,290,621 24,845,881 71,205,830 40,263,767 10,426,699 13,574,350 60,299,769 9,220,789 9,220,789 2,1,881,165 6,049,319 355,881,414 2,088,3414	2 605 799 4,597,432 46,362,624 84,709,573 45,497,391 13,004,526 57,859,127 7,848,127 7,548,522 823,053,888 7,548,522 822,053,888 7,548,522 822,053,888 7,548,522 822,266 334,679,345	670,047 1,547,711 9,936,233 42,976,703 20,064,130 11,463,821 12,154,487 29,283,603 4,907,346 9,067,656 1,566,637 202,179 451,488
ORIGINAL COST (5)	482,944,94 5,619,253,47 81,830,271,30 112,034,961,77 702,244,89 19,051,578,91 30,591,299,20 115,276,977 43,137,842,86 12,576,977,97 42,493,00 4,742,442,68 526,113,489,95	6.468.254.03 19.043.469.73 144.546.453.56 170.229.540.34 116.82.281 13.53.085.51 66.195.369.75 175.03.931.18 27.540.348.32 49.773.657.34 10.770.933.67 783.969,877.82	1,141,823,13 5,152,402.27 22,371,336,98 71,972,305,80 36,409,493,79 19,116,19,23 21,436,221,82 58,956,428,25 11,295,095,47 17,701,997,37 3671,506,02 250,929,78 850,635,87 280,326,705,87
NET SALVAGE PERCENT (4)	0 (5) (25) (60) (60) (60) (60) (60) (60) (60) (60	0 (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100) (100	(100) (25) (25) (26) (40) (40) (40) (40) (50) (50) (50) (50) (60) (60) (60) (60) (60) (60) (60) (6
SURVIVOR CURVE (3)	55-R3 60-R2 54-R1 55-R15 56-R15 55-R3 55-R3 66-R1 65-R4 55-R4 66-R1 65-R4 55-R3 30-L0	50-S4 65-R2.5 55-R1 66-R0.5 66-R0.5 45-R2.5 46-R3 60-R1.5 50-R3 30-O1	66-R4 56-R2.5 50-R1.5 66-R1 60-R4 56-R3 56-R3 56-R1.5 60-R4 56-R1.5 60-R3 20-S3
PROBABLE RETIREMENT DATE (2)			
ACCOUNT (1)	360.20 LAND RIGHTS 360.20 LAND RIGHTS 360.20 LAND RIGHTS 360.00 STRUCTURES AND IMPROVEMENTS 362.00 STATION EQUIPMENT 364.00 POLES, TOWERS AND FIXTURES 365.00 OVERHEAD CONDUCTORS AND DEVICES 366.00 UNDERGROUND CONDUCTORS AND DEVICES 368.00 UNDERGROUND CONDUCTORS AND DEVICES 368.00 UNDERGROUND SERVICES 369.20 UNDERGROUND SERVICES 377.00 METRET 377.00 METRET ATTONS ON CUSTOMER PREMISES 377.00 INSTALLATIONS ON CUSTOMER PREMISES	360.20 LAND RIGHTS 360.20 LAND RIGHTS 361.00 STRUCTURES AND IMPROVEMENTS 362.00 STATION EQUIPMENT 364.00 POLES, TOWERS AND FIXTURES 365.00 OVERHEAD CONDUCTORS AND DEVICES 366.00 UNDERGROUND CONDUCTORS AND DEVICES 368.00 LINE TRANSPORMERS 369.10 UNDERGROUND SERVICES 369.20 UNDERGROUND SERVICES 371.00 METRER 377.100 INSTALLATIONS ON CUSTOMER PREMISES 373.00 STREET LIGHTING AND SIGNAL SYSTEMS TOTAL WYOMING - DISTRIBUTION	360.20 LAND RIGHTS 360.20 LAND RIGHTS 36.100 STRUCTRES AND IMPROVEMENTS 36.100 TATION EQUIPMENT 36.400 POLES, TOWERS AND FIXTURES 365.00 OVERHEAD CONDUCTORS AND DEVICES 365.00 UNDERGROUND CONDUCTORS AND DEVICES 366.00 UNDERGROUND CONDUCTORS AND DEVICES 368.00 LINE TRANSFORMERS 369.10 OVERHEAD SERVICES 369.20 UNDERGROUND SERVICES 369.20 UNDERGROUND SERVICES 377.00 METERS 377.00 METERS 377.00 TREET LIGHTING AND SIGNAL SYSTEMS TOTAL CALIFORNIA - DISTRIBUTION



PACIFICORP

SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

COMPOSITE REMAINING LIFE (10)	47.6 47.6 47.6 47.6 47.8 47.8 47.8 47.8 47.6 47.6 47.6 47.6 47.6 47.6 47.6 47.6	4 4 1.2 4 4 1.9 4 0.7 4 0.3 4 0.3 7 4 1.7 7 13.3 1 13.3	39.5 6.1.7 7.9 7.9 8.8 8.8 7.1.4 7.1.4 7.1.5 6.0.1
ACCRUAL RATE (9)	156 187 187 2.33 3.75 2.46 2.42 2.38 2.42 2.42 2.43 6.49 6.63 5.50	153 1.51 1.97 2.35 2.22 2.22 2.24 2.24 2.24 2.24 2.24 2.2	7 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3
CALCULATED ANNUAL ACCRUAL ACCRU AMOUNT RAT (8) (9)	185,781 1,055,346 11,492,106 16,071,953 6,565,1293 6,666,514 11,972,149 14,413,463 8,891,993 8,459,240 2,459,240 2,459,240 2,459,240 1,154,915 1,154,915	22,203 35,900 778,788 3,769,586 977,403 2521,366 1,985,671 1,107,147 676,547 676,547 676,547 676,547 676,547	1,798,126 566,337 72,564 95,362 1,132,210 1,268,285 <b>5,372,904</b> 272,053 47,389 161,319 161,319 161,439 230,136 248,041 975,067
FUTURE ACCRUALS (7)	8,835,386 48,300,931 424,814,633 632,228,868 271,534,387 245,321,004 512,184,952 512,184,962 512,184,962 512,184,962 512,184,580 368,176,809 55,825,675 3,014,088 15,424,943 3,098,170,256	914,815 1,737,237 32,634,086 153,466,223 39,386,855 11,514,028 21,718,259 67,993,83 46,992,410 92,295,837 92,281 501,008	71,036,595 3,466,760 3,466,760 1,871,778 6,264,631 11,189,755 99,447,086 5,822,001 3,47,370 1,766,861 3,24,627 1,244,292 1,786,356
BOOK DEPRECIATION RESERVE (6)	3,103,512 13,599,647 142,573,246 161,108,816 81,1108,816 81,718,246 207,639,227 155,044,530 37,390,716 2,7390,716 1,1873,634 1,012,007,288	535,008 760,479 12,769,225 41,752,606 16,736,012 4,421,939 12,673,418 32,303,380 17,431,557 7,319,922 17,431,557 7,319,922 147,225,985	28,154,242 4,455,166 6,012,572 1,289,106 4,684,430 9,532,282 54,127,768 8,531,525 1,120,187 2,460,908 3,120,573 3,120,572
ORIGINAL COST (5)	11,938,888,45 56,556,070.86 493,380,744.66 428,831,160.30 251,820,232.20 228,620,172.37 569,653,482.87 606,828,103.77 367,554,876.01 367,564,876.01 3627,206.50 20,998,906.26 3,160,310,243.87	1,449,822.57 2,378,177.35 39,461,139,56 102,788,887,38 41,559,160.54 11,382,847.54 22,905,806.36 91,42,683,52 49,226,118,79 16,131,804.76 144,786.37 754,806.61	86,252,902.12 8,802,140.35 1,292.376.79 3,512,093.49 12,165,623,66 24,378,831.84 148,033,968.25 1,5048,659.68 1,630,618.64 4,697,409.96 7703,892.07 2,425,308.39 6,311,534.42
NET SALVAGE PERCENT (4)	0 (10) (10) (10) (10) (10) (10) (10) (10	(5) (6) (7) (8) (8) (8) (8) (10) (10) (10) (10) (10) (10) (10) (10	(15) 10 10 10 10 10 10 10 10 10 10 10 10 10
SURVIVOR CURVE (3)	65-R4 60-R2 50-S0 50-R0 50-R0.5 60-R2.5 60-R2.5 60-R2.5 70-R3 20-R3 20-R3 25-R0 25-R0	60-R4 65-R3 55-R1.5 50-R0.5 60-R2.5 60-R2.5 60-R2.5 77-R1 55-R3 20-S3 25-L0 25-R0.5	55-R1.5 13-S2 16-S2 33-S1 10-S3 16-L1 40-S3 14-S2 19-S1 33-30.5 10-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,5 16-S2,
PROBABLE RETIREMENT DATE (2)			
ACCOUNT (1)	UTAH - DISTRIBUTION 360.20 LAND RIGHTS 361.00 STRUCTURES AND IMPROVEMENTS 362.00 STRUCTURES AND IMPROVEMENTS 363.00 OVERHEAD CONDUCTORS AND DEVICES 366.00 UNDERGROUND CONDUCT 360.00 UNDERGROUND CONDUCTORS AND DEVICES 360.00 LINE TRANSFORMERS 360.00 LINE TRANSFORMERS 360.00 SERVICES 370.00 METERS 371.00 INSTALLATIONS ON CUSTOMER PREMISES 371.00 INSTALLATIONS ON SIGNAL SYSTEMS TOTAL UTAH - DISTRIBUTION	10AHO - DISTRIBUTION 360.20 LAND RICHTS 362.00 STRUCTURES AND MPROVEMENTS 384.00 POLES, TOWERS AND EXTURES 366.00 OVERHEAD CONDUCTORS AND DEVICES 366.00 UNDERGROUND CONDUIT 387.00 LINE TRANSFORMERS 386.00 LINE TRANSFORMERS 386.00 LINE TRANSFORMERS 386.00 LINE TRANSFORMERS 370.00 METERS 371.00 INSTALLATIONS ON CUSTOMER PREMISES 373.00 STREET LIGHTING AND SIGNAL SYSTEMS TOTAL IDAHO - DISTRIBUTION	GENERAL PLANT  OREGON - GENERAL 390.00 STRUCTURES AND IMPROVEMENTS 392.01 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS AND VANS 392.01 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 392.05 TRANSPORTATION EQUIPMENT - TRAILERS 392.09 TRANSPORTATION EQUIPMENT - TRAILERS 396.07 HEAVY POWER OPERATED EQUIPMENT TOTAL OREGON - GENERAL 390.00 STRUCTURES AND IMPROVEMENTS 392.01 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 392.01 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 392.09 TRANSPORTATION EQUIPMENT - TRAILERS 392.09 TRANSPORTATION EQUIPMENT - TRAILERS 392.01 GHT POWER OPERATED EQUIPMENT 396.07 HEAVY POWER OPERATED EQUIPMENT TOTAL WASHINGTON - GENERAL



PACIFICORP

SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2020

Í	Gan	ın	ott	E		_	in								A	۱-٬	19															F	
	MILOOOK	ACCOUNT (1)			392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 392.09 TRANSPORTATION EQUIPMENT - TRAILERS		396.07 HEAVY POWER OPERATED EQUIPMENT TOTAL WYOMING - GENERAL			392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS	_	396.07 HEAVY POWER OPERATED EQUIPMENT TOTAL CALIFORNIA - GENERAL	UTAH - GENERAL	389.20 LAND RIGHTS 390.00 STRUCTURES AND IMPROVEMENTS		392.30 TRANSPORTATION EQUIPMENT - AIRCRAFT 392.05 TRANSPORTATION FOLIPMENT - MEDILIM TRICKS		396.03 LIGHT POWER OPERATED EQUIPMENT			390.00 STRUCTURES AND IMPROVEMENTS	-	392.05 TRANSPORTATION EQUIPMENT - MEDIUM TRUCKS 392.09 TRANSPORTATION FOLIPMENT - TRAILERS		396.07 HEAVY POWER OPERALED EQUIPMENT TOTAL IDAHO - GENERAL	ARIZONA, COLORADO AND MONTANA - GENERAL			HEAW	TOTAL ARIZONA, COLORADO AND MONTANA - GENERAL	TOTAL GENERAL PLANT	TOTAL ELECTRIC PLANT	
	PROBABLE RETIREMENT	(2)																												RAL			
	SURVIVOR	(3)	55-R4	50-R2 14-S1.5	16-L2 35-S2.5	6-83	15-L0	0	60-R2 13-S2	17-L2 35-S2	9-84	15-L2		50-R1	13-L2.5	10-SQ 17-1 2	30-S1	10-L3	4-F0	0	60-R3	13-S1.5	35-S1	9-82	18-L1	7 0 0	17-R2.5	19-R2 25-S1.5	25-R2.5				
	NET SALVAGE	(4)	0	(20) 10	വവ	10	50	Ó	10 (20)	۲ و	o 6	15		0 (20)	10	20	o 6	9 9	N 1	c	(10)	10	0 12	10	10	I ű	(S)	0 c	10	l	I	•	
	ORIGINAL	(5)	74,246.25	18,886,379.16 4,665,154.66	8,132,343.18 3,813,731.52	4,408,343.90	39,289,376.25 <b>79,269,574.92</b>	0000	3,409,180.30	997,850.09	1,447,080.32	2,265,611.14 9,804,381.15		82,178.45	15,949,392.03	1,860,982.02	8,667,451.89	16,130,776.96	217,030,964.60	0 0	14.703.730.67	3,064,130.88	5,130,363.46	3,082,615.23	35,317,441.58	T1 3F3 C3C	409,795.59	236,400.22 6,433.26	1,943,962.83	2,960,268.37	521,234,022.03	28,640,915,066.54	
	BOOK DEPRECIATION	(6)	17,756	4,088,432 1,592,334	2,648,282 1,334,364	1,459,556	7,418,599	0.00	951,281 315,768	476,337	390,744	1,107,338		24,382 34.009.708	5,401,763	577,936 8 386 036	2,740,013	4,677,769	70,132,702	000	5.786.290	853,696	1,398,557	1,018,822	2,312,782	050 000	263,929	5,430	1,055,542	1,694,245	176,152,197	8,765,333,336	
	FUTURE	ACCRUALS (7)	56,490	18,575,223 2,606,305	5,077,444 2,288,681	2,507,954	24,012,902 <b>55,124,999</b>	6	3,211,743 724,876	421,728	911,628	818,431 <b>6,342,620</b>		57,736	8,952,690	910,850	5,060,694	9,839,930	150,073,826	200	10.387.814	1,904,022	3,218,770	1,755,532	4,695,013 22,893,173	703 004	125,927	83,829	694,025	1,033,861	346,695,921	24,955,272,215	
	CALCULATED ANNUAL ACCRUAL AMOUNT	(8)	1,396	482,109 409,803	558,028 117,082	656,536	2,278,266 <b>4,503,220</b>	0000	69,083 99,760	53,021	176,663	126,665		1,684	1,423,417	115,964	300,430	1,702,272	10,783,637	7	270.524	267,460	37.747	368,440	419,526 1,629,800	0000	15,634	8,263	51,738	82,133	24,084,498	1,012,074,696	
	ANNUAL ACCRUAL BATE	(9)	1.88	2.55 8.78	6.86 3.07	14.89	5.80 <b>5.68</b>	6	1.99 8.63	5.31	12.21	5.59 <b>5.48</b>		2.05	8.92	6.23	3.47	10.55	4.97	,	1.84	8.73	5.19 2.44	11.95	5.39 <b>4.61</b>	, t	3.82	3.50 1.65	2.66	2.77	4.62	3.53	
	COMPOSITE REMAINING	(10)	40.5	38.5	9.1	3.8	10.5	0	7.3	8.0	5.2	6.5		34.3	6.3	7.9	16.8	2.8	0.0	Ċ	38.4	7.1	12.1 24.6	8.4	11.2	c c	8.0	1.01	13.4				



a Estimated decommissioning costs are \$5,511,950

	ESTIMATED NET SALVAGE (%) (13)		4.0.0.4.4.4.		(2) (8) (2) (8)	(9)		<u>ଅଷ୍ଟରେ</u>	<u> </u>	500550	
	TOTAL RETIREMENTS (12)		65,988,086 332,618,403 65,129,699 68,028,169 3,846,150 535,610,507	535,610,507	65 404 494 127,271,436 41,173,954 9,358,028 426,938	243,584,851		11,538,302 31,604,822 12,466,321 6,930,828 235,237 62,775,511	11,578,698 73,065,432 12,767,870 10,118,403 107,530,402	17,046,153 34,214,285 4,562,678 2,980,703 920,665 59,724,474	230.030.387
	TOTAL NET SALVAGE (\$) (11)		2,791,630 15,772,343 2,997,627 2,838,408 154,835 23,954,843	23,954,843	3,893,756 8,331,150 2,561,518 550,453 23,337	15,400,214		163,276 587,004 200,910 91,078 3,097 1,045,366	181,259 1,212,841 220,517 131,610 1,746,227	231,266 634,020 90,137 40,331 12,910 1,009,264	3.800.857
	NET SALVAGE (\$) (10)		224,592 2,556,043 589,562 201,230 16,416	3,626,843	397,645 1,806,222 422,183 47,016 2,148	2,715,214		58,651 309,770 91,552 28,461 1,137 489,571	76,820 564,946 109,480 40,129 791,374	76,382 333,825 51,200 14,087 5,417	1.761.857
	INTERIM RETIREMENTS  NET SALVAGE (%) (9)		(20) (20) (5)		(30) (20) (20) (5)			(30) (20) (20) (5)	(30) (20) (20)	(30) (20) (20) (5)	
OF DECEMBER 31, 2020	INTERI RETIREMENTS N (\$)		748, 640 12,975,216 3,930,410 1,006,149 328,324 18,988,739	18,988,739	1,225,482 9,031,110 3,081,220 235,081 42,964	13,715,858		195,504 1,548,852 610,346 142,304 22,738 2,519,743	256,067 2,824,728 729,864 200,645 4,011,304	254,607 1,669,127 341,331 70,437 108,342 2,443,843	8.974.891
ENERATION PLANT AS	NET SALVAGE (%) (7)		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		<u> </u>			£22233	55555	<u> </u>	
VAGE PERCENT FOR G	NET SALVAGE (\$) (6)		2,567,038 12,577,300 2,408,066 2,637,178 138,419 20,328,000	20,328,000	3.536,111 6,524,928 2,099,335 503,437 21,189	12,685,000		104,625 277,234 109,359 62,617 1,960 555,795	104,439 647,895 111,038 91,481 954,853	154,884 300,194 38,937 26,844 7,493 528,352	2.039.000
TED NET SAL	S / kW (5)			51.46		85.71		I	ı	11	12.37
CALCULATION OF WEIGHTED NET SALVAGE FERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2020	TERMINAL RETIREMENTS  MW (PACIFICORP SHARE) \$ / kW  (4) (5)			395		148					165
	MW (3)		446 22 26 68	89	26 28 47 74	93		98 70 76 67	931 977	258 868 313 31	96
	RETIREMENTS (\$)		65, 239, 446 319, 643, 187 61, 199, 288 67, 702, 703 3, 517, 208 516, 203	516,621,768	64 079 012 118,240,326 38,042,734 9,122,947 383,974	229,868,993		11,342,798 30,055,970 11,856,976 6,788,524 212,499 60,255,767	11,322,631 70,240,704 12,038,005 9,917,758 103,519,097	16,791,546 32,545,188 4,221,348 2,910,286 812,318	221.055.496
	ACCOUNT (1)	STEAM PRODUCTION PLANT CHOLLA GENERATING STATION	CHOLLALINIT 4 31.00 STRACT/RES AND MPROVENENTS 31.00 BOLEE TAVAIR EQUIPMENT 31.40 THOROGENERAT KOUNTS 31.60 ACCESSORY ELECTRG EQUEMENT 31.60 MISCELLAREOUS PROVER PLANT EQUIPMENT TOTAL CHOLLA UNIT 4	TOTAL CHOLLA GENERATING STATION COL STRIB GENERATING STATION	COLSTIPLE GENERALING STATION 31.100 STRUCTURES AND IMPROVEMENTS 31.200 BOLDER PLANTE COUNTRY 31.300 TURBOGENERAL OF STRUCTURE OF STRUCTURE OF STRUCTURE OF STRUCTURE COUNTRY 31.500 MISCELLANDEOUS POWER EAANT EQUIPMENT 31.500 MISCELLANDEOUS POWER EAANT EQUIPMENT	TOTAL COLSTRIP GENERATING STATION	CRAIG GENERATING STATION	3110 CRACLAULTI 3110 CRACLAULTI 31200 BOLDERPLANT EQUIMMENT 31400 THOROSCHENDENCON IN DEPARTMENT 31500 ACCESSOR ELECTRE EQUIMMENT 316.00 MISCELLANEOU SPONTS PLANT EQUIMMENT TOTAL CRACLAURT TOTAL CRACLAURT	GRAIG UNITZ 31.00 STRUCTURES AND IMPROVEMENTS 31.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNITS 315.00 ACCESSORY ELECTRE EQUIPMENT TOTAL CRAIG UNITZ	3110 CRAG COMMON 3110 CRAG COMPONENT 3120 BULLE PRANT CUMPENT 31400 TURBOGENER TORN UNITS 31500 ACCESSORY ELECTRIC EQUIPMENT 31600 MISCELLAREOUS POWER PLANT EQUIPMENT TOTAL CRAGO COMMON	TOTAL CRAIG GENERATING STATION



		TOTAL RETIREMENTS (12)		1,005,968 55,795,066 10,983,269 2,773,053 2,531 70,559,886	857,358 57,741,699 16,635,008 3,715,364 78,949,429	18,898,492 228,628,730 24,429,123 15,138,943 227,813 288,323,102	15,111,547 230,782,130 39,900,883 14,303,097 569,812 300,667,468	130,354,540 149,641,123 11,893,677 27,894,887 7,377,701 327,161,927	1,065,661,812	1,467,302 9,990,910 4,997,906 1,356,214 18,932	17,831,263	1,356,102 13,328,865 5,817,836 1,362,552 11,330 21,876,654	1,458,585 13,480,589 7,521,148 2,470,687 24,973,677
	TOTAL	NET SALVAGE (\$) (11)		28,477 2,033,521 421,845 95,385 172 2,579,301	23,946 2,100,010 612,273 116,942 2,853,171	534,492 7,628,144 887,252 428,116 6,438 9,484,442	423,436 7,672,008 1,420,989 409,086 16,053	3,792,783 4,990,170 377,092 744,528 205,756	34,978,816	212,564 1,442,497 697,524 193,463	2,547,989	196,957 1,928,269 1811,272 195,992 1,166 3,133,655	210.012 1,949,804 1,041,844 344,543 4,375 3,550,577
	NTS	NET SALVAGE (\$) (10)		2,984 694,284 169,679 27,990 27,990 894,957	2,188 713,394 224,866 25,052 965,507	55,517 2,007,671 315,883 46,594 1,243 2,426,908	40,071 2,024,119 481,954 491,954 49,305 3,010 2,598,459	498,889 1,330,315 87,622 46,502 34,669 1,997,997	8,883,816	28 099 306,878 251,668 34,509 356	621,512	26,879 421,078 286,427 39,627 211 774,221	25.598 424.611 303.178 38.825 756 792,967
	M RETIREME!	NET SALVAGE (%) (9)		(30) (20) (20) (20) (5)	(30) (20) (20)	(30) (20) (5) (5)	(30) (20) (20) (20)	(a) (a) (b) (a) (b) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		(30) (15) (5) (20)		(30) (20) (20) (20)	(5) (2) (3) (2) (3) (4) (5) (6) (6) (7) (7)
PACHICORD PAOPO PAOPO PAOPO DANO CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2020	INTERI	RETIREMENTS NI (\$) (8)		9,947 3,471,420 1,131,193 193,551 286 4,752,797	7,295 3,566,972 1,499,104 125,262 5,196,633	165,055 10,038,356 2,105,889 222,970 24,859 12,587,129	133,571 10,120,596 3,213,027 246,523 60,192 13,773,908	1,682,964 6,651,776 58,1,44 22,512 693,377 9,824,572	46,137,039	93 664 1,534,392 1,677,790 1,77,546 7,126	3,485,518	89,597 2,105,388 1,906,513 198,136 4,215 4,306,848	85.328 2.123,053 2.021.184 194,125 15,118 4,438,808
IDAHO ENERATION PLANT AS		NET SALVAGE (%) (7)		ପ୍ରତିପ୍ରତିପ୍ର	ଉତ୍ତିକ୍ତ	ଚିତିତିତିତି	ଚ୍ଚିତ୍ରତିହ	ଚିତ୍ରିତ୍ରି		99999 99999	(13)	999999	3333333 3333333
PACIFICORP UTAH, WYOMING AND I ALVAGE PERCENT FOR GE		NET SALVAGE (\$) (6)		25,493 1,339,237 252,166 67,395 1,684,349	21,758 1,386,616 387,407 91,890 1,890 1,887,671	478,975 5,620,472 57,1369 381,522 5,195 7,057,533	383,365 5,447,889 999,035 359,782 13,044 7,343,115	3,293,894 3,659,854 289,470 708,025 171,087 8,122,332	26,095,000	184,485 1,135,618 445,885 158,984 1,585	1,926,478	170,078 1,507,191 524,845 156,394 2,389,434	184,414 1,525,194 738,666 305,718 3,619 2,757,610
HTED NET SA	TIREMENTS	\$ / kW (5)		·	·	·	·		34.56			·	·
CALCULATION OF WEIG	TERMINAL RETIREMENTS	(PACIFICORP SHARE)							755				
		(3)		0 2-025	884-19	r 4 4 4 4 8	9494 <u>-</u>  0	242370	8	8 2 9 2 9	5	949282	90233
		RETIREMENTS (\$) (2)		996,022 57,323,645 9,852,076 2,833,101 2,833,101 65,807,090	850,063 54,174,728 15,135,904 3,590,101 73,756,796	18,713,437 21,959,374 22,323,234 14,905,574 202,954 275,735,973	14.977.976 220.661.534 36.887.856 14.056.574 2509.627 286.893.560	128 691 576 142,989,547 11,309,533 27,662,375 6,684,324 317,337,365	1,019,524,773	1,373,638 8,456,517 9,320,116 1,183,667 11,806	14,345,745	1,286,505 11,223,478 3,908,322 1,164,386 7,114 77,145	1,373,287 11,387,536 5,500,563 2,276,592 26,590 20,534,869
		ACCOUNT (1)	DAVE JOHNSTON GENERATING STATION	11100 STRUCTURES AND IMPROVEMENTS 31100 STRUCTURES AND IMPROVEMENTS 31200 BOLDER P LANT EXIDIDATES 31400 TURBOGENER/ORUNINS 315.00 MISCELLARED/ORUNE PLANT EXDIPMENT 316.00 MISCELLARED/ORUNINS TOTAL DAVE CAPHET SOURINS TOTAL DAVE CAPHET INTIL	DAVE JOHNSTON IUNIT 2 311.00 TROCUTERES AND IMPROVAMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOGENERATOR IUNITS 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL DAVE JOHNSTON UNIT 2	DAVE CONSTRUCTION INITS 31100 STRUCTIONES AND INITRODEMENTS 31200 TRUCTIONES AND INITRODEMENTS 31200 TRUCTIONES AND INITS 31300 ACCESSORY ELECTROCE COLPANIENT 315.00 MISCELLARIEOUS FOWER PLANT EQUIPMENT 316.00 MISCELLARIEOUS FOWER PLANT EQUIPMENT	DAGE-OHNSTON, UNIT A STRUCTHERS AND IMPROVABLENTS 3120 BOLDERP LANT EQUINTER 31400 TURBOGENERATOR UNITER 31500 MISCELLANEOUS POWER PLANT BOUNET 31500 MISCELLANEOUS POWER PLANT BOUNET 70 ALL DAVE COHNSTON UNIT 4	311.00 STACLOHASTON COMMON 311.00 STACLOHASEA AND IMPROVEMENTS 312.00 BOLEER PLANT EGUIPMENT 313.00 THEORY CONTROL AND STACLOHASTON STACLOHASTON COMMON 316.00 MISCELLANEOUS POWER PLANT EGUIPMENT 316.00 MISCELLANEOUS POWER PLANT BOURDAND IN TOTAL DAVE TO AND TO AND TOTAL DAVE TO AND TO	TOTAL DAVE JOHNSTON GENERATING STATION	GALSSP CAPENINGS STATION 31.00 STRUCTURES AND MPROVEMENTS 31.00 STRUCTURES AND MPROVEMENTS 31.00 TORE GARNET COUNTERT 31.00 A CRESSNEY ELECTROL EQUIPMENT 31.00 A CRESSNEY ELECTROL EQUIPMENT 31.00 A MISCELLANECOLS POWER PLANT EQUIPMENT	TOTAL GADSBY UNIT 1	91100 STREET MARCH MARCHENIS 91100 STREET MARCHENIST COUNTRY 91200 UNDER CHEMBERT COUNTRY 91300 ACCESSORY ELECTROL ENDINMENT 915.00 MISCELLANDOUS POWER HAVIT COUNTRY 916.00 MISCELLANDOUS TOTAL GAOSEY UNITS	311.00 STRUCTURES AND MAPROVEMENTS 31.00 STRUCTURES AND MAPPOVEMENT 31.00 MOLE PRIANTE COLUMENT 31.60 MACCESSORY ELECTIVE COLUMENT 31.600 MISCELLANEOUS FOWER PLANT EQUIPMENT TOTAL GADSBY UNIT 3



•	PACEFICORE DATE: PACEFICARE AND DATO OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2020
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ESTIMATED	(%)	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		ଷ୍ଟିଷ୍ଟିଟିଟି	888EE8	338883		69999	6383	මෙට්ටමට	68883
ATOT	RETIREMENTS (12)	11,885,891 1,889,856 459,054 3,091,504 356,781 17,663,086	82,344,680	1,114,075 46,161,870 5,299,121 1,006,356 235,462 53,816,883	1,822,758 23,794,489 4,425,863 1,311,554 208,135 31,562,799	14,838,254 11,243,283 245,567 202,334 151,862 27,773,297	115,056,974	22,925,955 269,835,849 65,406,472 36,835,750 746,350 392,556,377	12,358,956 176,092,195 45,047,013 16,812,099 256,310,263	55,142,198 306,531,239 85,622,453 54,041,567 1,529,205 502,866,662	9,299,143 11,569,182 3,724,335 101,028 766,115 25,459,823
TOTAL	(\$) (11)	1,680,430 265,680 62,751 420,708 41,695 2,471,264	11,703,486	20,301 879,231 128,348 17,752 1,048,422	29,319 455,100 97,319 19,527 2,911 604,177	124,640 280,059 4,253 3,441 2,173 414,567	2,007,100	1,692,635 20,769,788 4,949,676 2,247,628 36,081 29,695,808	895,829 13,511,622 3,397,903 1,134,015 18,939,369	3,946,333 25,891,414 6,298,327 3,606,051 73,804 39,815,929	682,490 945,073 296,549 6,038 37,038 1,967,280
	(5) (10)	157 449 36,197 10,551 16,900 3,688 224,785	2,413,486	16,727 735,782 112,998 14,601 2,139 882,249	23,428 381,192 84,272 15,368 2,368 506,617	75.392 242.817 3.503 2.805 1.781 326.299	001.617,1	731,091 10,591,796 2,736,236 874,530 17,179 14,950,551	374.393 6,866,524 1,888.418 450,808 9,550,143	1,610,446 15,033,572 3,318,245 1,397,908 33,197 27,383,369	291,717 525,424 177,209 1,1814 17,663 1,013,827
INTERIM RETIREMENTS	(%) (%)	(30) (15) (5) (5)		(30) (20) (15) (5)	(30) (20) (5) (5)	(30) (20) (15) (20) (5)		(30) (20) (15) (5)	(30) (15) (20)	(20) (20) (5)	(5) (3) (3) (5) (5) (6) (6) (6) (7)
INTERI		524,829 180,894 70,343 70,343 74,501 73,761 934,419	13,165,593	55,758 3,678,912 783,323 73,006 42,789 4,603,789	78,094 1,905,958 1,6113 76,790 2,670,009	251,308 1214,087 23,354 14,027 35,620 1,588,396	0,012,193	2,436,969 52,968,979 18,241,573 4,371,251 343,575 78,382,347	1,247,976 34,782,620 12,456,120 2,254,040 56,240,755	5,366,153 75,167,862 22,121,636 6,989,538 66,3947 110,311,136	972,389 2,627,119 1,181,391 9,072 353,269 5,143,239
MET CALLVACE	(7)	333333 333333		<u>ම්මම්ම්ම්ම</u>	<u> </u>	<u> </u>		<u>(9</u> (9(9(9)	(2) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	(A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B	<u>ଡ</u> ିପ ହିନ୍ଦି ହିନ୍ଦି
MET CALLACE	(\$) (6)	1,522,981 229,483 52,200 403,608 38,006 2,246,478	9,290,000	3,574 143,448 15,349 3,152 651	5,891 73,809 13,047 4,169 543 97,559	49,248 37,241 756 636 838 393	352,000	961,544 10,177,992 2,213,440 1,373,378 18,902 14,745,257	521,436 6,655,088 1,529,485 683,207 9,389,226	2,335,887 10,857,842 2,980,082 2,208,143 40,606 18,422,560	390,773 419,649 119,341 4,315 19,375 953,454
ETIREMENTS	\$ / KW (5)		39.11	l	ı	11	t. 0	ı	,	1	ı
TERMINAL RETIREMENTS	(PACIFICORP SHARE)		237.5			\$	0				
6	(3) MW	341,061 708,872 388,711 307,003 283,020 728,667	,087	058,317 642,957 545,798 933,350 192,673	.664 .531 .050 .764 .791	,584,946 ,029,197 222,213 188,296 ,140,895	10/	, 488,986 , 876,870 , 164,899 , 1054,499 , 402,775 , 198,030	,980 ,575 ,893 ,059	,045 ,377 ,029 ,029 ,528	226,754 42,063 42,965 91,956 112,845
OFFINEMENT	(\$)	11,341,061 1,708,872 3,807,003 3,007,003 283,020 16,728,667	69,179,087	1,058,317 42,482,987 4,545,798 192,657 49,213,094	1,744,664 21,888,531 3,864,050 1,234,764 160,782 28,892,791	14,584,946 11,029,197 222,273 188,286 116,243 26,140,885	104,240,70	20,488,986 216,876,870 47,164,899 29,264,499 402,775 314,198,030	11,110,980 141,809,575 32,580,893 14,558,059 200,069,507	49,774,045 231,363,377 63,500,817 47,052,029 865,258 392,555,526	8,326,754 8,942,063 2,542,965 91,956 412,845 20,316,584
	ACCOUNT (1)	311.00 GALDERY COMMON 312.00 BOLER PLANT EQUIPMENT 314.00 TURBODERRATION UND 316.00 AGCESSORY ELECTRIC EQUIPMENT 316.00 MISCELLANEOUS POWIER PLANT EQUIPMENT 316.00 MISCELLANEOUS AGADSEY COMMON	TOTAL GADSBY GENERATING STATION	HAYDEN GENERATING STATION 311 OF STRUCTURES AND IMPROVEMENTS 312 OB DELER PLANT ECUIPMENT 314 ON THRODENERATING HUMBENT 315 ON ACCESSORY ELECTRIC EQUIPMENT 315 ON MISCELLANEOUS POWER FAUNT EQUIPMENT 316 ON MISCELLANEOUS POWER FAUNT EQUIPMENT 7074. HAYDEN UNIT 1	311 00 STREET WAY IN THE AND IN T	HAYDEN COMMON 31100 STRECTURES AND IMPROVEMENTS 31200 BOLLER PLANT ECUIPMENT 314.00 TUBROCEREARY CRUPACITY 316.00 ACCESSORY ELECTRIC ECUIPMENT 316.00 MISCELLANEOUS POWER PLANT ECUIPMENT 316.00 MISCELLANEOUS POWER PLANT ECUIPMENT	I CI AL HATDEN GENERALING OLATION	HUNTER CENERATING STATION HUNTER UNIT 1 311.00 STRUCTIKES AND MPROVEMENTS 312.00 BOLER PLAT EQUIPMENT 314.00 THOROGENERATOR UNITS 315.00 ACCESSORY ELECTRE COUPMENT 316.00 MISCELLANEOUS PROWER PLANT EQUIPMENT TOTAL HUNTER UNIT 1	HUNTER UNIT S 311.00 STRUCTHERS AND MPROVEMENTS 312.00 BOLER PLANT EQUIPMENT 314.00 TURBOGENERATOR UNIT S 315.00 ACCESSORY ELECTRIC EQUIPMENT TOTAL HUNTER UNIT 2	HUNTED INDITED INTO 31100 STRUCTURES AND IMPROVEMENTS 31200 SOLER PLANT EQUIPMENT 314:000 TO TREADERS AND IMPROVEMENTS 314:000 TO ACCESSORY ELECTRIC EQUIPMENT 316:000 MISCELLANIED OF POUR EQUIPMENT 316:000 MISCELLANIED OF SOLE ADMINISTRATING TO TOTAL HUNTES INDITED AT 316:000 MISCELLANIED OF SOLE ADMINISTRATING ADMINISTRATING ADMINISTRATION AND ACCESSORY ACCESSORY AND ACCESSORY ACCESSORY AND ACCESSORY ACCESSORY AND ACCESSORY A	HUNTER UNITS 1 AND 2 COMMON FACILITIES 311.00 STRACTURES AND IMPROVEMENTS 314.00 TORDICERPLANT ECUIPMENT 314.00 TORDICERPLANT ECUIPMENT 315.00 ACCESSORY ELECTRICE EQUIPMENT 315.00 MISCELLANFOLDS POWER PLANT EQUIPMENT 315.00 MISCELLANFOLDS POWER PLANT EQUIPMENT 315.00 TORAL HUNTER UNITS 1 AND 2 COMMON FACILITIES



		PACIFICOR	UTAH, WYOMING AND IDAHO	CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2020
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ESTIMATED	NET SALVAGE (%)	(61)	200000			56633	200330	200023			®®® <b>®</b> ₹®	© © © © (\$
	TOTAL RETIREMENTS	(71)	118,998,210 33,778,662 1,174,089 2,507,308 447,268 756,905,537	1,328,092,662		20,081,050 297,888,266 63,015,341 20,271,951 1,169,289 402,405,896	26,579,969 282,283,895 61,304,960 24,296,313 916,765 375,321,902	82,128,438 44,709,035 7,408,514 4,805,773 1,462,508 140,514,267	918,242,066		15,374,925 166,315,287 45,087,752 10,683,436 289,804 237,751,205	12,671,546 169,543,431 58,314,044 9,044,487 183,794
TOTAL	NET SALVAGE (\$)	(11)	8,266,062 2,647,109 92,539 144,33 21,452 11,161,496	101,579,882		1,371,213 20,883,921 4,590,252 1,294,323 58,818 27,956,526	1,721,393 18,677,341 4,364,038 1,444,776 46,108 26,253,656	5.350.407 3.075,018 560.477 262,437 73.611 9,321,951	63,534,133		767,077 8,799,283 2,285,577 5,18,076 12,444 12,382,456	703,222 10,115,472 3,182,313 480,088 8,033
	NET SALVAGE (\$)	(10)	3,178,760 1,387,446 54,486 21,775 21,775 7,526 4,649,993	51,557,882		431,302 7,844,127 1,767,313 364,083 16,927 10,422,753	458,389 7,292,489 1,917,991 298,019 13,342 9,980,200	1,454,270 1,097,704 281,631 28,635 14,629 2,875,180	23,278,133		151,914 2,418,574 580,165 95,905 2,630 3,249,789	207,585 3,909,661 1,062,808 133,480 2,483
INTERIM RETIREMENTS	NET SALVAGE (%)	(a)	(20) (20) (20)			(30) (20) (5) (5)	(30) (20) (20) (20)	(30) (20) (15) (20) (5)			(20) (20) (20) (20)	(2) (2) (3) (3) (3) (3) (4) (4) (4) (4) (5) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7
INTERIN	RETIREMENTS NE	(0)	10, 595, 866 6,937, 228 363,241 108,875 150,522 18,155,732	262,203,210		1,437,674 39,220,637 11,782,084 1,820,417 318,548 54,579,360	1,527,963 36,482,445 12,786,409 1,490,093 266,838 52,533,747	4.847,568 5,486,522 1,877,643 1,877,643 292,575 12,640,935	119,754,042		506,381 112,082,870 3,867,767 479,527 52,598 16,999,143	691, 950 119,548,303 7,085,387 667,400 49,662
	NET SALVAGE (%)	(2)	<u> </u>			ଉତ୍ତତ୍ତ୍ୱ	99999	ଉତ୍ତିତ୍ତି			\$ \$ \$ \$ \$ \$ \$	<del>4</del> 444
	NET SALVAGE (\$)	(0)	5,087,302 1,259,664 38,053 112,558 13,926 6,511,503	50,022,000		939,911 13,039,793 2,582,939 930,239 42,890 17,535,773	1,263,004 11,384,882 2,46,076 1,146,787 13,766 16,273,456	3.896,137 1,977,313 278,845 228,845 58,983 6,446,777	40,256,000		615,163 6,380,709 1,705,412 422,171 9,814 9,133,268	495,637 6,205,811 2,119,505 346,587 5,550
TIREMENTS	\$ / KW	(c)		43.19			l	11	44.29		l	ļ
TERMINAL RETIREMENTS	MW (PACIFICORP SHARE)	(1)		1158					606			
	NW S	(0)	402,344 841,435 810,848 398,433 799,745	,451		643,376 647,628 233,257 451,534 850,741 826,536	052,006 821,450 518,551 746,220 649,927 788,155	,869 ,971 ,046 ,333	,024		868,544 222,417 219,985 203,909 237,206 752,062	979,596 995,128 228,658 377,057 134,132
	RETIREMENTS (\$)	(7)	108,402,344 26,841,435 810,848 2,398,433 296,745	1,065,889,451		18,643,376 258,647,628 51,233,257 18,451,534 850,741 347,826,536	25,052,006 225,821,450 48,518,51 22,746,220 649,927 332,788,156	77,280,869 39,220,513 5,530,971 4,671,046 1,169,933 177,873,333	798,488,024		14,868,544 154,222,417 41,219,985 10,203,909 237,206 220,752,062	11,979,596 149,995,128 51,228,658 8,377,057 134,132
	ACCOUNT		HUNTER HUNTE 1.2 AND S.COMMON FACULTES 31.00 STRUCTURES AND MERCHARINTS 31.20 BOLER PLANTEQUIPMENT 31.00 TORROGENERATION UNITS 31.00 ACCESSORY ELECTRIC EQUIPMENT 31.00 MISCELLARIOLD SPONTS PLANTEQUIPMENT TOTAL HUNTER UNITS 1.2 AND 3 COMMON FACULTES	TOTAL HUNTER GENERATING STATION	HUNTINGTON GENERATING STATION	HUNTINGTON UNIT : 311.00 STRUCTURES AND MIPROVEMENTS 312.00 DOLLEFPLANT EQUIPMENT STAUD TURROGEREATING FUNDER FLANT EQUIPMENT SIG. 00 MISCELLANEOUS PROVER PLANT EQUIPMENT TO TALL HUNTINGSTON UNIT I TOTAL HUNTINGSTON UNIT I	31.00 STRUCTURES AND IMPROVEMENTS 31.20 BOLEFE HAT ECUIPMENT 31.60 THEORY AND ECUIPMENT 31.60 THEORY CONTROLLED THE CONTROLLED	HUNTINGTON COMMON 31100 STRUCTURES AND IMPROVEMENTS 31200 BOLLER PLANT EQUIPMENT 31400 TURBOGENEAT/TOR UPER PLANT EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT	TOTAL HUNTINGTON GENERATING STATION	JIM BRIDGER GENERATING STATION	311 00 STRUCTURES AND IMPROVEMENTS 312 00 BOLER HOLE ANT EQUIPMENT 314.00 THEROGENERATOR UNITS 315.00 ACCESSORY ELECTROC ROUNES 315.00 MISCELLANEOUS POWER PLANT EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT 31774.	JIM BRDGER UNIT 2 31100 FIRCULTERS AND MEROVAMENTS 31200 BOLLER LAWIT COUPMENT 31400 TURBOGGENERATOR UNITS 31500 ACCESSORY ELECTRIC EQUIPMENT 31600 MISCELLANEOUS POWER PLANT EQUIPMENT



620,161,731

68,561,462

6,294,462

31,896,960

97.75

637

588,264,771

PACETORIO AND PART AS OF DECEMBER 31, 2020
CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2020

ESTIMATED	NET SALVAGE (%)	(13)	©©5040	89 <u>5</u> 849	9F9646			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	££££@£	3 <u>9</u> 3333
	TOTAL	(12)	14,595,795 274,693,488 43,173,220 9,047,142 178,442 341,688,086	40,336,498 306,081,323 45,870,054 16,963,614 1,158,562 410,410,050	74,426,831 105,102,393 10,430,202 19,337,398 2,839,807 212,136,631	1,451,743,244		21,072,370 153,722,644 20,181,759 20,855,690 87,025 215,919,488	29,261,980 192,015,148 27,319,305 30,036,945 357,454 278,990,833	72,790,235 44,931,417 1,742,558 4,210,325 1,576,875 125,551,441
TOTAL	NET SALVAGE (\$)	(11)	878,704 17,432,919 2,815,588 510,877 7,960 21,646,048	2,466,081 19,578,054 3,033,846 977,713 51,651 26,107,345	4,160,646 6,969,723 6,420 1,032,282 1,23,424 12,932,475	87,557,430		2,304,552 17,115,580 2,240,746 2,241,873 8,020 23,910,771	3,171,686 21,404,973 3,002,000 3,222,185 33,506 30,834,359	7,959,932 5,057,174 190,176 452,643 156,406
	NET SALVAGE (\$)	(10)	318,791 7,650,559 1,421,426 172,185 3,346 9,566,307	924,757 8,717,882 1,568,739 347,824 21,546 11,580,727	1,254,341 3,304,967 296,732 292,773 34,378 5,183,191	34,895,430		114,453 1,793,397 355,147 72,220 1,066 2,336,984	114,878 2,295,110 374,698 90,974 3,877 2,879,537	394,312 639,920 19,464 14,839 9,404 1,077,940
INTERIM RETIREMENTS	NET SALVAGE (%)	(6)	(20) (20) (20) (20)	(20) (20) (20) (20)	(30) (20) (20) (5)			(20) (20) (20) (20)	(30) (20) (20) (5)	(30) (20) (20) (5)
	RETIREMENTS NE	(8)	1,062,635 38,252,797 9,476,177 860,912 49,719,452	3,082,523 43,589,308 10,458,258 1,739,118 430,920 59,300,126	4, 181, 136 16,524,833 1,978, 212 1,463,867 687,565 24,835,613	178,897,037		381,511 8,966,987 2,367,649 364,599 21,330 12,102,076	382,928 11,475,549 2,497,988 454,871 77,532 14,888,869	1,314,375 3,199,601 1,197 74,197 188,083 4,906,076
	NET SALVAGE	(2)	<u> </u>	<b>૨૨૨૨</b>	<u>୧</u> ୫୧୫୧			<u> 33333</u>	<u> 33333</u>	EEEEEE
	NET SALVAGE (\$)	(9)	559,913 9,782,360 1,394,162 338,692 4,614 12,079,741	1,541,324 10,860,192 1,465,107 629,889 30,105 14,526,618	2,906,305 3,664,757 3,49,688 739,489 89,046 7,749,284	52,662,000		2,190,098 15,322,183 1,895,598 2,188,953 6,954 21,573,787	3,056,807 19,109,863 2,627,302 3,131,221 29,629 27,954,822	7,565,619 4,417,254 170,712 437,803 147,002 12,738,397
TIREMENTS	S / KW	(2)			11	37.21			ı	11
TERMINAL RETIREMENTS	MW (PACIFICORP SHARE)	(4)				1415				
		(3)	160 391 344 218 522 534	376 115 196 196 242	595 560 531 742	207		960 109 109 112	552 599 317 775 921	360 316 128 395
	RETIREMENTS (\$)	(2)	13,533,160 236,440,691 33,697,044 8,184,184 111,522 291,968,634	37,253,976 262,492,015 35,411,796 15,224,496 727,642 351,709,924	70,245,685 88,577,560 8,451,990 17,7873,531 2,152,242 187,391,018	1,272,846,207		20,680,860 144,755,657 17,814,109 20,491,091 65,695 203,817,412	28,879,052 180,539,599 24,821,317 29,582,075 279,927 264,101,964	71,475,860 41,731,816 1,612,799 4,1381,782 1,388,782 120,345,395
	ACCOUNT	(1)	311.00 MERIOLECKUM MRROUENINS 311.00 MERIOLECKUM MRROUENINS 312.00 BOLDICIDEES AND MRROUENINS 314.00 TURBOGENERATOR (UNITS 315.00 ACCESSORY ELECTROE EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL JAM BRIDGER UNIT 3	11 NO STREATOR WATER 31 NO STREATURES AND IMPROVEMENTS 31 20 DO BOLDER PLANT ENDINMENT 31 NO ACCESSORY ELECTRIC EQUIPMENT 31 SO ACCESSORY ELECTRIC EQUIPMENT 31 SO MISCELLANGOUS ENDINE FRANT EQUIPMENT 31 NO MISCELLANGOUS ENDINE FRANT EQUIPMENT 31 NO MISCELLANGOUS ENDINE FRANT EQUIPMENT	31 00 STREATON STREAM INFROMMENTS 31 00 STREATON STREAM INFROMMENT STREAM STREA	TOTAL JIM BRIDGER GENERATING STATION	NAUGHTON GENERATING STATION	NAME OF THE CONTROLL OF THE CO	MANDETONIAN STREET OF STRE	NAME OF THE CONTROLL OF THE CO



PACE/CRPP
UTAN, WYONING AND DAYO
CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2020

ESTIMATED	NET SALVAGE (%)	(i)	(4) (3) (4) (5) (6) (6) (6) (7)	(2)		6969	(8)	<u>6</u> 9.86.66	(3) (3) (6) (6) (6) (7) (7) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8	<u>8</u> 8886		
	TOTAL RETIREMENTS		53,431,472 331,133,539 65,1035,810 29,207,443 1,229,826	480,038,090		249,994 37,022,217 1,031,083 121,553	38,424,846	6,583,729 12,965,739 17,102,110 5,029,852 683,558 42,364,988	687,069 7,871,580 16,071,873 2,444,529 522,753	738.050 3,235,238 42,209 69,748 4,085,246	112,472,883	7,181,041,885
TOTAL	NET SALVAGE (\$)		2,168,685 16,950,403 3,504,456 1,038,406 33,785	23,695,735		17,615 2,965,469 68,498 7,346	3,058,927	588,342 1,297,612 1,601,432 426,306 45,681 3,959,372	56,167 718,179 1,408,427 192,215	59,985 574,223 3,282 4,589 342,089	9,771,131	446,605,154
	NET SALVAGE (\$)		1,279,525 12,051,709 2,647,497 560,918	16,557,735		2,273 910,604 4,746 1,305	918,927	129 527 527,230 648,280 81,612 10,778 1,397,426	6,554 209,083 417,233 15,789 6,576	6.576 52,526 1.14 1.26 60,542	3,032,131	156,732,154
INTERIM RETIREMENTS	NET SALVAGE (%)	Ē	(30) (15) (20) (5)			(P) (S) (S)		(30) (20) (5) (5)	(30) (15) (5) (5)	(20) (20) (5)		
INTERI	RETIREMENTS N (\$)	2	4,265,085 60,258,546 17,649,979 2,804,592 361,701	85,339,902		7,576 4,553,018 23,730 26,100	4,610,424	431,755 2,636,150 4,321,864 408,058 2,15,562 8,013,397	21,848 1,045,416 2,781,553 7,84,947	4, to34, 21, 319 262, 629 1,072 24,524 310,143	16,993,234	804,878,698
	NET SALVAGE (%)	Ē	ପ୍ରପ୍ରପ୍ର			<u> </u>	(9)	666666	EEEEE	3 88888		
	NET SALVAGE (\$)	2	889,160 4,898,694 856,959 477,488 15,700	7,138,000		15,342 2,054,865 63,752 6,041	2,140,000	458,815 770,382 953,152 344,694 34,903 2,561,946	49,612 509,096 991,194 176,425 29,179	53.409 221,698 3,068 3,373 281,548	6,739,000	289,873,000
TERMINAL RETIREMENTS	\$ / KW	ĵ.	ı	26.63			ı	ı	ı	1 '	139.3	
TERMINAL RI	(PACIFICORP SHARE)	Ē		268							33	
	WW	Ē.	887 994 331 251	187		117 199 353 153	122	374 589 245 794 596 597	221 320 382 241	32 32 37 37 102	949	187
	RETIREMENTS (\$)	1	49,166,387 270,874,994 47,385,831 26,402,837 868,125	394,698,187		242,417 32,469,199 1,007,353 95,453	33,814,422	6,151,974 10,329,589 12,780,245 4,621,794 467,996 34,351,597	665,221 6,826,164 13,290,320 2,365,582 2,365,582 391,241	23,536,526 2,972,609 41,137 41,137 45,224 3,775,102	95,479,649	6,376,163,187
	ACCOUNT (4)	W YODAK GENERATING STATION	WYODDAK PLANT 311.00 STRUCHES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOCENERATOR INITS 315.00 MISCELLANEOUS POWER PLANT EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT	TOTAL WYODAK GENERATING STATION	BLUNDELL GENERATING STATION	BLUNDELL GEOTHERMAL STEAM FELD 311.00 STRUCTURES AND IMPROVEMENTS 312.00 BOLER PLANT EQUIPMENT 316.00 ALGESSORY ELECTRE EQUIPMENT 316.00 MISCELLANEOUS POWER PLANT EQUIPMENT		BLUNGLL GECHERAL LIMIT 1 311 00 STRUCTHES AND IMPROVEMENTS 312.00 BOLLER PLANT EQUIPMENT 314.00 TURBOCEHERATOR INITS 315.00 ACCESSORY ELECTROC EQUIPMENT 316.00 MISCELLARMOUS POWE PRANT EQUIPMENT 707A, BLUNDELL GECHERARAL UNIT 1	BLUNDELL GEOTHERMAL UNIT 2 31100 STRUCTURE SAND IMPROVEMENTS 31200 BOLLER PLANT EQUIPMENT 31400 TUBGOSCHERATOR UNITS 31500 ACCESSORY ELECTRIC EQUIPMENT 31600 MISCELLANEOUS POWER PLANT EQUIPMENT	I UNA BRANCHEL GEOTHERMAL DWIN Z  BUNDELL GEOTHERMAL COMMON  31100 STRUCTUBES AND INFROVEMENTS  31500 BOLER PLANT EQUIPMENT  31500 AGCESSORY ELECTRIC EQUIPMENT  31600 MISCELLARHOUS PORRE PLANT EQUIPMENT  TOTAL BUNDELL GEOTHERMAL COMMON	TOTAL BLUNDELL GENERATING STATION	TOTAL STEAM PLANT



PACEFICONY UTAH, PROMINING PERCONNE DEHO CALCULATION OF WEIGHTED NET SALVAGE PERCONT FOR GENERATION PLANT AS OF DECEMBER 31, 2020	
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Control   Cont										Г	age 1410
Controlled   Con		ESTIMATED NET SALVAGE (%) (13)	≘∘≘≘≘≘∘	<u>ଟେଉଉଟେଉ</u>	<b>300000</b>	\$\$\$P\$\$\$	@@@@ <del></del> \$()C	ପ୍ରତ୍ତପ୍ତ	550050	550000	<u> </u>
Continued by Con		TOTAL RETIREMENTS (12)	2,121,285 28,035,470 1,985,788 1,322,373 7,989 5,494 33,478,388	6,757,825 42,986,312 17,218,606 5,739,748 80,053 1,278,038 74,114,581	94,226 1,393,705 842,020 606,326 15,096 168 2,951,541	755,679 5,821,951 1,567,882 391,974 233,109 8,770,096	4 009 355 10.650,265 11.927,275 2,656.492 10.867 72,525,27 29,982,782	183,755 1,859,023 694,272 140,731 177,466 3,055,248	542,555 3760,517 709,435 210,374 1,369 5,224,249	444,350 951,164 1,169,692 266,342 64,429 2,894,977	1,221,884 10,632,307 10,668,363 942,717 11,836 267,989 23,773,096
Court   Cour		TOTAL NET SALVAGE (\$) (11)	11,083 116,547 26,895 12,437 42 39 167,052	92.218 582.081 355.255 101,324 804 19.688 1,151,540	989 9,886 8,055 9,601 89 8	24,372 202,839 111,597 19,1703 368,627	202,592 678,772 1,072,603 162,803 71,723 2,188,933	3,467 34,672 22,407 4,088 3,718 68,352	7,005 50,136 24,046 4,853 20 86,060	5,151 11,328 29,203 4,404 4,1633 52,055	22,557 168,371 158,371 12,535 95 3,193 365,209
The control of the		E	11 093 116 547 26 895 12,437 42 39 167,052	92.218 582,081 385,255 101,324 101,324 11,151,540	989 9,096 8,055 9,601 9,601 89 89 89 89 89	24,372 202,839 111,597 19,117 10,703 388,627	202.592 678.772 1,072.603 162.803 143.9 77.723 2,188.933	3,467 34,672 22,407 4,088 3,718 68,352	7,005 50,136 24,046 4,853 20 86,060	5,151 11,328 29,203 4,740 1,633 52,055	22.557 188,518 188,314 12.535 95 3.193 365,209
The control of the		M RETIREMEN ET SALVAGE (%) (9)	(30) (40) (10) (40)	(40) (40) (40) (40)	(40) (15) (40) (40)	(40) (40) (40) (40)	(40) (40) (10) (40)	(400) (400) (400) (400)	0 (4 (4 (8 (9 (9 (9 (9 (9 (9 (9 (9 (9 (9 (9 (9 (9	(400) (400) (400) (400)	(40) (15) (40) (40)
COUNTEMBER   COU	OF DECEMBER 31, 2020	INTERII RETIREMENTS NI (\$)	36,977 291,387 67,237 82,911 479,009 479,009	307,382 1,455,202 888,138 675,495 8,037 49,646 3,383,910	3,296 24,741 20,138 64,009 890 113,094	81,241 507,097 278,992 127,449 26,756 1,021,534	675,308 1,696,390 2,681,508 1,085,351 4,336 179,308 6,322,793	11,555 86,680 56,018 27,250 9,296 190,799	23,350 125,339 60,115 32,356 203 203 241,363	17,170 28,321 73,008 31,597 4,082 154,179	75,191 421,294 395,776 83,568 951 7,983 984,764
COUNTEMBER   COU	SENERATION PLANT AS	NET SALVAGE (%) (7)	000000	000000	000000	00000	000000	00000	00000	00000	000000
COUNTEMBER   COU	ALVAGE PERCENT FOR C	NET SALVAGE (\$) (6)									
COUNTEMBER   COU	HTED NET S/	\$ / kW	0	0	0	0	0	0	0	0	0
Count	CALCULATION OF WEIG	TERMINAL RI MW (PACIFICORP SHARE) (4)	0	0	0	0	0	0	0	0	0
PETER  (1)  (1)  (1)  (2)  (3)  (4)  (4)  (5)  (5)  (5)  (6)  (6)  (6)  (6)  (7)  (7)  (8)  (8)  (8)  (9)  (9)  (9)  (9)  (9		Ιi	288 1103 1462 569 387 360	,433 109 468 253 016 392 671	930 964 881 317 206 149 447	438 855 391 352 362	,047 ,766 ,141 ,141 ,219 ,989	200 254 481 171 448	, 204 1, 178 3, 320 1, 018 1, 887	,180 ,884 ,745 ,745 ,798	692 013 587 149 885 333
METERONIST AND CHECOURT  WITH THE STATIONS AND METERONISS  WAS THE STREWNERS AND METERONISS  WAS CHERWHEELS. THERWISE AND GENERATORS  WAS CHERWHEELS. THERWISE AND GENERATORS  WAS CHERWHEELS. THERWISE AND GENERATORS  WAS CHERWISE AND METERONISS. DAME AND WEIGHT  WAS CHERWISE AND METERONISS. DAME OF CHERWISE  WAS CHERWISE AND METERONISS. DAME AND WAS CHERWISE  WAS CHERWISELS. THERMISS AND CENERATORS  WAS CHERWISELS. THERMISS AND CENERATORS  WAS CHERWISELS. THERMISS AND CENERATORS  WAS CHERWISELS. DAME OF CHARMISE  WAS CHERWISELS. THERMISS AND CENERATORS  WAS CHERWISHED. THE CHERWISE AND CHERKATORS  WAS CHERWISHED. THE CHERWISE  WAS CHERWISHED. THE CHERWISE AND CHERKATORS  WAS CHERWISHED. THE CHERWISH AND WAS CHERWISH  WAS CHERWISHED. THE CHERWISH  WAS CHERWISHED. THE CHERWISH  WAS CHERWISHED. THE CHERWISH  WAS CHERWISH AND WAS CHERWISH  WAS CHERWISH AND WAS CHERWISH  WAS CHERWISH AND WAS CHERWISH  WAS CHERWISH AND CHERWISH  WAS CHERWISH		RETIREMENT: (\$) (2)	2 064 27,744 27,744 1,918 1,29 22,999	6,450 41,533 16,330 5,118 72 1,228 1,239	90 1,386 8318 842 842 14 14 2,838	674 5,314 1,288 10,286 206 20,206 7,748	3,334 8,9585 9,2465 1,571 1,571 548 54865	172 1,772 638 113 168 168 2,864	519 3,635 649 178 178 4,982	427 922 1,096 1,096 0 60 2,740	1,146,892 10,211,013 10,300,897 869,149 20,085 22,788,333
		ACCOUNT (1)	HYDRAULIC PRODUCTION PLANT 33.10 STRUCTURES AND IMPROVEMENTS 33.00 PRESERVOIRS. DAMS AND WATERWAYS 33.00 MATERWAYS LITERINES AND GENERATORS 33.00 MATERWAYS LITERINES AND AND AND BRIOGES 33.00 MATERWAYS AND		BEND 33.100 FIRECTURES AND IMPROVEMENTS 33.200 RESERVOIRS, DAMS AND WATERWAYS 33.300 WATERWHELE IT, TERBIES AND GENERATORS 33.40 ACCESSORY ELECTROL COLIPMENT 33.50 MISCELANEOUS POWER PLANT COLIPMENT 33.50 ROADS, PALIZADE AND REPOSES 707AL ERND		OUTLER 33.00 FIRETOTHES AND IMPROVEMENTS 33.00 PRESERVOIRS, DAMS AND WATERWAYS 33.00 MYSTERWHEELS THERMISE AND GENERATORS 33.00 MYSTERWHEELS THERMISE AND AND SAND AND SAND AND SAND AND SAND AND SAND S	831 00 TRACOUNES AND IMPROVEMENTS 832 00 RESERVOINES DAMIS AND WATERWAYS 8330 WATERWHEELE TURBRIES AND GENERATORS 840 ACCESSOFF ELECTRO EQUIPMENT 950 00 ROADS, RALIFADADS AND BRIDGES 950 00 ROADS, RALIFADADS AND BRIDGES	GRANITE 33.100 TRINCUINES AND IMPROVEMENTS 33.200 RESTRUCTIONES DAMS AND WATERWAYS 33.300 WATERWHEELS. TURBAINES AND GENERATORS 34.00 ACCESSORY ELECTROL EQUIPMENT 35.500 MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL GRANITE	1831 100 TRATIONES AND IMPROVEMENTS 382.00 RESERVOINES DAMIS AND WATERWAYS 383.00 WATERWHEELE TO TRANSIES AND AND SAND SAND SAND SAND SAND SAND	33.100 FIRETOTHES AND IMPROVEMENTS 322.00 RESERVOINES, DAMS AND WATERWAYS 333.00 WATERWHEELE THERMISES AND GENERATORS 334.00 MATERWHEELE TO THERMISE AND



											raye 141
	ESTIMATED NET SALVAGE	(13)	@ <u>&amp;_</u> 6@@ <i>&amp;</i>	ଉତ୍ତିତ୍ର	o≘≘oo <u>€</u>	2999999	ଚଚ୍ଚିତ୍ରଚ୍ଚିତ୍ର	4699500	00Ê0000	EEQE0 8	මෙලිලලෙල
	TOTAL	(12)	103,706,362 55,529,132 9,696,868 11,950,190 165,049 6,882,232 187,909,834	35,278,220 207,751,651 26,112,010 19,504,281 706,574 9,870,769 299,223,505	108,880 110,602 71,659 157,547 407 449,093	612.291 9,747.326 1600.124 943,747 9,383 61.082 12,973.954	6,386,083 37,438,155 4,222,312 6,682,234 116,688 1,043,284 55,781,336	638 466 4.512.272 1.818.871 1.850.161 61.277 2.86.556 9,177.603	178 276 1,128,334 457,106 688 071 7,735 21,344 2,480,867	178,830 1,214,218 519,847 219,847 214,821 2,340,303	72,227,625 54,242,483 16,182,530 7,836,131 397,837 1,156,019
	TOTAL NET SALVAGE	(11)	3,316,889 2,137,591 1,037,424 592,468 43,428 7,432,270	530,515 3,402,671 862,225 441,337 9,085 289,162 5,515,005	295 707 657 732 732 732	5,769 95,076 23,214 11,659 68 136,298	95.614 554,749 142,533 147,958 16,016 957,086	24,011 230,308 162,663 93,836 1,977 16,492 529,187	564 4,591 3,061 3,174 2,2 73 11,385	2,051 11,836 11,102 11,102 3,044 706 28,739	2,262,421 3,269,284 1,596,087 411,038 18,228 7,0447 7,626,515
	S NET SALVAGE	(10)	3,316,889 2,137,591 1,037,424 592,469 4,468 343,429 7,432,270	530,515 3,402,671 862,225 441,337 9,095 269,162 5,515,005	295 707 657 732 732 2,392	5,769 95,076 23,214 11,659 68 512 136,298	95,614 554,749 142,533 147,958 16,216 957,086	24 011 230;308 162,563 93,836 1,977 16,492 529,187	664 4,491 3,061 3,174 2,2 73 11,385	2,051 11,836 11,02 11,02 3,044 3,044 28,739	2,282,421 3,289,284 1,595,097 411,038 18,228 7,0447 7,626,515
	INTERIM RETIREMENTS NET SALVAGE	(6)	(30) (40) (10) (10) (40)	(30) (40) (15) (10) (40)	(30) (40) (15) (10)	(40) (40) (10) (40)	(30) (40) (15) (10) (10)	(30) (40) (10) (10)	(30) (40) (15) (10)	(30) (40) (15) (40)	(40) (40) (40) (40)
OF DECEMBER 31, 2020	INTER RETIREMENTS N	(8)	11,056,298 5,343,977 2,593,560 3,949,794 44,680 888,571 23,846,880	1,768,385 8,506,677 2,155,653 2,942,243 90,953 672,906 16,136,726	984 1,768 1,641 4,878 1,9,282	19,230 237,691 58,034 77,728 684 1,280 394,647	318,713 1,386,872 356,332 986,385 2,158 40,041 3,090,502	80,037 575,770 406,408 625,571 19,771 41,230	1,879 11,228 7,654 21,158 219 181 42,321	6,837 29,589 27,755 20,286 1,764 86,241	7,541,403 8,173,211 3,897,743 2,740,252 182,281 176,118 22,801,008
SENERATION PLANT AS C	NET SALVAGE	(7)	000000	000000	00000	000000	000000	000000	000000	00000	000000
CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2020	NET SALVAGE	(9)								.	
GHTED NET (	RETIREMENTS	(5)	0	0	0	0	0	0	0	0	0
CALCULATION OF WEI	TERMINAL F MW	(4)	0	0	0	0	0	0	0	0	0
	MA	(3)	555 54 57 0 88 54	736 747 21 79	13 4 5 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 20 27	25 88 83 37 48 85 83 70 48 85 83 85 85 85 85 85 85 85 85 85 85 85 85 85	2 S S S S S	52 13 16 16	28.88	22 22 33 33 33 33 33 28
	RETIREMENTS	(2)	92,650,064 50,185,155 7,103,308 8,000,396 120,370 6,003,601 164,002,594	33.506.836 199.244.975 22.966.447 16.562.037 16.627 9.17.662 283.006.779	107,895 108,834 70,017 152,669 396 439,811	593,067 9,509,638 1,542,080 8,66,019 8,700 5,800 12,579,300	6,067,370 36,051,283 3,875,648 5,675,648 1,013,575 1,003,534 52,690,534	558.429 5,936.502 1,412.453 1,224.590 41.506 2,256.22 7,428.516	176.397 1,117,106 449,452 666,913 ( 7,516 2,1152 2,438,546	171,998 1,184,629 484,732 199,651 2,13,057 2,254,061	64 686,222 46,069,282 12,144,787 5,098,879 215,556 946,901 129,371,628
	THICCOM		331.00 MEATON STRUCTURES AND IMPROVEMENTS 322.00 RESERVOIRS, DANA AND WATERWAYS 333.00 WATERWHEELS, TURRINES AND GENERATORS 34.00 ACCESSORY LELECTE GLOUPMENT 34.00 ACCELLANDESORY LELECTE GLOUPMENT 35.00 MISCELLANDESOR POWER PLANT EQUIPMENT 35.00 ROADS, RALROADS AND BRIDGES 36.00 ROADS, RALROADS AND BRIDGES 370.00 ROADS, RALROADS AND BRIDGES 370.00 ROADS, MARRYN N	NORTH UMPQUA 33.10 STRUCTURES AND IMPOVEMENTS 33.20 WESTEWHEIES, THENRIES AND WHTEWARYS 33.30 WASTEWHEIES, THENRIES AND GENERATORS 33.40 ACCESSORY ELECTRIC EQUIPMENT 33.50 MACCELANFONS POWER PLANT EQUIPMENT 35.00 ROADS RALROADS AND BRIDGES TOTAL WARPINGUA	PARIS 33.100 FINDCTURES AND IMPROVEMENTS 33.200 FISTERVOIRES, DAMES AND WATERWAYS 33.300 WITHERWHEELS, THERMISES AND GENERATORS 33.300 ACCESSORY ELECTRICE EQUIPMENT 33.500 MISCELLANEOUS POWER PLANT ECOUPMENT TOTAL PARS	PIONEER 33.100 FINCTURES AND IMPROVEMENTS 32.300 WINCTURES DAMS AND WHERWAYS 33.300 WINCTHWHEILS, THERINES AND GENERATORS 33.400 ACCESSORY ELECTIRE COLUMENT 33.500 MISCELLANEOUS POWER PLANT EQUIPMENT 33.500 ROADS, RALLEOADS AND BRIDGES 1074L PIONEER	PROSPECT# 1.2 AND 4 33.100 FIRCUTURES AND IMPROVEMENTS 32.300 MESERVOIRS, DAMS AND WATERWAYS 33.300 WINTERWHEELS, THERRINES AND GENERATORS 33.400 ACCESSORY ELECTRE COLUMENT 33.500 MISCELLAMEDUS POWER PLANT EQUIPMENT 33.500 ROADS, PALECTRE COLUMENT 33.500 ROADS, PALECTRE 35.500 ROADS, PALECTRE 35.500 ROADS, PALEC	PROSPECT#2 33.100 FIRCUTURES AND IMPROVEMENTS 33.00 METERVINEES, DAMS AND WATERWAYS 33.300 WITERWHEELS, THERRINES AND GENERATORS 33.600 ACCESSORY ELECTRIC EQUIPMENT 33.600 MISCELLAMEDUS POWER PLANT EQUIPMENT 33.600 ROADS, RALLEDADS AND BRIDGES TOTAL PROSPECT NO.3	SANTA CLARA 33.100 STRUCTURES AND IMPROVEMENTS 323.00 MESERVOIRE, DAMS AND WATERWAYS 323.00 WISTERWHEELS, THERRINES AND GENERATORS 334.00 ACCESSORY ELECTIRE COLUMENT 335.00 MISCELLANEOUS DOWNER PLANT EQUIPMENT 335.00 ROADS, RALEOADS AND BRIDGES 1071AL SANTA CLARA	STAIRS 33.10 STAIRS 33.20 RESERVOIRS, DAMS AND MATERWAYS 33.20 WATERWEST TREMINES AND OFFERATORS 33.00 ACCESSORY ELECTRG EQUIPMENT 34.00 ROADS, RAILROADS AND BRIDGES TOTAL STAIRS	SWIET SAND IMPROVEMENTS 33.00 STRUCTURES AND IMPROVEMENTS 33.00 NESERVOIRES, DAMS AND WATERWAYS 33.00 WATERWHELES, THORRINES AND GENERATORS 33.00 ACCESSOPY ELECTIFG EQUIPMENT 33.00 MISCELLANEOUS POWER PLANT EQUIPMENT 35.00 ROADS RALEGADS AND BRIDGES TOTAL SWIFT
		1									



NETS				Ü					
TOTAL RETIREMENTS (12)	399,606 102,775 489,802 201,146 20,137 1,213,466	166,953 2,162,975 797,430 793,306 645,814 4,512,479	385,148 1,998,082 922,348 253,390 21,788 39,505 3,620,211	17.477.093 32.800.962 14.238.996 3.786.866 540,554 2.029.391 70.893.864	24,441,480 1572,436 207,734,782 68,377,785 3,019,912 3,523,397 345,399,793	44.182,772 3.254,103 187,632,359 62,511,584 43,145,895 2,971,530 343,696,243	13,379,676 24,727 110,607,639 41,885,695 9,727,432 2008,618 175,833,786	2,605,756 226,576,439 68,645,998 44,967,756 2,443,497 355,239,445	91,864,149 8,424,390 345,304,688 153,414,980 75,476,387 3,663,804 678,148,377
TOTAL NET SALVAGE (\$) (11)	3,020 840 8,944 2,571 127 15,503	6,305 76,245 65,138 40,727 35,812 224,227	19 839 127,212 97,684 14,593 764 3,218 283,310	613.889 2.308.663 1.373.843 277.839 2.26.82 190.684 4.677.892 31,890,076	765.242 43.703 11.005.603 3.283.250 905.196 62.081 16,075.075	1,456,326 94,233 10,436,809 3,036,038 1,050,238 1,050,238 19,558 16,133,342	350 619 585 4,709 659 1,642 677 188,146 3,458 6,895,145	86,309 13,561,540 3,524,540 1,159,486 61,925 18,383,800	2,606,010 212,180 20,164,719 7,081,016 1,268,832 45,666 31,396,422
TS NET SALVAGE (\$) (10)	3,020 840 8,944 2,571 127 15,503	6,305 76,245 65,738 40,727 40,727 224,227	19,839 127,112 97,684 14,593 764 3,218 263,310	613,889 2,308,663 1,373,843 217,639 2,6376 130,884 4,671,692 31,890,076	273,512 17,765 8,360,199 2,115,257 128,342 10,895,075	519,812 38,115 8,016,651 1,915,851 142,913	125,688 231 3,349,376 1,024,270 25,580 4,525,145	27,140 10,381,209 2,237,464 157,987 12,903,800	1,385,862 127,907 17,754,772 5,393,660 284,221 24,946,422
INTERIM RETIREMENTS S NET SALVAGE (%) (9)	(6,6,6,0) (6,0,0) (6,0,0)	(40) (40) (40) (40)	(30) (40) (40) (10) (40)	(30) (40) (15) (10) (40)	(20) (5) (15) (5) (5)	(20) (10) (15) (5) (5)	(20) (5) (15) (5) 0	(20) (10) (15) 0	(20) (10) (15) (15) 0
INTERI RETIREMENTS NE (\$)	10,068 2,101 22,361 17,140 1,268 52,938	21,018 190,613 162,845 271,512 89,529 735,517	66,130 318,029 244,211 27,285 7,285 7,642 8,046 741,342	2,046,295 5,771,657 3,434,607 1,450,925 263,760 15,299,992 95,877,586	1,387,558 355,292 38,801,993 14,101,715 2,566,843 240,331,717	2,599,058 762,288 80,166,508 12,772,343 2,888,256 325,227 99,483,690	628,439 46.14 33,493,764 6,828,467 511,582 12,581 41,479,456	135,700 103,812,090 14,916,429 3,159,733 275,878 122,299,829	6,929,308 2,558,146 177,547,719 35,967,732 5,884,428 484,980 229,162,314
NET SALVAGE (%) (7)		00000	000000	000000	ପ୍ରତ୍ତ୍ରତ୍ତ୍ର	ଞ୍ଜିଷ୍ଟ୍ରିଷ୍ଟ	ଞ୍ଜିଷ୍ଟ୍ରିଷ୍ଟ	ପ୍ରତ୍ରତ୍ରତ୍ର	555555
NET SALVAGE (\$) (6)					491,730 25,939 2,645,404 1,177,993 776,854 62,081 5,180,000	936,514 56,118 2,420,286 1,120,186 907,325 59,598 5,500,000	224,931 355 1,380,283 118,407 182,567 182,567 2,370,000	59,169 3,180,331 1,287,076 1,001,499 51,925 5,580,000	1,220,149 84,273 2,409,947 1,687,356 1,002,610 45,666 6,450,000
\$ / kW	0	0	0	0	01	01	01	01	01
TERMINAL F  MW (PACIFICORP SHARE)  (4)	0	0	0	0	518	959	237	858	845
(\$) MW (3)	389,538 100,674 467,442 184,006 18,868 1,160,528	145,936 1,972,362 634,586 677,794 566,738 3,776,963	319,018 1,680,023 1,881,137 166,145 14,126 31,459 2,876,848	15,40,798 10,048,342 10,844,332 2,345,942 2,70,784 7,70,262 67,509,136 890,366,503	23 073 923 1 217,144 1 112,794 55.276,070 98,453,070 2,913,099 243,096,076	41,583,715 2,491,805 10,466,851 49,739,541 40,287,559 2,646,303 2,447,14,533	12.761,237 20,113 77,113.874 35,057,228 126,630 196,037	2.470.057 132.764.349 53.729.569 41.808.023 2.167.619 232.939.617	84,934,840 5,866,243 19,776,969 117,457,248 99,791,939 64,718,824 44,986,063
ACCOUNT (1)	VIVANALGHEDIN TRECTUTES AND IMPROVEMENTS RESERVOINES, DAMS AND WATERWHERS, RECERVOINES, MAS WAYERWHEELS, ITREBINES AND GENERATORS ACCESSORY ELECTRE COUNTERN MISCELLANEOUS POWER PLANT EQUIPMENT TOTAL VIVA NAUGHT ON	MALLOWA FALLS THE THEST WAS AND MARFOVE HENTS THE THEST OFFICE, DAMES AND WATERWAYS WATERWHEELS, TURBURES AND GENERATORS ACCESSORY ELECTING EQUIPMENT ROADS, RALLES AND ERROGES. TOTAL WALLOWA FALLS	WEBER STRUCTHES AND MAPROVEMENTS RESERVOIRS, DAMS AND WATERWAYS WATERWHEELS, THEMELS AND GENERATORS ACCESSORY ELECTRIC EQUIPMENT MISCELLANEOUS POWER PLANT EQUIPMENT ROADS, RAILROADS AND BROSES TOTAL WEBER	YME.  TO RESERVE AND IMPROVEMENTS OR RESERVOIRS, DAMA SOM WATERWAYS OR ACCESSORY ELECTROE EDUINMENT OR OR ACCESSORY ELECTROE EDUINMENT OR ROADS, RALROADS AND REDICES TOTAL HYDE AUTOMATICAL AND TOTAL TALL TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL HYDE AUTOMATICAL AND TOTAL TALL  TOTAL  TOTAL TALL  TOTAL TALL  TOTAL  TOTAL	OTHER PRODUCTION PLANT OFFICIAL SALE AND ACCESSORIES AS 40 FIREL/THES AND IMPROVEMENTS AS 40 PRIME, MONOFRES PRODUCERS AND ACCESSORIES A44 00 GENERATORS A44 00 GENERATORS A45 00 MISCELLANEOUS POWER PAIR TEOURMENT A55 00 MISCELLANEOUS POWER PAIR TEOURMENT A56 00 MISCELLANEOUS POWER PAIR TEOURMENT	CURRANT CREEK STRUCTURES AND IMPROVEMENTS STRUCTURES AND MODERS PROBLES FRIME MOVERS GREEK TORS ACCESSORY ELECTRE COLUMNENT MISCELLANGOUS FOWER PLANT COURMENT TOTAL CURRANT CREEK	HERMISTON STRUCTRES AND MPROVEMENTS FILEL HOLDERS, PRODUCERS AND ACCESSORIES PRIME MOVERS GENERATORS ACCESSORY ELECTRE COLIDMART MISCELLANEOUS POWER PLANT EXUIPMENT TOTAL HERMISTON	LAME SIDE UNIT 1  341.00 STRUCTURES AND IMPROVEMENTS  343.00 PRINIE MOVERS  344.00 GENERAL MOVERS  345.00 GENERAL STRUCTURES OF THE STRUCTURE	LAME SIDE UNITZ 341.00 THEN DATE OF THE HOLDERS, ROUGHES AND ACCESSORIES 343.00 PRINCH MOVERS PRODUCERS AND ACCESSORIES 343.00 THEN PRINCH EQUIPMENT 346.00 ACCESSORY ELECTRIC EQUIPMENT 346.00 MISCELLANEOUS POWER PLAN FEQUIPMENT 346.00 MISCELLANEOUS POWER PLAN FEQUIPMENT 346.00 MISCELLANEOUS POWER PLAN FEQUIPMENT 346.00 MISCELLANEOUS POWER PLAN FEDILIANEOUS POWER P

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		TERMIN	TERMINAL RETIREMENTS				INTERIM RETIREMENTS		TOTAL		ESTIMATE
ACCOUNT (1)	(\$) (3) (3)	(PACIFICORP SHARE) (4)	\$ / kW	NET SALVAGE (\$) (6)	NET SALVAGE (%) (7)	RETIREMENTS N (8)	NET SALVAGE (%) (9)	NET SALVAGE (\$) (10)	NET SALVAGE (\$) (11)	TOTAL RETIREMENTS (12)	NET SALVAGE (%) (13)
GADSBY FEAKERS AND IMPROVERS AND METOCHER AND IMPROVERS AND METOCHER AND METOCHER AND ACCESSORIES 343.00 PRIME MOVERS PRODUCERS AND ACCESSORIES 344.00 GENERATORS 345.00 ACCESSORY ELECTRIC EQUIPMENT 107AL GADSBY PEAKER UNIT 46	4,208,466 2,541,107 51,754,215 16,651,769 2,883,260 78,038,806		120	64,713 39,075 795,823 26,054 26,054 44,336	ଷ୍ଟିଭିଭିଭିଭି	59,862 184,010 10,691,217 1,183,682 59,791 12,178,562	(20) (5) (10) (15) (5)	11,972 9,201 1,069,122 177,552 2,990 1,270,836	76,686 48,275 1,864,944 433,606 47,325 2,470,836	4,268,328 2,725,117 62,445,432 17,835,451 2,943,041 90,217,369	ଉଉଡିଉଉଡ
DUM AP J WIND 34102 THROUTHES AND IMPROVEMENTS 34302 PRIME MOVERS 34402 ENER MOVER CHAIR COUNMENT 34602 ACCESSOR PELECTRIC EQUIPMENT 346.02 MISCELLAMEDUS POWER PLANT EQUIPMENT TOTAL DUMINAP - WIND	6 789 819 (53,415,900 3,583,121 9,946,294 170,473 173,885,608		#	30,251 685,532 16,011 46,445 777,7000	<u> </u>	1,096,461 21,503,240 1,703,127 2,841,017 19,626 27,173,472	0 (2) (2) (2)	54,823 1,075,162 85,156 142,551 1,387,692	85,074 1,760,694 101,167 186,995 762 2,134,692	7,866,280 174,919,140 5,286,248 12,797,312 190,100 201,059,080	EEQE0E
FOOTE CREEK - WIND 341 02 TRICTUTES AND IMPROVEMENTS 343 02 PRIME MOVERS 344.02 PRIME MOVERS 344.02 CENERATORS 345.02 ACCESSORY ELECTRC EQUIPMENT TOTAL POOTE CREEK - WND	94,147 51,180,265 1,815,821 1,538,876 54,626,089	8	62	495 268,896 9,540 9,540 7 287,000	59999	10,165 5,499,047 880,676 269,330 6,659,218	0000	508 274,952 44,034 13,467 332,961	1,003 543,848 53,574 21,536 619,961	104,312 56,679,302 2,696,496 1,805,207 61,285,317	33833
QLENROCK, WIND 34102 SHICKTOTHES AND IMPROVEMENTS 34302 PRIME MOVERS 34402 GREEN OFFICE TRUE COUPMENT 346.02 MISCELLAMEDUS POWER PLANT ECHAMENT 346.02 MISCELLAMEDUS POWER PLANT ECHAMENT TOTAL GLERROCK, WIND	10,464,210 423,955,233 10,021,801 24,311,457 4,039,146 472,791,847		237	36,718 1,487,635 35,166 85,308 14,173 7	<u> </u>	1,643,218 62,237,215 5,217,964 6,886,094 303,621 76,288,082	0 20 20 20	82,161 3,111,861 260,898 344,303 3,789,223	118,879 4,599,496 296,064 429,611 14,173 5,458,223	12,107,428 486.192,448 15,239,764 31,197,521 4,342,767 549,079,929	£50£0£
OCODONGE HILS. WIND 34.02 STRACCTURES AND IMPROVEMENTS 45.02 PRIME MOVERS 45.02 REFERENTING ECFITAC ECUIPMENT 54.02 ACCESSORIE POWER PLANT EXUMBENT 54.02 MISCELLANGOIS POWER PLANT EXUMBENT 55.02 MISCELLANGOIS POWER PLANT EXUMBENT 50.02 MISCELLANGOIS POWER PLANT EXUMBENT 50.04 GOODWIGE PILLS. WIND	4 722.133 111 702.857 2.819.085 6.538.589 183.867 125.986,511		<b>7</b> 6	24,817 583,353 14,722 34,147 7 658,000	55555	793,409 14,840,248 1,324,627 1,613,732 23,056 18,595,272	0 (2) (2) (2)	39,670 742,012 66,241 80,687 928,611	64.488 1,325,366 80,964 114,833 1,586,611	5,545,542 126,543,105 4,143,912 8,152,301 206,923 144,591,784	££8£0£
94 10 STRUCTONES AND IMPROVEMENTS 94 02 STRUCTONES AND IMPROVEMENTS 94 02 CHRIST END OF SERVINES 94 02 CRESSORY ELECTRIC COLINARIA 96 02 ACCESSORY ELECTRIC COLINARIA 96 02 MISCELLAREDOS POWER PLANT EXUIPMENT TOTAL HIGH PLANS MOTODOS. WIND	6.806.204 177.740.672 4.136,598 11,197.199 145.114 200.799,946		28	30,370 793,106 18,458 53,417 648 7 896,000	<u> </u>	1,085,333 24,507,430 1,946,063 3,369,854 15,542 30,924,223	0 (2) (2) (2)	54,267 1,225,371 97,303 168,493 1,545,434	84,637 2,018,478 115,761 221,910 2,441,434	7,891,537 202,248,101 6,082,662 15,341,053 160,717 231,724,069	30333
14 LOS TRANSOLANDER - WIND 34 LOS TRACTOTHES AND IMPROVEMENTS 34 LOS TRACTORES AND IMPROVEMENTS 34 LOS TRACTORES AND IMPROVER THAT EQUIPMENT 34 LOS MISCELLANDOIS OWNER THAT EQUIPMENT 34 LOS MISCELLANDOIS OWNER THAT EQUIPMENT TOTAL LEANING AUPRER - WIND	4.257.609 96.922.326 1.827.614 6.644.465 105.550 105.550		101	27,425 624,322 11,773 42,800 680 7	595959	780,526 16,597,382 867,055 2,093,539 13,486 20,351,988	0 20 20 20	39,026 829,869 43,353 104,677 1,016,925	66,452 1,454,191 55,125 147,477 17,23,925	5,038,134 113,519,708 2,694,669 8,738,005 119,036	338833
MARENCO, VINDA 34 10 20 20 20 20 20 20 20 20 20 20 20 20 20	8.854.658 275.774.715 8.238.680 12.881.005 3.88.911 306.097.969		211	42,726 1,330,683 39,754 82,058 62,058 7,7400	<u> </u>	1,521,793 37,938,970 3,937,808 3,864,459 47,208 47,310,237	0 (2) (2) (2)	76,090 1,886,948 196,890 193,223 2,363,151	118,816 3,227,631 236,644 255,281 1,780 3,840,151	10,376,451 31,773,885 12,176,488 16,725,464 416,119 353,408,206	EE000-E
SALOS STRUCTONES NO IMPROVEMBATS 34.02 STRUCTONES NO IMPROVEMBATS 34.02 CHRIENIONES NO SECRETO E COUNSELS 346.02 MISCELLANEOUS POWER PLANT EXCUIPMENT 346.02 MISCELLANEOUS POWER PLANT EXCUIPMENT 376.02 MISCELLANEOUS POWER PLANT EXCUIPMENT	5,522,868 167,405,506 3,910,521 (0,882,999 826,992 1885,528,877		119	24,402 739,668 17,278 47,997 7 833,000	<u> </u>	905,934 23,545,705 1,839,369 3,171,913 89,840 29,552,761	0 (2) (2) (2)	45,297 1,177,285 91,968 158,596 1,473,146	69,699 1,916,953 109,247 206,593 3,654 2,306,146	6,428,802 190,951,212 5,749,890 14,034,912 916,822 218,081,638	EE@E•E
THE ATTES WIND 34.10. STRACTURES AND IMPROVEMENTS 34.50. THE MINORS 34.40. CREEKATORS 34.60. ACCESSORY ELECTRE COUMMENT 34.60. MISCELLANEOUS POWER PLATE CALIMIENT 34.60. MISCELLANEOUS FORWER PLATES. WIND	16,130,721 473,667,823 12,065,564 25,487,071 2,800,804 530,143,093		200	42.598 1,250.860 31.839 67,306 7.997 7	<u>ම්බ්ම්ම්ම්</u> ම්	1,611,009 49,713,212 5,685,146 4,082,479 156,061 61,247,907	0 20 20 20	80.550 2,485,661 284,257 204,124 3,054,592	123,148 3,736,521 316,096 271,430 7,397 4,454,592	17.741,730 523,881,035 17.741,730 29,569,550 2,956,955 591,391,000	€€&€∘€



			CALCULATION OF WEI	GHTED NET	UTAH, WYOMING AND IDAHO CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2020	D IDAHO GENERATION PLANT AS	S OF DECEMBER 31, 2020					
			TERMINAL	TERMINAL RETIREMENTS	ø		INI	INTERIM RETIREMENTS	S	TOTAL		ESTIMATED
ACCOUNT	RETIREMENTS (\$)	WW	MW (PACIFICORP SHARE)	\$ / KW	NETS	NET SALVAGE (%)	RETIREMENTS (\$)	NET SALVAGE (%)	NET SALVAGE (\$)	NET SALVAGE (\$)	TOTAL RETIREMENTS	NET SALVAGE (%)
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		3	(4)	(2)	(9)	(4)	(8)	(6)	(10)	(11)	(12)	(13)
341.02 STRUCTURES AND IMPROVEMENTS	8,687,974				106,495	Ð	867,686	(2)	43,384	149,879	9,555,660	(2)
343.02 PRIME MOVERS	255,116,534				3,127,151	:E3	26,775,436	:©:	1,338,772	4,465,923	281,891,970	(B)
344.02 GENERATORS 345.02 ACCESSORY FLECTRIC FOLIPMENT	6,493,652				79,597	€€	3,062,008	9 9	153,100	232,698	9,555,660	(S) (S)
346.02 MISCELLANEOUS POWER PLANT EQUIPMENT	1,508,556				18,491	33	84,054	0		18,491	1,592,610	Œ
TOTAL EKOLA FLATS - WIND	285,534,001		200	7	3,500,000	Ξ	32,987,999		1,645,197	5,145,197	318,522,000	(2)
CEDAR SPRINGS - WIND												
341.02 STRUCTURES AND IMPROVEMENTS	7,801,044				53,247	€	779,106	(2)	38,955	92,203	8,580,150	£
343.02 PRIME MOVERS	229,072,417				1,563,575	Đ:	24,042,008	(2)	1,202,100	2,765,676	253,114,425	Ē
345.02 GENERALORS 345.03 ACCESSODY ELECTED FOLIDMENT	3,830,733				38,788	33	1 074 344	9 (9	137,47	182 850	9,380,130	ý E
346.02 MISCELLANEOUS POWER PLANT EQUIPMENT	1.354.552				9.246	33	75,473	0	11,000	9.246	1,430,025	33
TOTAL CEDAR SPRINGS - WIND	256,384,651		250	7	1,750,000	ΞΞ	29,620,349		1,477,244	3,227,244	286,005,000	E
SOLAR GENERATING												
344.00 GENERATORS - ATLANTIC CITY	5,546					0		0			5,546	0
344.00 GENERATORS - CANYON LANDS	36,389					0 0		0 0			36,389	0 0
344.00 GENERALORS - GREEN RIVER	/80'99					0 (		0 0			780,65	0 0
344.00 GENERATORS - OREGON HIGH DESERT TOTAL SOLAR GENERATING	153.344		0	0		00		0			153.344	00
												•
TOTAL OTHER PRODUCTION PLANT	4,086,298,855				40,224,000		987,649,076		84,068,796	124,292,796	5,073,947,930	
TOTAL PRODUCTION PLANT	11,353,418,544				330.097.000		1.888.405.360		272.691.026	602.788.026	13.241.823.904	

