

**BEFORE THE**  
**WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND ) DOCKETS UE-240004,  
TRANSPORTATION COMMISSION, ) UG-240005, and UE-230810  
) (*Consolidated*)  
Complainant, )  
)  
v. )  
)  
PUGET SOUND ENERGY, )  
)  
Respondent. )  
\_\_\_\_\_)  
)  
In the Matter of the Petition of )  
)  
PUGET SOUND ENERGY )  
)  
Petitioner, )  
)  
For an Accounting Order Authorizing )  
deferred accounting treatment of )  
purchased power agreement expenses )  
pursuant to RCW 80.28.410 )  
\_\_\_\_\_)

**EXHIBIT LDK-4**  
**DEPRECIATION STUDY**

Vintage	38020	43.0	31.4	OC/ASL	CAD	Future Acc	RL Accrual
	Original Cost	ASL	ARL				
1900	-	-	-	-	-	-	-
1901	-	50.00	-	-	-	-	-
1902	-	50.00	-	-	-	-	-
1903	-	50.00	-	-	-	-	-
1904	-	50.00	-	-	-	-	-
1905	-	50.00	-	-	-	-	-
1906	-	50.00	-	-	-	-	-
1907	-	50.00	-	-	-	-	-
1908	-	50.00	-	-	-	-	-
1909	-	50.00	-	-	-	-	-
1910	-	50.00	-	-	-	-	-
1911	-	50.00	-	-	-	-	-
1912	-	50.00	-	-	-	-	-
1913	-	50.00	-	-	-	-	-
1914	-	50.00	-	-	-	-	-
1915	-	50.00	-	-	-	-	-
1916	-	50.00	-	-	-	-	-
1917	-	50.00	-	-	-	-	-
1918	-	50.00	-	-	-	-	-
1919	-	50.00	-	-	-	-	-
1920	-	50.00	-	-	-	-	-
1921	-	50.00	-	-	-	-	-
1922	-	50.00	-	-	-	-	-
1923	-	50.00	-	-	-	-	-
1924	-	50.00	-	-	-	-	-
1925	-	50.00	-	-	-	-	-
1926	-	50.00	-	-	-	-	-
1927	-	50.00	-	-	-	-	-
1928	-	50.00	-	-	-	-	-
1929	-	50.00	-	-	-	-	-
1930	-	50.00	0.50	-	-	-	-
1931	-	50.00	0.52	-	-	-	-
1932	-	50.00	0.70	-	-	-	-
1933	-	50.00	0.93	-	-	-	-
1934	-	50.00	1.17	-	-	-	-
1935	-	50.00	1.42	-	-	-	-
1936	-	50.00	1.69	-	-	-	-
1937	-	50.00	1.95	-	-	-	-
1938	-	50.00	2.22	-	-	-	-
1939	-	50.00	2.50	-	-	-	-
1940	-	50.00	2.76	-	-	-	-
1941	-	50.00	3.02	-	-	-	-
1942	-	50.00	3.26	-	-	-	-
1943	-	50.00	3.49	-	-	-	-
1944	-	50.00	3.71	-	-	-	-
1945	-	50.00	3.93	-	-	-	-
1946	-	50.00	4.14	-	-	-	-
1947	-	50.00	4.34	-	-	-	-
1948	-	50.00	4.55	-	-	-	-
1949	-	50.00	4.76	-	-	-	-
1950	-	50.00	4.97	-	-	-	-
1951	-	49.99	5.18	-	-	-	-
1952	-	49.99	5.39	-	-	-	-
1953	-	49.99	5.61	-	-	-	-
1954	-	49.98	5.82	-	-	-	-
1955	-	49.98	6.04	-	-	-	-
1956	-	49.97	6.26	-	-	-	-
1957	-	49.97	6.49	-	-	-	-
1958	-	49.96	6.72	-	-	-	-
1959	-	49.95	6.95	-	-	-	-
1960	-	49.93	7.19	-	-	-	-
1961	-	49.92	7.44	-	-	-	-
1962	-	49.90	7.69	-	-	-	-
1963	-	49.88	7.96	-	-	-	-
1964	-	49.86	8.23	-	-	-	-
1965	-	49.84	8.52	-	-	-	-
1966	-	49.81	8.81	-	-	-	-
1967	-	49.77	9.12	-	-	-	-
1968	-	49.74	9.44	-	-	-	-
1969	-	49.69	9.78	-	-	-	-

Exhibit LDK-4  
Dockets UE-240004 & UG-240005  
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1970	-	49.65	10.12	-	-	-	-
1971	-	49.60	10.48	-	-	-	-
1972	-	49.54	10.85	-	-	-	-
1973	-	49.48	11.24	-	-	-	-
1974	772,485.85	49.41	11.64	15,635.12	590,565.39	181,920.46	15,635.12
1975	961,909.23	49.33	12.04	19,498.55	727,059.53	234,849.70	19,498.55
1976	1,667,318.36	49.25	12.47	33,853.29	1,245,324.60	421,993.76	33,853.29
1977	1,511,573.53	49.16	12.90	30,745.71	1,115,026.00	396,547.53	30,745.71
1978	1,965,216.84	49.07	13.34	40,049.68	1,430,918.48	534,298.36	40,049.68
1979	3,168,468.17	48.97	13.79	64,704.23	2,275,897.64	892,570.53	64,704.23
1980	5,294,671.10	48.86	14.26	108,362.65	3,749,594.01	1,545,077.09	108,362.65
1981	4,352,769.91	48.75	14.73	89,294.96	3,037,301.30	1,315,468.61	89,294.96
1982	3,815,929.42	48.62	15.21	78,477.63	2,621,957.12	1,193,972.30	78,477.63
1983	4,630,828.12	48.50	15.71	95,488.77	3,131,147.48	1,499,680.64	95,488.77
1984	5,374,185.93	48.36	16.20	111,126.65	3,573,409.34	1,800,776.59	111,126.65
1985	6,584,450.34	48.22	16.71	136,552.71	4,302,375.08	2,282,075.26	136,552.71
1986	9,364,746.88	48.07	17.23	194,811.65	6,008,738.95	3,356,007.93	194,811.65
1987	12,518,296.36	47.92	17.75	261,254.77	7,881,261.20	4,637,035.16	261,254.77
1988	13,620,881.74	47.76	18.28	285,223.58	8,407,494.30	5,213,387.44	285,223.58
1989	15,318,650.92	47.59	18.81	321,900.71	9,262,355.80	6,056,295.12	321,900.71
1990	20,641,394.31	47.42	19.36	435,331.88	12,214,820.61	8,426,573.70	435,331.88
1991	24,784,025.86	47.24	19.91	524,675.54	14,340,067.67	10,443,958.19	524,675.54
1992	26,040,032.12	47.05	20.46	553,419.10	14,716,691.39	11,323,340.73	553,419.10
1993	22,261,149.73	46.86	21.02	475,016.42	12,275,369.78	9,985,779.95	475,016.42
1994	18,782,408.85	46.67	21.59	402,451.94	10,093,769.73	8,688,639.12	402,451.94
1995	11,371,636.35	46.47	22.16	244,702.99	5,948,412.93	5,423,223.42	244,702.99
1996	21,779,824.12	46.27	22.74	470,733.03	11,074,637.34	10,705,186.78	470,733.03
1997	23,323,121.39	46.06	23.33	506,360.71	11,511,583.44	11,811,537.95	506,360.71
1998	29,402,302.15	45.85	23.92	641,291.27	14,064,660.39	15,337,641.76	641,291.27
1999	44,205,478.36	45.63	24.51	968,717.28	20,459,428.08	23,746,050.28	968,717.28
2000	28,326,100.71	45.41	25.11	623,734.42	12,661,351.02	15,664,749.69	623,734.42
2001	24,204,234.18	45.19	25.72	535,599.26	10,427,848.88	13,776,385.30	535,599.26
2002	15,848,760.91	44.96	26.33	352,470.03	6,566,902.76	9,281,858.15	352,470.03
2003	15,512,920.25	44.74	26.95	346,768.88	6,167,056.75	9,345,863.50	346,768.88
2004	15,982,251.58	44.50	27.57	359,124.05	6,079,801.36	9,902,450.22	359,124.05
2005	17,505,171.83	44.27	28.20	395,432.30	6,353,383.15	11,151,788.68	395,432.30
2006	27,862,074.10	44.03	28.83	632,785.79	9,616,338.83	18,245,735.27	632,785.79
2007	33,656,283.16	43.79	29.47	768,571.49	11,005,572.08	22,650,711.08	768,571.49
2008	48,145,446.32	43.55	30.11	1,105,565.87	14,853,569.24	33,291,877.08	1,105,565.87
2009	47,401,431.88	43.30	30.76	1,094,631.04	13,731,441.38	33,669,990.50	1,094,631.04
2010	41,844,839.24	43.06	31.41	971,851.48	11,319,224.67	30,525,614.57	971,851.48
2011	36,465,249.91	42.81	32.06	851,830.03	9,151,798.56	27,313,451.35	851,830.03
2012	49,240,113.97	42.56	32.72	1,157,022.77	11,378,715.81	37,861,398.16	1,157,022.77
2013	52,355,369.76	42.31	33.39	1,237,558.92	11,038,665.85	41,316,703.91	1,237,558.92
2014	63,517,090.49	42.05	34.05	1,510,459.62	12,083,141.44	51,433,949.05	1,510,459.62
2015	55,205,437.03	41.80	34.72	1,320,826.40	9,344,240.77	45,861,196.26	1,320,826.40
2016	60,299,610.61	41.54	35.39	1,451,625.94	8,919,741.03	51,379,869.58	1,451,625.94
2017	72,206,732.83	41.28	36.07	1,749,140.49	9,113,423.53	63,093,309.30	1,749,140.49
2018	82,246,970.20	41.02	36.75	2,004,950.71	8,564,150.83	73,682,819.37	2,004,950.71
2019	80,465,548.63	40.76	37.43	1,974,059.08	6,571,061.89	73,894,486.74	1,974,059.08
2020	70,152,373.39	40.50	38.12	1,732,160.47	4,126,106.65	66,026,266.74	1,732,160.47
2021	72,022,503.14	40.24	38.81	1,789,939.75	2,562,807.47	69,459,695.67	1,789,939.75
2022	62,843,266.19	39.97	39.50	1,572,106.47	751,592.92	62,091,673.27	1,572,106.47
2023	33,289,982.96	39.71	39.71	838,335.91	-	33,289,982.96	838,335.91
<b>1,440,113,519.21</b>		<b>5,913.06</b>		<b>33,486,231.98</b>	<b>388,447,804.46</b>	<b>1,051,665,714.75</b>	<b>33,486,231.98</b>

Vintage	38030	46.9	18.9	OC/ASL	CAD	Future Acc	RL Accrual
	Original Cost	ASL	ARL				
1900	-	-	-	-	-	-	-
1901	-	50.00	-	-	-	-	-
1902	-	50.00	-	-	-	-	-
1903	-	50.00	-	-	-	-	-
1904	-	50.00	-	-	-	-	-
1905	-	50.00	-	-	-	-	-
1906	-	50.00	-	-	-	-	-
1907	-	50.00	-	-	-	-	-
1908	-	50.00	-	-	-	-	-
1909	-	50.00	-	-	-	-	-
1910	-	50.00	-	-	-	-	-
1911	-	50.00	-	-	-	-	-
1912	-	50.00	-	-	-	-	-
1913	-	50.00	-	-	-	-	-
1914	-	50.00	-	-	-	-	-
1915	-	50.00	-	-	-	-	-
1916	-	50.00	-	-	-	-	-
1917	-	50.00	-	-	-	-	-
1918	-	50.00	-	-	-	-	-
1919	-	50.00	-	-	-	-	-
1920	-	50.00	-	-	-	-	-
1921	-	50.00	-	-	-	-	-
1922	-	50.00	-	-	-	-	-
1923	-	50.00	-	-	-	-	-
1924	-	50.00	-	-	-	-	-
1925	-	50.00	-	-	-	-	-
1926	-	50.00	-	-	-	-	-
1927	-	50.00	-	-	-	-	-
1928	-	50.00	-	-	-	-	-
1929	-	50.00	-	-	-	-	-
1930	-	50.00	0.50	-	-	-	-
1931	-	50.00	0.52	-	-	-	-
1932	-	50.00	0.70	-	-	-	-
1933	-	50.00	0.93	-	-	-	-
1934	-	50.00	1.17	-	-	-	-
1935	-	50.00	1.42	-	-	-	-
1936	-	50.00	1.69	-	-	-	-
1937	-	50.00	1.95	-	-	-	-
1938	-	50.00	2.22	-	-	-	-
1939	-	50.00	2.50	-	-	-	-
1940	-	50.00	2.76	-	-	-	-
1941	-	50.00	3.02	-	-	-	-
1942	-	50.00	3.26	-	-	-	-
1943	-	50.00	3.49	-	-	-	-
1944	-	50.00	3.71	-	-	-	-
1945	-	50.00	3.93	-	-	-	-
1946	-	50.00	4.14	-	-	-	-
1947	-	50.00	4.34	-	-	-	-
1948	-	50.00	4.55	-	-	-	-
1949	-	50.00	4.76	-	-	-	-
1950	-	50.00	4.97	-	-	-	-
1951	-	49.99	5.18	-	-	-	-
1952	-	49.99	5.39	-	-	-	-
1953	-	49.99	5.61	-	-	-	-
1954	-	49.98	5.82	-	-	-	-
1955	-	49.98	6.04	-	-	-	-
1956	-	49.97	6.26	-	-	-	-
1957	-	49.97	6.49	-	-	-	-
1958	-	49.96	6.72	-	-	-	-
1959	-	49.95	6.95	-	-	-	-
1960	-	49.93	7.19	-	-	-	-
1961	-	49.92	7.44	-	-	-	-
1962	-	49.90	7.69	-	-	-	-
1963	-	49.88	7.96	-	-	-	-
1964	-	49.86	8.23	-	-	-	-
1965	780,772.69	49.84	8.52	15,667.14	647,326.65	133,446.04	15,667.14
1966	1,355,987.97	49.81	8.81	27,225.52	1,116,017.75	239,970.22	27,225.52
1967	7,378,396.97	49.77	9.12	148,242.01	6,026,037.97	1,352,359.00	148,242.01
1968	2,557,981.91	49.74	9.44	51,431.87	2,072,288.47	485,693.44	51,431.87
1969	2,068,106.21	49.69	9.78	41,617.17	1,661,222.00	406,884.21	41,617.17

Exhibit LDK-4  
Dockets UE-240004 & UG-240005  
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1970	3,207,840.16	49.65	10.12	64,612.95	2,553,761.84	654,078.32	64,612.95
1971	1,838,523.57	49.60	10.48	37,070.47	1,449,948.71	388,574.86	37,070.47
1972	1,903,790.43	49.54	10.85	38,430.64	1,486,667.96	417,122.47	38,430.64
1973	2,215,952.79	49.48	11.24	44,788.74	1,712,598.38	503,354.41	44,788.74
1974	1,227,928.35	49.41	11.64	24,853.29	938,751.16	289,177.19	24,853.29
1975	475,194.39	49.33	12.04	9,632.51	359,175.90	116,018.49	9,632.51
1976	414,112.30	49.25	12.47	8,408.15	309,301.60	104,810.70	8,408.15
1977	906,332.50	49.16	12.90	18,434.99	668,564.43	237,768.07	18,434.99
1978	43,148.35	49.07	13.34	879.33	31,417.28	11,731.07	879.33
1979	-	48.97	13.79	-	-	-	-
1980	35,320.79	48.86	14.26	722.89	25,013.57	10,307.22	722.89
1981	69,193.70	48.75	14.73	1,419.48	48,282.39	20,911.31	1,419.48
1982	87,815.54	48.62	15.21	1,806.00	60,338.79	27,476.75	1,806.00
1983	128,112.93	48.50	15.71	2,641.72	86,623.92	41,489.01	2,641.72
1984	33,671.82	48.36	16.20	696.26	22,389.10	11,282.72	696.26
1985	32,530.75	48.22	16.71	674.64	21,256.06	11,274.69	674.64
1986	13,306.91	48.07	17.23	276.82	8,538.16	4,768.75	276.82
1987	58,795.08	47.92	17.75	1,227.04	37,016.17	21,778.91	1,227.04
1988	185,627.38	47.76	18.28	3,887.07	114,578.57	71,048.81	3,887.07
1989	10,791.18	47.59	18.81	226.76	6,524.84	4,266.34	226.76
1990	-	47.42	19.36	-	-	-	-
1991	63,221.56	47.24	19.91	1,338.39	36,580.07	26,641.49	1,338.39
1992	64,598.05	47.05	20.46	1,372.88	36,508.00	28,090.05	1,372.88
1993	149,605.75	46.86	21.02	3,192.34	82,496.45	67,109.30	3,192.34
1994	5,800.38	46.67	21.59	124.29	3,117.16	2,683.22	124.29
1995	2.26	46.47	22.16	0.05	1.18	1.08	0.05
1996	45,263.41	46.27	22.74	978.29	23,015.61	22,247.80	978.29
1997	47,449.77	46.06	23.33	1,030.17	23,419.76	24,030.01	1,030.17
1998	706,992.96	45.85	23.92	15,420.17	338,191.75	368,801.21	15,420.17
1999	25,175.11	45.63	24.51	551.69	11,651.69	13,523.42	551.69
2000	34,597.10	45.41	25.11	761.82	15,464.40	19,132.70	761.82
2001	67,896.85	45.19	25.72	1,502.44	29,251.83	38,645.02	1,502.44
2002	54,020.83	44.96	26.33	1,201.40	22,383.42	31,637.41	1,201.40
2003	57,968.88	44.74	26.95	1,295.81	23,045.14	34,923.74	1,295.81
2004	301,149.09	44.50	27.57	6,766.87	114,559.99	186,589.10	6,766.87
2005	26,217.28	44.27	28.20	592.23	9,515.38	16,701.90	592.23
2006	504,904.31	44.03	28.83	11,467.07	174,263.08	330,641.23	11,467.07
2007	104,248.94	43.79	29.47	2,380.62	34,089.30	70,159.64	2,380.62
2008	241,070.64	43.55	30.11	5,535.72	74,373.79	166,696.85	5,535.72
2009	373,730.39	43.30	30.76	8,630.48	108,263.75	265,466.64	8,630.48
2010	597,667.14	43.06	31.41	13,880.89	161,671.76	435,995.38	13,880.89
2011	672,924.38	42.81	32.06	15,719.55	168,885.95	504,038.43	15,719.55
2012	697,860.52	42.56	32.72	16,398.02	161,266.01	536,594.51	16,398.02
2013	307,343.11	42.31	33.39	7,264.87	64,800.57	242,542.54	7,264.87
2014	1,474,354.21	42.05	34.05	35,060.68	280,473.02	1,193,881.19	35,060.68
2015	545,832.77	41.80	34.72	13,059.41	92,389.32	453,443.45	13,059.41
2016	1,128,029.02	41.54	35.39	27,155.67	166,862.22	961,166.80	27,155.67
2017	1,236,113.05	41.28	36.07	29,943.68	156,013.45	1,080,099.60	29,943.68
2018	989,921.07	41.02	36.75	24,131.50	103,077.76	886,843.31	24,131.50
2019	844,885.67	40.76	37.43	20,727.56	68,995.94	775,889.73	20,727.56
2020	1,292,246.75	40.50	38.12	31,907.38	76,005.24	1,216,241.51	31,907.38
2021	314,297.76	40.24	38.81	7,811.09	11,183.79	303,113.97	7,811.09
2022	354,382.22	39.97	39.50	8,865.33	4,238.34	350,143.88	8,865.33
2023	28,686.26	39.71	39.71	722.40	-	28,686.26	722.40
	<b>40,387,692.16</b>	<b>5,913.06</b>		<b>861,664.21</b>	<b>24,139,696.82</b>	<b>16,247,995.34</b>	<b>861,664.21</b>

Vintage	38100	36.8	26.3	OC/ASL	CAD	Future Acc	RL Accrual
	Original Cost	ASL	ARL				
1900	-	-	-	-	-	-	-
1901	-	42.00	-	-	-	-	-
1902	-	42.00	-	-	-	-	-
1903	-	42.00	-	-	-	-	-
1904	-	42.00	-	-	-	-	-
1905	-	42.00	-	-	-	-	-
1906	-	42.00	-	-	-	-	-
1907	-	42.00	-	-	-	-	-
1908	-	42.00	-	-	-	-	-
1909	-	42.00	-	-	-	-	-
1910	-	42.00	-	-	-	-	-
1911	-	42.00	-	-	-	-	-
1912	-	42.00	-	-	-	-	-
1913	-	42.00	-	-	-	-	-
1914	-	42.00	-	-	-	-	-
1915	-	42.00	-	-	-	-	-
1916	-	42.00	-	-	-	-	-
1917	-	42.00	-	-	-	-	-
1918	-	42.00	-	-	-	-	-
1919	-	42.00	-	-	-	-	-
1920	-	42.00	-	-	-	-	-
1921	-	42.00	-	-	-	-	-
1922	-	42.00	-	-	-	-	-
1923	-	42.00	-	-	-	-	-
1924	-	42.00	-	-	-	-	-
1925	-	42.00	-	-	-	-	-
1926	-	42.00	-	-	-	-	-
1927	-	42.00	-	-	-	-	-
1928	-	42.00	-	-	-	-	-
1929	-	42.00	-	-	-	-	-
1930	-	42.00	-	-	-	-	-
1931	-	42.00	-	-	-	-	-
1932	-	42.00	-	-	-	-	-
1933	-	42.00	-	-	-	-	-
1934	-	42.00	-	-	-	-	-
1935	-	42.00	-	-	-	-	-
1936	-	42.00	-	-	-	-	-
1937	-	42.00	-	-	-	-	-
1938	-	42.00	-	-	-	-	-
1939	-	42.00	-	-	-	-	-
1940	-	42.00	-	-	-	-	-
1941	-	42.00	-	-	-	-	-
1942	-	42.00	-	-	-	-	-
1943	-	42.00	-	-	-	-	-
1944	-	42.00	-	-	-	-	-
1945	-	42.00	0.50	-	-	-	-
1946	-	42.00	0.55	-	-	-	-
1947	-	42.00	0.74	-	-	-	-
1948	-	42.00	0.97	-	-	-	-
1949	-	42.00	1.22	-	-	-	-
1950	-	42.00	1.47	-	-	-	-
1951	-	42.00	1.74	-	-	-	-
1952	-	42.00	2.01	-	-	-	-
1953	-	42.00	2.29	-	-	-	-
1954	116.65	42.00	2.57	2.78	109.52	7.13	2.78
1955	595.75	42.00	2.85	14.18	555.36	40.39	14.18
1956	5,163.69	42.00	3.13	122.95	4,778.79	384.90	122.95
1957	4,956.95	42.00	3.42	118.02	4,553.82	403.13	118.02
1958	1,358.29	42.00	3.70	32.34	1,238.70	119.59	32.34
1959	17,577.50	42.00	3.98	418.52	15,911.30	1,666.20	418.52
1960	38,027.06	42.00	4.26	905.45	34,167.20	3,859.86	905.45
1961	29,147.51	42.00	4.54	694.05	25,994.25	3,153.26	694.05
1962	116,807.62	41.99	4.82	2,781.49	103,388.23	13,419.39	2,781.49
1963	167,682.35	41.99	5.10	3,993.20	147,302.09	20,380.26	3,993.20
1964	17,719.09	41.99	5.38	422.00	15,446.80	2,272.29	422.00
1965	129,617.07	41.98	5.67	3,087.32	112,120.78	17,496.29	3,087.32
1966	6,398.62	41.98	5.95	152.43	5,491.50	907.12	152.43
1967	260,583.62	41.97	6.24	6,208.81	221,845.32	38,738.30	6,208.81
1968	90,258.92	41.96	6.53	2,151.05	76,210.20	14,048.72	2,151.05
1969	207,674.95	41.95	6.83	4,950.68	173,870.93	33,804.02	4,950.68

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1970	53,961.72	41.93	7.13	1,286.81	44,784.68	9,177.04	1,286.81
1971	98,659.98	41.92	7.44	2,353.66	81,146.22	17,513.76	2,353.66
1972	153,001.91	41.90	7.76	3,651.79	124,670.22	28,331.69	3,651.79
1973	109,414.21	41.87	8.08	2,612.91	88,292.99	21,121.22	2,612.91
1974	163,779.21	41.85	8.42	3,913.73	130,838.24	32,940.97	3,913.73
1975	77,419.11	41.82	8.76	1,851.41	61,202.69	16,216.42	1,851.41
1976	83,474.57	41.78	9.11	1,997.92	65,273.28	18,201.29	1,997.92
1977	228,015.12	41.74	9.47	5,462.67	176,280.80	51,734.32	5,462.67
1978	321,920.38	41.70	9.84	7,720.74	245,946.93	75,973.45	7,720.74
1979	534,808.07	41.65	10.22	12,842.03	403,569.24	131,238.83	12,842.03
1980	454,612.61	41.59	10.61	10,931.02	338,656.28	115,956.33	10,931.02
1981	323,433.13	41.53	11.01	7,788.41	237,713.73	85,719.40	7,788.41
1982	586,995.35	41.46	11.41	14,158.21	425,401.13	161,594.22	14,158.21
1983	371,793.14	41.39	11.83	8,983.61	265,518.67	106,274.47	8,983.61
1984	115,803.92	41.31	12.26	2,803.61	81,443.62	34,360.30	2,803.61
1985	477,405.69	41.22	12.69	11,582.37	330,421.22	146,984.47	11,582.37
1986	1,264,539.89	41.12	13.13	30,748.95	860,693.79	403,846.10	30,748.95
1987	569,734.61	41.02	13.59	13,887.76	381,056.24	188,678.37	13,887.76
1988	1,235,911.14	40.92	14.05	30,205.32	811,639.01	424,272.13	30,205.32
1989	1,194,693.98	40.80	14.52	29,279.60	769,697.31	424,996.67	29,279.60
1990	1,646,053.36	40.68	14.99	40,461.40	1,039,456.08	606,597.28	40,461.40
1991	1,747,121.12	40.55	15.48	43,080.90	1,080,385.51	666,735.61	43,080.90
1992	1,961,849.08	40.42	15.97	48,536.51	1,186,765.61	775,083.47	48,536.51
1993	839,006.23	40.28	16.47	20,829.82	495,962.11	343,044.12	20,829.82
1994	1,580,730.69	40.13	16.98	39,388.65	912,066.84	668,663.85	39,388.65
1995	1,888,529.52	39.98	17.49	47,239.45	1,062,281.30	826,248.22	47,239.45
1996	2,184,300.50	39.82	18.01	54,857.43	1,196,216.29	988,084.21	54,857.43
1997	3,068,132.39	39.65	18.54	77,377.09	1,633,536.94	1,434,595.45	77,377.09
1998	454,054.95	39.48	19.08	11,500.96	234,670.04	219,384.91	11,500.96
1999	4,395,287.02	39.30	19.62	111,833.27	2,201,480.69	2,193,806.33	111,833.27
2000	1,974,070.99	39.12	20.17	50,463.15	956,477.29	1,017,593.70	50,463.15
2001	1,775,097.77	38.93	20.72	45,596.35	830,369.04	944,728.73	45,596.35
2002	3,809,649.89	38.74	21.28	98,345.84	1,716,846.86	2,092,803.03	98,345.84
2003	1,536,158.89	38.54	21.85	39,859.87	665,344.91	870,813.98	39,859.87
2004	1,711,668.25	38.34	22.42	44,649.05	710,661.96	1,001,006.29	44,649.05
2005	1,812,970.12	38.13	23.00	47,548.75	719,430.89	1,093,539.23	47,548.75
2006	2,484,054.27	37.92	23.58	65,512.89	939,082.63	1,544,971.64	65,512.89
2007	3,190,049.28	37.70	24.17	84,613.65	1,144,704.54	2,045,344.74	84,613.65
2008	3,109,955.41	37.48	24.77	82,972.34	1,054,841.10	2,055,114.31	82,972.34
2009	2,535,447.98	37.26	25.37	68,049.92	809,034.90	1,726,413.08	68,049.92
2010	2,002,044.54	37.03	25.98	54,062.56	597,687.38	1,404,357.16	54,062.56
2011	1,392,185.45	36.80	26.59	37,829.02	386,367.51	1,005,817.94	37,829.02
2012	2,080,843.68	36.57	27.21	56,901.87	532,800.01	1,548,043.67	56,901.87
2013	1,843,699.35	36.33	27.83	50,744.53	431,583.15	1,412,116.20	50,744.53
2014	2,629,852.38	36.09	28.46	72,860.88	556,584.76	2,073,267.62	72,860.88
2015	2,649,768.95	35.85	29.09	73,907.06	500,016.66	2,149,752.29	73,907.06
2016	2,391,339.48	35.61	29.72	67,155.88	395,182.86	1,996,156.62	67,155.88
2017	2,929,503.34	35.36	30.37	82,842.05	413,949.42	2,515,553.92	82,842.05
2018	3,977,772.98	35.11	31.01	113,281.57	464,704.13	3,513,068.85	113,281.57
2019	6,237,496.28	34.86	31.66	178,912.06	572,721.95	5,664,774.33	178,912.06
2020	8,045,129.37	34.61	32.32	232,444.54	533,214.69	7,511,914.68	232,444.54
2021	4,691,217.60	34.36	32.98	136,544.81	188,504.21	4,502,713.39	136,544.81
2022	20,277,773.20	34.10	33.64	594,646.62	274,447.64	20,003,325.56	594,646.62
2023	2,980,211.22	33.84	33.84	88,060.27	-	2,980,211.22	88,060.27
<b>117,346,088.91</b>		<b>5,007.31</b>		<b>3,193,028.80</b>	<b>33,304,610.98</b>	<b>84,041,477.93</b>	<b>3,193,028.80</b>

Vintage	38200	39.5	27.0	OC/ASL	CAD	Future Acc	RL Accrual
	Original Cost	ASL	ARL				
1900	-	-	-	-	-	-	-
1901	-	45.00	-	-	-	-	-
1902	-	45.00	-	-	-	-	-
1903	-	45.00	-	-	-	-	-
1904	-	45.00	-	-	-	-	-
1905	-	45.00	-	-	-	-	-
1906	-	45.00	-	-	-	-	-
1907	-	45.00	-	-	-	-	-
1908	-	45.00	-	-	-	-	-
1909	-	45.00	-	-	-	-	-
1910	-	45.00	-	-	-	-	-
1911	-	45.00	-	-	-	-	-
1912	-	45.00	-	-	-	-	-
1913	-	45.00	-	-	-	-	-
1914	-	45.00	-	-	-	-	-
1915	-	45.00	-	-	-	-	-
1916	-	45.00	-	-	-	-	-
1917	-	45.00	-	-	-	-	-
1918	-	45.00	-	-	-	-	-
1919	-	45.00	-	-	-	-	-
1920	-	45.00	-	-	-	-	-
1921	-	45.00	-	-	-	-	-
1922	-	45.00	-	-	-	-	-
1923	-	45.00	-	-	-	-	-
1924	-	45.00	-	-	-	-	-
1925	-	45.00	-	-	-	-	-
1926	-	45.00	-	-	-	-	-
1927	-	45.00	-	-	-	-	-
1928	-	45.00	-	-	-	-	-
1929	-	45.00	-	-	-	-	-
1930	-	45.00	-	-	-	-	-
1931	-	45.00	-	-	-	-	-
1932	-	45.00	0.50	-	-	-	-
1933	-	45.00	0.60	-	-	-	-
1934	-	45.00	0.74	-	-	-	-
1935	-	45.00	0.90	-	-	-	-
1936	-	45.00	1.07	-	-	-	-
1937	-	45.00	1.24	-	-	-	-
1938	-	45.00	1.42	-	-	-	-
1939	-	45.00	1.60	-	-	-	-
1940	-	45.00	1.79	-	-	-	-
1941	-	45.00	1.99	-	-	-	-
1942	-	45.00	2.19	-	-	-	-
1943	-	45.00	2.38	-	-	-	-
1944	-	45.00	2.58	-	-	-	-
1945	-	45.00	2.78	-	-	-	-
1946	-	45.00	2.99	-	-	-	-
1947	-	45.00	3.20	-	-	-	-
1948	-	45.00	3.41	-	-	-	-
1949	-	45.00	3.62	-	-	-	-
1950	-	45.00	3.84	-	-	-	-
1951	-	45.00	4.05	-	-	-	-
1952	-	45.00	4.28	-	-	-	-
1953	-	45.00	4.50	-	-	-	-
1954	-	45.00	4.73	-	-	-	-
1955	100.35	44.99	4.95	2.23	89.30	11.05	2.23
1956	276.35	44.99	5.19	6.14	244.50	31.85	6.14
1957	45.50	44.99	5.42	1.01	40.02	5.48	1.01
1958	51.65	44.99	5.66	1.15	45.15	6.50	1.15
1959	1,609.44	44.98	5.90	35.78	1,398.38	211.06	35.78
1960	4,593.03	44.98	6.14	102.12	3,965.82	627.21	102.12
1961	8,056.79	44.97	6.39	179.15	6,912.28	1,144.51	179.15
1962	50,777.70	44.96	6.64	1,129.29	43,280.56	7,497.14	1,129.29
1963	67,861.26	44.96	6.89	1,509.53	57,456.08	10,405.18	1,509.53
1964	1,799.19	44.94	7.15	40.03	1,512.91	286.28	40.03
1965	62,441.77	44.93	7.41	1,389.70	52,139.29	10,302.48	1,389.70
1966	521.15	44.92	7.68	11.60	432.05	89.10	11.60
1967	120,655.80	44.90	7.95	2,687.25	99,293.85	21,361.95	2,687.25
1968	196,285.67	44.88	8.22	4,373.63	160,314.50	35,971.17	4,373.63
1969	117,899.00	44.86	8.50	2,628.37	95,545.38	22,353.62	2,628.37



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1970	27,147.91	44.83	8.79	605.57	21,824.84	5,323.07	605.57
1971	58,656.97	44.80	9.08	1,309.30	46,767.46	11,889.51	1,309.30
1972	88,502.31	44.77	9.38	1,976.96	69,964.40	18,537.91	1,976.96
1973	54,466.61	44.73	9.68	1,217.69	42,680.33	11,786.28	1,217.69
1974	101,947.94	44.69	9.99	2,281.34	79,162.47	22,785.47	2,281.34
1975	62,074.65	44.64	10.30	1,390.52	47,748.34	14,326.31	1,390.52
1976	70,588.16	44.59	10.62	1,583.04	53,768.65	16,819.51	1,583.04
1977	192,599.80	44.53	10.95	4,324.76	145,226.52	47,373.28	4,324.76
1978	216,199.86	44.47	11.29	4,861.39	161,311.53	54,888.33	4,861.39
1979	247,936.55	44.41	11.64	5,583.41	182,972.27	64,964.28	5,583.41
1980	405,353.35	44.33	11.99	9,143.30	295,743.32	109,610.03	9,143.30
1981	177,559.09	44.25	12.35	4,012.20	128,011.23	49,547.86	4,012.20
1982	341,519.88	44.17	12.72	7,731.91	243,174.07	98,345.81	7,731.91
1983	203,424.60	44.08	13.10	4,614.97	142,972.40	60,452.20	4,614.97
1984	63,151.92	43.98	13.49	1,435.86	43,784.24	19,367.68	1,435.86
1985	257,703.18	43.88	13.89	5,873.16	176,136.89	81,566.29	5,873.16
1986	342,491.47	43.77	14.30	7,825.22	230,608.41	111,883.06	7,825.22
1987	316,526.53	43.65	14.72	7,251.40	209,798.75	106,727.78	7,251.40
1988	642,017.69	43.53	15.15	14,750.07	418,557.08	223,460.61	14,750.07
1989	626,344.36	43.40	15.59	14,433.38	401,278.62	225,065.74	14,433.38
1990	891,477.48	43.26	16.05	20,608.45	560,735.67	330,741.81	20,608.45
1991	704,209.26	43.11	16.52	16,333.92	434,432.16	269,777.10	16,333.92
1992	1,089,410.52	42.96	17.00	25,357.56	658,424.91	430,985.61	25,357.56
1993	477,259.09	42.80	17.49	11,149.91	282,258.29	195,000.80	11,149.91
1994	709,872.84	42.64	17.99	16,648.42	410,287.41	299,585.43	16,648.42
1995	1,169,196.62	42.47	18.51	27,531.44	659,467.69	509,728.93	27,531.44
1996	984,582.24	42.29	19.05	23,281.77	541,125.44	443,456.80	23,281.77
1997	1,128,108.68	42.11	19.59	26,792.32	603,144.41	524,964.27	26,792.32
1998	1,194,682.69	41.92	20.15	28,502.28	620,251.77	574,430.92	28,502.28
1999	3,871,651.21	41.72	20.73	92,803.04	1,948,078.30	1,923,572.91	92,803.04
2000	7,203,307.82	41.52	21.32	173,503.09	3,505,084.65	3,698,223.17	173,503.09
2001	15,192,368.59	41.31	21.92	367,772.32	7,132,139.66	8,060,228.93	367,772.32
2002	15,604,259.52	41.10	22.53	379,701.88	7,049,254.14	8,555,005.38	379,701.88
2003	13,971,261.09	40.88	23.16	341,780.62	6,056,230.24	7,915,030.85	341,780.62
2004	14,477,620.59	40.65	23.80	356,111.40	6,002,847.85	8,474,772.74	356,111.40
2005	15,405,635.09	40.43	24.45	381,072.87	6,088,403.58	9,317,231.51	381,072.87
2006	11,777,409.94	40.19	25.11	293,007.71	4,418,867.04	7,358,542.90	293,007.71
2007	9,032,304.53	39.96	25.79	226,041.33	3,203,033.93	5,829,270.60	226,041.33
2008	3,962,882.26	39.72	26.47	99,774.07	1,321,544.91	2,641,337.35	99,774.07
2009	4,456,507.65	39.47	27.17	112,894.73	1,389,497.28	3,067,010.37	112,894.73
2010	4,055,149.15	39.23	27.87	103,374.05	1,174,213.07	2,880,936.08	103,374.05
2011	1,311,132.90	38.98	28.58	33,637.86	349,819.74	961,313.16	33,637.86
2012	1,870,258.75	38.73	29.29	48,295.79	455,466.34	1,414,792.41	48,295.79
2013	5,526,997.53	38.47	30.02	143,671.28	1,214,642.58	4,312,354.95	143,671.28
2014	5,197,428.96	38.21	30.74	136,015.22	1,016,225.82	4,181,203.14	136,015.22
2015	4,307,188.52	37.95	31.47	113,489.14	735,780.25	3,571,408.27	113,489.14
2016	7,276,642.80	37.69	32.20	193,060.91	1,060,101.13	6,216,541.67	193,060.91
2017	6,117,645.69	37.43	32.93	163,451.95	734,830.79	5,382,814.90	163,451.95
2018	5,992,551.44	37.16	33.67	161,249.36	564,085.47	5,428,465.97	161,249.36
2019	14,710,220.23	36.90	34.40	398,678.01	996,461.66	13,713,758.57	398,678.01
2020	5,948,535.16	36.63	35.13	162,392.14	243,567.06	5,704,968.10	162,392.14
2021	7,502,341.81	36.36	35.86	206,318.13	103,156.41	7,399,185.40	206,318.13
2022	6,637,453.95	36.09	36.09	183,890.89	-	6,637,453.95	183,890.89
2023	1,370,023.30	35.83	35.83	38,241.63	-	1,370,023.30	38,241.63
<b>206,256,765.38</b>		<b>5,345.89</b>		<b>5,222,737.89</b>	<b>65,197,621.50</b>	<b>141,059,143.88</b>	<b>5,222,737.89</b>