

Extract from 2016 OR Earnings Test Model

	<u>WA</u>	<u>OR</u>
Customers-All	10.860%	89.14%
Customers-Res	10.980%	89.02%
Customers-Comm	9.700%	90.30%
Customers-Ind	7.710%	92.29%
Customers-The Dalles	25.350%	74.65%
3-Factor	10.130%	89.87%
Firm Volumes	9.310%	90.69%
Sales Volumes	9.630%	90.37%
Sendout Volumes	7.970%	92.03%
Sales/Sendout Volumes	8.800%	91.20%
Customers Port/Van	14.870%	85.13%
Customers Port/Van 80%	11.896%	88.10%
Customers Portland/Vancouver Commercial	14.340%	85.66%
Payroll	9.971%	90.03%
Admin Tran	10.602%	89.40%
Employee Cost	9.940%	90.06%
Regulatory	30.000%	70.00%
Telemetry	10.770%	89.23%
Direct-WA	100.000%	0.00%
Direct-OR	0.000%	100.00%
Gross Plant Direct Assign	10.940%	89.06%
Transmission	1.170%	98.83%
Depreciation	10.300%	89.70%
Rate Base	9.883%	90.12%

Table with multiple columns containing financial data, including Employee Pensions and Benefits, Transmission Total, and various maintenance categories. The table is organized into several sections and includes sub-totals for each. The data is presented in a grid format with rows for specific line items and columns for different financial metrics.

NW Natural
Washington Quarterly Results of Operations Report
Operations and Maintenance Expense: Allocation of System Amounts
For the period ended October 31, 2017

	October	October	October	
	<u>System</u>	<u>Washington</u>	<u>Oregon</u>	
Natural Gas Storage				
Underground Storage Expense				
Operation				
816	Wells Expense	\$42,040	\$3,914	\$38,126
818	Compressor Station Expense	\$5,763	\$536	\$5,226
819	Compressor Station Fuel	\$0	\$0	\$0
820	Measuring and Regulator Station Expense	\$215,677	\$20,031	\$195,646
821	Purification Expense	\$80	\$7	\$73
Maintenance				
832	Wells Expense	\$36,953	\$3,440	\$33,513
834	Compressor Station Expense	\$0	\$0	\$0
	Total Underground Storage Expense	<u>300,512</u>	<u>27,929</u>	<u>272,583</u>
Other Storage Expense				
Operation				
840	Supervision and Engineering	\$13,428	\$1,250	\$12,178
	Total Other Storage Expense	<u>13,428</u>	<u>1,250</u>	<u>12,178</u>
Liquified Natural Gas Expense				
Operation				
844	Supervision and Engineering	\$220,376	\$20,517	\$199,859
845	LNG Fuel	(\$32,839)	(\$3,057)	(\$29,782)
Maintenance				
847	Supervision and Engineering	\$95,357	\$8,878	\$86,480
	Total Liquified Natural Gas Expense	<u>282,894</u>	<u>26,337</u>	<u>256,557</u>
	Total Natural Gas Storage	<u>596,835</u>	<u>55,517</u>	<u>541,319</u>
Transmission Expense				
Operation				
856	Mains Expense	\$56,961	\$414	\$56,546
Maintenance				
863	Maintenance of Mains	\$96,721	\$9,786	\$86,935
	Total Transmission Expense	<u>153,682</u>	<u>10,200</u>	<u>143,481</u>
Distribution Expense				
Operation				
870	Supervision and Engineering	\$286,860	\$25,179	\$261,682
874	Mains and Services Expense	\$1,134,873	\$131,851	\$1,003,021
875	Measuring and Regulator Station Expense - General	\$11,880	\$1,143	\$10,737
877	Measuring and Regulator Station Expense - City Gate	\$47,012	\$3,956	\$43,057
878	Meter and House Regulator Expense	\$530,861	\$57,289	\$473,572
879	Customer Installation Expense	\$1,032,288	\$111,003	\$921,285
880	Other Expense	\$154,186	\$15,962	\$138,224
881	Rents	\$44,376	\$6,714	\$37,661
Maintenance				
885	Supervision and Engineering	\$421,922	\$36,478	\$385,444
887	Mains	\$332,349	\$26,615	\$305,734
889	Measuring and Regulator Station Expense - General	\$150,033	\$12,687	\$137,346
891	Measuring and Regulator Station Expense - City Gate	\$21,507	\$2,024	\$19,483
892	Services	\$76,999	\$6,124	\$70,875
893	Meters and House Regulators	\$212,149	\$20,456	\$191,692
894	Other Equipment	\$2,012	\$184	\$1,828
	Total Distribution Expense	<u>4,459,306</u>	<u>457,665</u>	<u>4,001,641</u>

Customer Accounts Expense**Operation**

901	Supervision	\$151,578	\$16,461	\$135,117
902	Meter Reading Expenses	\$76,356	\$8,292	\$68,064
903	Customer Records and Collection Expense	\$1,611,397	\$173,878	\$1,437,519
904	Uncollectible Accounts	\$71,629	\$7,709	\$63,920
	Total Customer Accounts Expense	<u>1,910,960</u>	<u>206,340</u>	<u>1,704,620</u>

Customer Service and Informational**Operation**

907	Supervision	\$34	\$4	\$30
908	Customer Assistance Expense	\$183,952	\$21,918	\$162,034
909	Customer Information Expense	\$376,695	\$40,909	\$335,786
910	Miscellaneous Customer Service Expense	\$24,953	\$2,740	\$22,213
	Total Customer Service and Informational	<u>585,633</u>	<u>65,570</u>	<u>520,063</u>

Sales Expense**Operation**

911	Supervision	\$16,019	\$1,740	\$14,280
912	Demonstration and Selling Expense	\$288,557	\$31,315	\$257,241
913	Advertising	\$63,082	\$6,851	\$56,231
916	Miscellaneous Sales Expense	\$0	\$0	\$0
	Total Sales Expense	<u>367,658</u>	<u>39,906</u>	<u>327,752</u>

Administrative and General Expense**Operation**

921	Office Supplies and Expense	\$5,071,709	\$557,634	\$4,514,075
922	Administrative Expenses Transferred - Credit	(\$1,674,960)	(\$174,294)	(\$1,500,666)
924	Property Insurance Premium	\$268,755	\$27,225	\$241,530
925	Injuries and Damages	\$10,751	\$1,258	\$9,493
926	Employee Pensions and Benefits	\$107,104	\$10,580	\$96,524
928	Regulatory Commission Expense	\$0	\$0	\$0
930	Miscellaneous General Expense	\$473,076	\$47,923	\$425,153
931	Rents	\$391,827	\$39,307	\$352,520

Maintenance

935	Maintenance of General Plant	\$335,826	\$34,391	\$301,436
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	Total Administrative and General Expense	<u>\$4,984,087</u>	<u>\$544,023</u>	<u>\$4,440,064</u>
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	Total Operations and Maintenance Expense	<u>\$13,058,161</u>	<u>\$1,379,221</u>	<u>\$11,678,940</u>
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10.56%

89.44%

Table with 11 columns and multiple rows. Columns include category names (e.g., 880 Other Expense, 881 Rent, 882 Salaries) and numerical values in various currencies and units. The table is organized into several sections, including '880 Other Expense', '881 Rent', '882 Salaries', and '883 Supervision and Engineering'. The bottom rows show '885 Supervision and Engineering Total' and '885 Salaries Total'.

NW Natural
Washington Quarterly Results of Operations Report
Operations and Maintenance Expense: Allocation of System Amounts
For the period ended November 30, 2017

	November	November	November
	<u>System</u>	<u>Washington</u>	<u>Oregon</u>
Natural Gas Storage			
Underground Storage Expense			
Operation			
816	Wells Expense	\$13,530	\$12,270
818	Compressor Station Expense	\$444	\$403
819	Compressor Station Fuel	\$0	\$0
820	Measuring and Regulator Station Expense	\$227,360	\$206,232
821	Purification Expense	\$997	\$947
Maintenance			
832	Wells Expense	\$25,269	\$22,917
834	Compressor Station Expense	\$19,041	\$17,268
	Total Underground Storage Expense	286,640	260,036
Other Storage Expense			
Operation			
840	Supervision and Engineering	\$15,510	\$14,066
	Total Other Storage Expense	15,510	14,066
Liquified Natural Gas Expense			
Operation			
844	Supervision and Engineering	\$168,260	\$152,595
845	LNG Fuel	(\$24,132)	(\$21,885)
Maintenance			
847	Supervision and Engineering	\$117,561	\$106,616
	Total Liquified Natural Gas Expense	261,689	237,325
	Total Natural Gas Storage	563,839	511,428
Transmission Expense			
Operation			
856	Mains Expense	\$166,652	\$161,251
Maintenance			
863	Maintenance of Mains	\$1,881	\$1,691
	Total Transmission Expense	168,533	162,941
Distribution Expense			
Operation			
870	Supervision and Engineering	\$298,001	\$272,030
874	Mains and Services Expense	\$1,071,473	\$964,174
875	Measuring and Regulator Station Expense - General	\$25,986	\$23,709
877	Measuring and Regulator Station Expense - City Gate	\$45,226	\$41,463
878	Meter and House Regulator Expense	\$533,902	\$476,340
879	Customer Installation Expense	\$1,038,960	\$927,300
880	Other Expense	\$188,424	\$165,765
881	Rents	\$16,588	\$14,542
Maintenance			
885	Supervision and Engineering	\$736,433	\$689,577
887	Mains	\$244,762	\$218,333
889	Measuring and Regulator Station Expense - General	\$163,262	\$149,956
891	Measuring and Regulator Station Expense - City Gate	\$10,970	\$10,185
892	Services	\$9,462	\$7,096
893	Meters and House Regulators	\$231,785	\$210,311
894	Other Equipment	\$2,249	\$2,086
	Total Distribution Expense	4,617,484	4,172,868

Customer Accounts Expense**Operation**

901	Supervision	\$149,820	\$16,270	\$133,550
902	Meter Reading Expenses	\$74,027	\$8,039	\$65,987
903	Customer Records and Collection Expense	\$1,604,231	\$173,051	\$1,431,180
904	Uncollectible Accounts	\$84,128	\$8,829	\$75,299
	Total Customer Accounts Expense	<u>1,912,206</u>	<u>206,189</u>	<u>1,706,017</u>

Customer Service and Informational**Operation**

907	Supervision	\$196	\$22	\$175
908	Customer Assistance Expense	\$207,401	\$26,482	\$180,919
909	Customer Information Expense	\$310,115	\$33,678	\$276,436
910	Miscellaneous Customer Service Expense	\$25,242	\$2,772	\$22,470
	Total Customer Service and Informational	<u>542,953</u>	<u>62,954</u>	<u>479,999</u>

Sales Expense**Operation**

911	Supervision	\$10,905	\$1,184	\$9,721
912	Demonstration and Selling Expense	\$462,659	\$50,250	\$412,409
913	Advertising	(\$103,593)	(\$11,250)	(\$92,343)
916	Miscellaneous Sales Expense	\$0	\$0	\$0
	Total Sales Expense	<u>369,971</u>	<u>40,184</u>	<u>329,786</u>

Administrative and General Expense**Operation**

921	Office Supplies and Expense	\$5,020,584	\$544,202	\$4,476,381
922	Administrative Expenses Transferred - Credit	(\$1,674,976)	(\$174,270)	(\$1,500,706)
924	Property Insurance Premium	\$303,090	\$30,703	\$272,387
925	Injuries and Damages	\$3,926	\$1,444	\$2,482
926	Employee Pensions and Benefits	(\$148,310)	(\$14,813)	(\$133,496)
928	Regulatory Commission Expense	\$0	\$0	\$0
930	Miscellaneous General Expense	\$90,356	\$9,153	\$81,203
931	Rents	\$398,547	\$39,307	\$359,241

Maintenance

935	Maintenance of General Plant	\$387,462	\$41,317	\$346,145
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	Total Administrative and General Expense	<u>\$4,380,679</u>	<u>\$477,042</u>	<u>\$3,903,637</u>
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	Total Operations and Maintenance Expense	<u>\$12,555,664</u>	<u>\$1,288,987</u>	<u>\$11,266,677</u>
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10.27%

89.73%

NW Natural
Rates & Regulatory Affairs
Operations and Maintenance Expense
State Allocation of System Amounts
For the period ended December 31, 2017

Table with columns for System (Direct, Allocated, Total), Washington (Direct, Allocated, Total), Oregon (Direct, Allocated, Total), System (Direct, Allocated, Total), Washington (Direct, Allocated, Total), Oregon (Direct, Allocated, Total). Rows include categories like I&M Wellbore Expense, I&M Compressor Station Expense, I&M Compressor Station Fuel, I&M Measuring and Regulator Station Expense, I&M Purification Expense, I&M L&NG Fuel, I&M Sales/Enduser Volumes, and I&M Maintenance of Mains.

NW Natural
Washington Quarterly Results of Operations Report
Operations and Maintenance Expense: Allocation of System Amounts
For the period ended December 31, 2017

	December	December	December	
	<u>System</u>	<u>Washington</u>	<u>Oregon</u>	
Natural Gas Storage				
Underground Storage Expense				
Operation				
816	Wells Expense	\$36,610	\$3,408	\$33,202
818	Compressor Station Expense	\$0	\$0	\$0
819	Compressor Station Fuel	\$0	\$0	\$0
820	Measuring and Regulator Station Expense	\$262,752	\$24,227	\$238,525
821	Purification Expense	\$8,126	\$757	\$7,370
Maintenance				
832	Wells Expense	\$14,558	\$1,355	\$13,202
834	Compressor Station Expense	\$20,319	\$1,892	\$18,427
	Total Underground Storage Expense	<u>342,365</u>	<u>31,639</u>	<u>310,726</u>
Other Storage Expense				
Operation				
840	Supervision and Engineering	\$20,133	\$1,874	\$18,259
	Total Other Storage Expense	<u>20,133</u>	<u>1,874</u>	<u>18,259</u>
Liquified Natural Gas Expense				
Operation				
844	Supervision and Engineering	\$174,484	\$16,244	\$158,239
845	LNG Fuel	(\$653)	(\$61)	(\$592)
Maintenance				
847	Supervision and Engineering	\$83,917	\$7,813	\$76,104
	Total Liquified Natural Gas Expense	<u>257,747</u>	<u>23,996</u>	<u>233,751</u>
	Total Natural Gas Storage	<u>620,246</u>	<u>57,510</u>	<u>562,736</u>
Transmission Expense				
Operation				
856	Mains Expense	\$171,801	\$12,813	\$158,988
Maintenance				
863	Maintenance of Mains	\$314	\$32	\$282
	Total Transmission Expense	<u>172,115</u>	<u>12,845</u>	<u>159,270</u>
Distribution Expense				
Operation				
870	Supervision and Engineering	\$298,185	\$26,063	\$272,122
874	Mains and Services Expense	\$874,036	\$110,446	\$763,590
875	Measuring and Regulator Station Expense - General	\$17,204	\$1,629	\$15,574
877	Measuring and Regulator Station Expense - City Gate	\$61,812	\$5,053	\$56,759
878	Meter and House Regulator Expense	\$486,565	\$52,743	\$433,821
879	Customer Installation Expense	\$925,662	\$102,520	\$823,142
880	Other Expense	\$109,197	\$16,004	\$93,192
881	Rents	\$6,337	\$1,144	\$5,194
Maintenance				
885	Supervision and Engineering	\$402,358	(\$11,446)	\$413,804
887	Mains	\$172,712	\$15,817	\$156,896
889	Measuring and Regulator Station Expense - General	\$115,182	\$9,732	\$105,450
891	Measuring and Regulator Station Expense - City Gate	\$15,393	\$1,242	\$14,151
892	Services	\$40,296	\$127	\$40,168
893	Meters and House Regulators	\$236,404	\$21,280	\$215,123
894	Other Equipment	\$2,400	\$177	\$2,222
	Total Distribution Expense	<u>3,763,742</u>	<u>352,532</u>	<u>3,411,210</u>

Customer Accounts Expense**Operation**

901	Supervision	\$146,889	\$15,952	\$130,937
902	Meter Reading Expenses	\$73,132	\$7,942	\$65,190
903	Customer Records and Collection Expense	\$1,589,846	\$171,611	\$1,418,235
904	Uncollectible Accounts	\$158,992	\$17,359	\$141,632
	Total Customer Accounts Expense	<u>1,968,858</u>	<u>212,864</u>	<u>1,755,994</u>

Customer Service and Informational**Operation**

907	Supervision	\$378	\$41	\$336
908	Customer Assistance Expense	\$312,471	\$33,781	\$278,690
909	Customer Information Expense	\$219,566	\$23,845	\$195,721
910	Miscellaneous Customer Service Expense	\$37,686	\$4,138	\$33,548
	Total Customer Service and Informational	<u>570,101</u>	<u>61,805</u>	<u>508,296</u>

Sales Expense**Operation**

911	Supervision	\$13,237	\$1,438	\$11,799
912	Demonstration and Selling Expense	\$443,236	\$45,836	\$397,400
913	Advertising	\$32,869	\$3,570	\$29,299
916	Miscellaneous Sales Expense	\$0	\$0	\$0
	Total Sales Expense	<u>489,342</u>	<u>50,843</u>	<u>438,499</u>

Administrative and General Expense**Operation**

921	Office Supplies and Expense	\$9,485,889	\$980,897	\$8,504,991
922	Administrative Expenses Transferred - Credit	(\$1,916,033)	(\$199,857)	(\$1,716,175)
924	Property Insurance Premium	\$277,622	\$28,123	\$249,499
925	Injuries and Damages	\$43,107	\$24,781	\$18,326
926	Employee Pensions and Benefits	(\$118,924)	(\$11,887)	(\$107,037)
928	Regulatory Commission Expense	\$0	\$0	\$0
930	Miscellaneous General Expense	\$117,611	\$11,914	\$105,697
931	Rents	\$393,087	\$39,434	\$353,653

Maintenance

935	Maintenance of General Plant	\$321,077	\$30,096	\$290,981
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	Total Administrative and General Expense	<u>\$8,603,436</u>	<u>\$903,501</u>	<u>\$7,699,935</u>
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	Total Operations and Maintenance Expense	<u>\$16,187,840</u>	<u>\$1,651,901</u>	<u>\$14,535,939</u>
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10.20%

89.80%