

April 2016 Activity

**NW Natural
 Washington Results of Operations
 Monthly Summary**

Rate Base	
101 Gross Plant	
108.IX Accumulated Depreciation	
ADJ Working Capital Allowance	
117.X Storage Gas - Cushion	
186.XX Leasehold Improvements	
252.XX Customer Contributions	
283.XX Deferred Taxes - Federal	
283.XX Deferred Taxes - State	
Total Rate Base	

Rate Of Return on Rate Base

- Allocation References:
 A Unbilled Revenue
 B Follows Plant Split
 C&M See O&M Detail
 C Payroll Factor
 D Depreciation Factor

	System		Washington		Washington		Apr 2016	
	Direct	Allocated	Direct	Allocated	Direct	Allocated	Oregon	Oregon
		Total		Total		Total		Total
		2,752,980,135		280,826,367		280,826,367		2,472,153,768
		(1,234,877,683)		(118,922,544)		(118,922,544)		(1,115,955,139)
		(19,079,063)		(3,013,409)		(3,013,409)		(16,065,654)
		14,158,768		1,332,340		1,332,340		12,826,428
		614,122		61,412		61,412		552,709
		(3,614,258)		(467,526)		(467,526)		(3,146,732)
		(362,877,285)		(41,551,443)		(41,551,443)		(321,325,842)
		(74,803,350)		0		(74,803,350)		(74,803,350)
		<u>1,072,501,386</u>		<u>118,265,197</u>		<u>118,265,197</u>		<u>954,236,188</u>
		0.63%		-0.03%		-0.03%		0.72%
		100.00%		10.67%		10.67%		89.13%
		100.00%		10.68%		10.68%		89.12%
		100.00%		9.62%		9.62%		90.38%
		100.00%		10.26%		10.26%		89.74%

NW Natural
Washington Results of Operations
12 Month Ended Reports

Alloc. Ref.

Acct	Description	System		Washington		Washington		Oregon		Oregon		Apr 2016 Total
		Direct	Allocated	Direct	Allocated	Direct	Allocated	Direct	Allocated			
480.1	Sales of Gas											
481.1	Residential	417,074,768	0	43,654,222	0	373,420,547	0					373,420,547
481.2	Commercial	211,824,328	0	17,617,917	0	194,206,411	0					194,206,411
481.3	Industrial Firm	23,329,646	0	2,103,509	0	21,226,138	0					21,226,138
481.5	Interruptible	25,766,459	0	641,926	0	25,124,533	0					25,124,533
481.5	Interruptible Incentive	0	0	0	0	0	0					0
495.20	Unlited Revenue	0	(1,416,050)	0	0	0	0					0
	Total Sales of Gas	677,995,201	(1,416,050)	67,679,152	(394,883)	613,977,628	(1,021,167)					612,956,461
	Transportation Revenue											
489.12	Industrial Firm	10,612,469	0	1,219,215	0	9,393,254	0					9,393,254
489.13	Interruptible	7,833,979	0	884,671	0	6,949,307	0					6,949,307
489.15	Agency Fee/Balancing	0	0	0	0	0	0					0
489.5	Agency Fee/Balancing	45,823	0	45,823	0	0	0					45,823
	Total Transportation Revenue	18,492,270	0	2,103,886	0	16,386,384	0					16,386,384
495.6	Rate Adjustments - Amortizations	443,150	0	443,150	(1,606,264)	2,049,414	0					2,049,414
	Miscellaneous Revenues											
487	Late Payment Charge	2,080,954	0	89,824	0	1,991,130	0					1,991,130
488.0	Seasonal Reconnect Fee	18,300	0	18,300	0	0	0					18,300
488.1	Returned Check Charge	285,700	0	1,150	0	287,550	0					287,550
488.3	Recon Charge CR During Office Hours	105,600	0	10,245	0	95,355	0					95,355
488.4	Field Collection Charge	377,465	0	13,745	0	258,720	0					258,720
488.5	Recon Charge CR After Office Hours	387,675	0	33,815	0	353,860	0					353,860
488.6	Recon Charge Seals During Office Hours	17,800	0	35,500	0	2,400	0					2,400
488.7	Recon Charge Seals After Office Hours	2,860	0	1,130	0	15,930	0					15,930
488.8	Automated Payment Charge	53,365	0	2,790	0	46,575	0					46,575
493.2	Rent - Utility Property	207,245	316,103	22,819	0	188,299	293,284					293,284
495.1	Meter Rentals	129,143	0	21,345	0	107,799	0					107,799
495.2	Other Gas Revenue - Miscellaneous	3,601,268	316,103	235,130	0	3,366,078	293,284					3,659,362
	Total Miscellaneous Revenues	700,531,889	(1,099,947)	64,750,385	(372,064)	635,781,504	(727,883)					635,053,621
	Total Operating Revenue	1,380,827,090	1,380,827,090	1,380,827,090	1,380,827,090	1,380,827,090	1,380,827,090					1,380,827,090
	Cost of Gas											
804.7	WACOG Incurred	195,239,263	0	17,653,624	0	177,585,639	0					177,585,639
805.7	WACOG Deferred	26,598,351	0	3,963,758	0	22,634,593	0					22,634,593
804.6	Demand Incurred	80,938,892	0	8,368,589	0	72,570,303	0					72,570,303
805.8	Demand Deferred	(7,858,298)	0	(1,020,882)	0	(6,837,416)	0					(6,837,416)
805.4	Amortization of Gas Costs	1,279,652	0	(1,501,400)	0	2,781,052	0					2,781,052
	Total Cost of Gas	296,197,860	0	27,463,689	0	268,734,171	0					268,734,171
	Operations & Maintenance	10,914,320	124,049,369	610,660	12,687,401	10,303,660	111,361,968					121,665,628
	Other Taxes											
408.11	Property	20,586,790	0	1,544,840	0	19,041,949	0					19,041,949
408.12	Franchise	17,844,653	0	2,616,255	0	15,228,398	0					15,228,398
408.13	Payroll	0	5,407,982	0	555,387	0	4,852,596					4,852,596
408.14	Other	511,937	0	89,036	0	422,902	0					422,902
408.15	Regulatory	1,767,110	0	133,752	0	1,633,358	0					1,633,358
	Total Other Taxes	40,710,490	5,407,982	4,383,884	555,387	36,326,607	4,852,596					41,179,203
403.1	Depreciation	0	74,806,905	0	7,821,452	0	66,985,453					66,985,453
	Income Taxes											
409.11	Federal Income Taxes	9,118,282	0	3,634,979	0	5,483,303	0					5,483,303
410.11	Federal Income Taxes - Deferred	36,664,870	0	(10,729,054)	0	25,935,816	0					25,935,816
411.42	Oregon Income Tax Credit	449,550	0	0	0	449,550	0					449,550
409.12	Oregon Income Taxes	9,590,895	0	0	0	9,590,895	0					9,590,895
410.12	Oregon Income Taxes - Deferred	(2,621,893)	0	0	0	(2,621,893)	0					(2,621,893)
411.12	Total Income Taxes	42,741,513	0	3,578,142	0	38,837,671	0					38,837,671
	Total Operating Revenue Deductions	347,822,671	204,264,236	32,458,232	21,064,239	315,364,438	183,200,017					537,402,127
	Net Operating Income	104,295,203	104,295,203	104,295,203	104,295,203	104,295,203	104,295,203					97,651,495

**NW Natural
 Washington Results of Operations
 12 Month Ended Reports**

Rate Base

101	Gross Plant
108.IX	Accumulated Depreciation
Adj	Working Capital Allowance
117.X	Storage Gas - Cushion
186.XX	Leasehold Improvements
252.XX	Customer Contributions
283.XX	Deferred Taxes - Federal
283.XX	Deferred Taxes - State
	Total Rate Base

Rate Of Return on Rate Base

Allocation References:

- A Unbilled Revenue
- B Direct
- C&M See O&M Detail
- C Payroll Factor
- D Depreciation Factor

	System		Washington		Washington		Apr 2016	
	Direct	Allocated	Direct	Allocated	Direct	Allocated	Direct	Total
		Total		Total				
		2,711,350,005		274,330,210				2,437,019,795
		(1,213,426,490)		(116,463,105)				(1,096,963,385)
		43,481,542		3,764,674				39,716,868
		14,166,423		1,331,172				12,835,251
		765,797		109,757				656,040
		(3,439,394)		(433,616)				(3,005,779)
		(341,076,740)		(38,540,394)				(302,536,346)
		(69,937,592)		0				(69,937,592)
		1,141,883,550		124,098,697				1,017,784,853
		9.19%		5.86%				9.59%
		100.00%		27.89%				72.11%
		100.00%		7.22%				92.78%
		100.00%		10.27%				89.73%
		100.00%		10.46%				89.54%

NW Natural

Washington Quarterly Results of Operations Report
Operations and Maintenance Expense: Allocation of System Amounts
 For the period ended April 30, 2016

		Month		
		<u>System</u>	<u>Washington</u>	<u>Oregon</u>
Natural Gas Storage				
Underground Storage Expense				
Operation				
816	Wells Expense	\$14,902	\$1,402	\$13,500
818	Compressor Station Expense	4,599	433	4,166
819	Compressor Station Fuel	0	0	0
820	Measuring and Regulator Station Expense	200,633	18,872	181,761
821	Purification Expense	(144)	(14)	(130)
Maintenance				
832	Wells Expense	12,025	1,132	10,894
Total Underground Storage Expense		<u>232,015</u>	<u>21,825</u>	<u>210,190</u>
Other Storage Expense				
Operation				
840	Supervision and Engineering	9,134	871	8,263
Total Other Storage Expense		<u>9,134</u>	<u>871</u>	<u>8,263</u>
Liquified Natural Gas Expense				
Operation				
844	Supervision and Engineering	108,527	10,212	98,315
845	LNG Fuel	-	-	-
Maintenance				
847	Supervision and Engineering	58,816	5,536	53,280
Total Liquified Natural Gas Expense		<u>167,343</u>	<u>15,749</u>	<u>151,595</u>
Total Natural Gas Storage		<u>408,492</u>	<u>38,444</u>	<u>370,047</u>
Transmission Expense				
Operation				
856	Mains Expense	361,988	25,353	336,635
Maintenance				
863	Maintenance of Mains	463	38	425
Total Transmission Expense		<u>362,451</u>	<u>25,391</u>	<u>337,060</u>
Distribution Expense				
Operation				
870	Supervision and Engineering	247,866	21,508	226,358
874	Mains and Services Expense	1,087,312	97,905	989,407
875	Measuring and Regulator Station Expense - General	13,674	1,234	12,440
877	Measuring and Regulator Station Expense - City Gate	49,176	4,119	45,057
878	Meter and House Regulator Expense	467,818	49,865	417,953
879	Customer Installation Expense	789,645	84,550	705,095
880	Other Expense	236,443	27,199	209,244
881	Rents	8,128	1,179	6,949
Maintenance				
885	Supervision and Engineering	862,371	24,730	837,641
887	Mains	267,121	19,770	247,351
889	Measuring and Regulator Station Expense - General	101,367	8,669	92,698
891	Measuring and Regulator Station Expense - City Gate	7,311	487	6,823
892	Services	74,369	4,591	69,778
893	Meters and House Regulators	232,759	22,649	210,110
894	Other Equipment	2,318	148	2,170
Total Distribution Expense		<u>4,447,678</u>	<u>368,604</u>	<u>4,079,074</u>

Customer Accounts Expense				
Operation				
901	Supervision	128,506	13,763	114,743
902	Meter Reading Expenses	61,600	6,597	55,002
903	Customer Records and Collection Expense	1,743,829	185,774	1,558,056
904	Uncollectible Accounts	62,318	6,508	55,811
	Total Customer Accounts Expense	<u>1,996,253</u>	<u>212,641</u>	<u>1,783,611</u>
Customer Service and Informational				
Operation				
907	Supervision	649	70	578
908	Customer Assistance Expense	122,395	10,818	111,577
909	Customer Information Expense	133,796	14,330	119,467
910	Miscellaneous Customer Service Expense	17,613	1,911	15,702
	Total Customer Service and Informational	<u>274,452</u>	<u>27,128</u>	<u>247,324</u>
Sales Expense				
Operation				
911	Supervision	14,810	1,586	13,224
912	Demonstration and Selling Expense	296,459	31,749	264,709
913	Advertising	61,646	6,602	55,044
916	Miscellaneous Sales Expense	-	-	-
	Total Sales Expense	<u>372,915</u>	<u>39,938</u>	<u>332,977</u>
Administrative and General Expense				
Operation				
921	Office Supplies and Expense	4,355,459	459,258	3,896,201
922	Administrative Expenses Transferred - Credit	(1,852,530)	(190,159)	(1,662,371)
924	Property Insurance Premium	230,793	23,079	207,713
925	Injuries and Damages	3,136	226	2,910
926	Employee Pensions and Benefits	122,641	11,640	111,001
928	Regulatory Commission Expense	-	-	-
930	Miscellaneous General Expense	369,123	36,912	332,211
931	Rents	391,975	38,815	353,160
Maintenance				
935	Maintenance of General Plant	323,546	33,122	290,424
	Total Administrative and General Expense	<u>3,944,142</u>	<u>412,894</u>	<u>3,531,248</u>
	Total Operations and Maintenance Expense	<u>\$11,806,382.77</u>	<u>\$1,125,041.16</u>	<u>\$10,681,341.61</u>

NW Natural
 Rates & Regulatory Affairs
 Operations and Maintenance Expense
 State Allocation of System Amounts
 For the period ended April 30, 2016

FERC Description	System			Washington			Oregon			Allocation Method
	Direct	Allocated		Direct	Allocated		Direct	Allocated		
		Apr	Apr		Apr	Apr		Apr	Apr	
816 Wells Expense Total	\$ -	\$ 14,901.93	\$ 14,901.93	\$ -	\$ 1,402.27	\$ 1,402.27	\$ -	\$ 13,499.66	\$ 13,499.66	Firm volumes Total
818 Compressor Station Expense Total	\$ -	\$ 4,598.64	\$ 4,598.64	\$ -	\$ 432.73	\$ 432.73	\$ -	\$ 4,165.91	\$ 4,165.91	Firm Volumes Total
819 Compressor Station Fuel Total	\$ -	\$ 0.01	\$ 0.01	\$ -	\$ 0.00	\$ 0.00	\$ -	\$ 0.01	\$ 0.01	Firm Volumes Total
	\$ -	\$ 5,590.84	\$ 5,590.84	\$ -	\$ 559.08	\$ 559.08	\$ -	\$ 5,031.76	\$ 5,031.76	3-factor Total
	\$ 431.04	\$ -	\$ 431.04	\$ -	\$ -	\$ -	\$ 431.04	\$ -	\$ 431.04	Direct-OR Total
820 Measuring and Regulator Station Expense Total	\$ 431.04	\$ 200,201.54	\$ 200,632.58	\$ -	\$ 18,312.87	\$ 18,312.87	\$ -	\$ 176,297.83	\$ 176,297.83	Firm Volumes Total
821 Purification Expense Total	\$ -	\$ (143.53)	\$ (143.53)	\$ -	\$ (13.51)	\$ (13.51)	\$ -	\$ (130.02)	\$ (130.02)	Firm Volumes Total
822 Wells Expense Total	\$ -	\$ 12,025.19	\$ 12,025.19	\$ -	\$ 1,131.57	\$ 1,131.57	\$ -	\$ 10,893.62	\$ 10,893.62	Firm Volumes Total
840 Supervision and Engineering Total	\$ -	\$ 862.05	\$ 862.05	\$ -	\$ 92.33	\$ 92.33	\$ -	\$ 769.72	\$ 769.72	Customers-All Total
844 Supervision and Engineering Total	\$ -	\$ 8,271.57	\$ 8,271.57	\$ -	\$ 778.35	\$ 778.35	\$ -	\$ 7,493.22	\$ 7,493.22	Firm Volumes Total
847 Supervision and Engineering Total	\$ -	\$ 9,133.62	\$ 9,133.62	\$ -	\$ 870.68	\$ 870.68	\$ -	\$ 8,262.94	\$ 8,262.94	Firm Volumes Total
855 Mains Expense Total	\$ -	\$ 108,527.25	\$ 108,527.25	\$ -	\$ 10,212.41	\$ 10,212.41	\$ -	\$ 98,314.84	\$ 98,314.84	3-factor Total
	\$ -	\$ 281.23	\$ 281.23	\$ -	\$ 28.12	\$ 28.12	\$ -	\$ 253.11	\$ 253.11	Firm Volumes Total
	\$ -	\$ 58,534.91	\$ 58,534.91	\$ -	\$ 5,508.14	\$ 5,508.14	\$ -	\$ 53,026.77	\$ 53,026.77	3-factor Total
	\$ -	\$ 58,816.14	\$ 58,816.14	\$ -	\$ 5,536.26	\$ 5,536.26	\$ -	\$ 53,279.88	\$ 53,279.88	Customers-All Total
	\$ -	\$ 252,170.46	\$ 252,170.46	\$ -	\$ 25,217.05	\$ 25,217.05	\$ -	\$ 226,953.41	\$ 226,953.41	Direct-OR Total
	\$ 108,389.89	\$ 827.62	\$ 827.62	\$ -	\$ 88.64	\$ 88.64	\$ -	\$ 738.98	\$ 738.98	Direct-WA Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	sendout volumes Total
	\$ 108,389.89	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,389.89	\$ -	\$ -	3-factor Total
	\$ 108,389.89	\$ 600.00	\$ 600.00	\$ -	\$ 47.76	\$ 47.76	\$ -	\$ 552.24	\$ 552.24	Direct-OR Total
	\$ -	\$ 53.73	\$ 53.73	\$ -	\$ 5.37	\$ 5.37	\$ -	\$ 48.36	\$ 48.36	Direct-WA Total
	\$ -	\$ 463.29	\$ 463.29	\$ -	\$ 32.60	\$ 32.60	\$ -	\$ 376.96	\$ 376.96	sendout volumes Total
863 Maintenance of Mains Total	\$ -	\$ 122,490.01	\$ 122,490.01	\$ -	\$ 37.97	\$ 37.97	\$ -	\$ 425.32	\$ 425.32	Firm Volumes Total
	\$ -	\$ 283.00	\$ 283.00	\$ -	\$ 24.65	\$ 24.65	\$ -	\$ 258.35	\$ 258.35	Sales/Sendout Volumes Total
	\$ -	\$ 125,093.26	\$ 125,093.26	\$ -	\$ 9,957.42	\$ 9,957.42	\$ -	\$ 115,135.84	\$ 115,135.84	Sendout Volumes Total
870 Supervision and Engineering Total	\$ -	\$ 247,866.27	\$ 247,866.27	\$ -	\$ 21,508.38	\$ 21,508.38	\$ -	\$ 226,357.89	\$ 226,357.89	3-factor Total
	\$ -	\$ 401,887.93	\$ 401,887.93	\$ -	\$ 40,188.79	\$ 40,188.79	\$ -	\$ 361,699.14	\$ 361,699.14	Customers-All Total
	\$ 251,776.42	\$ -	\$ -	\$ -	\$ 40,477.25	\$ 40,477.25	\$ -	\$ 337,461.57	\$ 337,461.57	Direct-OR Total
	\$ 13,911.85	\$ -	\$ -	\$ -	\$ 13,911.85	\$ 13,911.85	\$ -	\$ -	\$ -	Direct-WA Total
	\$ 265,688.27	\$ 821,623.74	\$ 1,087,312.01	\$ 13,911.85	\$ 83,993.08	\$ 97,904.93	\$ 251,776.42	\$ 737,630.66	\$ 989,407.08	sendout volumes Total
874 Mains and Services Expense Total	\$ -	\$ 420.59	\$ 420.59	\$ -	\$ 42.06	\$ 42.06	\$ -	\$ 378.53	\$ 378.53	3-factor Total
	\$ -	\$ 8,371.53	\$ 8,371.53	\$ -	\$ 666.37	\$ 666.37	\$ -	\$ 7,705.16	\$ 7,705.16	Sendout Volumes Total
	\$ -	\$ 4,882.11	\$ 4,882.11	\$ -	\$ 525.80	\$ 525.80	\$ -	\$ 4,356.31	\$ 4,356.31	Telemetering Total
875 Measuring and Regulator Station Expense - General Total	\$ -	\$ 13,674.23	\$ 13,674.23	\$ -	\$ 1,234.24	\$ 1,234.24	\$ -	\$ 12,439.99	\$ 12,439.99	3-factor Total
	\$ -	\$ 6,386.68	\$ 6,386.68	\$ -	\$ 638.87	\$ 638.87	\$ -	\$ 5,749.81	\$ 5,749.81	Customers-All Total
	\$ -	\$ 3,561.62	\$ 3,561.62	\$ -	\$ 381.45	\$ 381.45	\$ -	\$ 3,180.17	\$ 3,180.17	Direct-OR Total
	\$ 295.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295.50	\$ -	\$ -	Direct-WA Total
	\$ -	\$ 38,929.84	\$ 38,929.84	\$ -	\$ 3,098.82	\$ 3,098.82	\$ -	\$ 35,831.02	\$ 35,831.02	Sendout Volumes Total
877 Measuring and Regulator Station Expense - City Gate Total	\$ 295.50	\$ 48,880.14	\$ 49,175.64	\$ -	\$ 4,119.13	\$ 4,119.13	\$ 295.50	\$ 44,761.01	\$ 45,056.51	3-factor Total
	\$ -	\$ (9,580.83)	\$ (9,580.83)	\$ -	\$ (958.08)	\$ (958.08)	\$ -	\$ (8,622.75)	\$ (8,622.75)	Customers-All Total
	\$ -	\$ 467,475.47	\$ 467,475.47	\$ -	\$ 50,066.62	\$ 50,066.62	\$ -	\$ 417,408.85	\$ 417,408.85	Direct-OR Total

FERC Description	System			Washington			Oregon			Allocation Method	
	Direct	Allocated		Direct	Allocated		Direct	Allocated			Total
		Apr	Apr		Apr	Apr		Apr	Apr		
	\$ -	\$ 7,792.54	\$ 7,792.54	\$ -	\$ 596.13	\$ 596.13	\$ -	\$ 7,196.41	\$ 7,196.41	Customers-Ind Total	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total	
	\$ 112.98	\$ -	\$ 112.98	\$ -	\$ -	\$ -	\$ 112.98	\$ -	\$ 112.98	Direct-OR Total	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Employee Cost Total	
	\$ -	\$ 2,017.73	\$ 2,017.73	\$ -	\$ 160.61	\$ 160.61	\$ -	\$ 1,857.12	\$ 1,857.12	Sendout Volumes Total	
878 Meter and House Regulator Expense Total	\$ 112.98	\$ 467,704.91	\$ 467,817.89	\$ -	\$ 49,865.28	\$ 49,865.28	\$ 112.98	\$ 417,839.63	\$ 417,952.61		
	\$ -	\$ 23,506.36	\$ 23,506.36	\$ -	\$ 2,350.64	\$ 2,350.64	\$ -	\$ 21,155.72	\$ 21,155.72	3-factor Total	
	\$ -	\$ 757,203.29	\$ 757,203.29	\$ -	\$ 81,096.47	\$ 81,096.47	\$ -	\$ 676,106.82	\$ 676,106.82	Customers-All Total	
	\$ 5,250.95	\$ -	\$ 5,250.95	\$ -	\$ -	\$ -	\$ 5,250.95	\$ -	\$ 5,250.95	Direct-OR Total	
	\$ 830.03	\$ -	\$ 830.03	\$ 830.03	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-WA Total	
	\$ -	\$ 2,854.16	\$ 2,854.16	\$ -	\$ 272.57	\$ 272.57	\$ -	\$ 2,581.59	\$ 2,581.59	Employee Cost Total	
879 Customer Installation Expense Total	\$ 6,080.98	\$ 783,565.81	\$ 789,644.79	\$ 830.03	\$ 83,719.68	\$ 84,549.71	\$ 5,250.95	\$ 699,844.13	\$ 705,095.08		
	\$ -	\$ 137,531.87	\$ 137,531.87	\$ -	\$ 13,753.19	\$ 13,753.19	\$ -	\$ 123,778.68	\$ 123,778.68	3-factor Total	
	\$ -	\$ 20,340.31	\$ 20,340.31	\$ -	\$ 2,178.45	\$ 2,178.45	\$ -	\$ 18,161.86	\$ 18,161.86	Customers-All Total	
	\$ 43,793.73	\$ -	\$ 43,793.73	\$ -	\$ -	\$ -	\$ 43,793.73	\$ -	\$ 43,793.73	Direct-OR Total	
	\$ 9,234.13	\$ -	\$ 9,234.13	\$ 9,234.13	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-WA Total	
	\$ -	\$ 25,542.96	\$ 25,542.96	\$ -	\$ 2,033.22	\$ 2,033.22	\$ -	\$ 23,509.74	\$ 23,509.74	Sendout Volumes Total	
880 Other Expense Total	\$ 53,027.86	\$ 183,415.14	\$ 236,443.00	\$ 9,234.13	\$ 17,964.85	\$ 27,198.98	\$ 43,793.73	\$ 165,450.29	\$ 209,244.02		
	\$ -	\$ 5,764.60	\$ 5,764.60	\$ -	\$ 576.46	\$ 576.46	\$ -	\$ 5,188.14	\$ 5,188.14	3-factor Total	
	\$ -	\$ 2,363.46	\$ 2,363.46	\$ -	\$ 602.21	\$ 602.21	\$ -	\$ 1,761.25	\$ 1,761.25	Customers-The Dailies Total	
	\$ -	\$ 8,128.06	\$ 8,128.06	\$ -	\$ 1,178.67	\$ 1,178.67	\$ -	\$ 6,949.39	\$ 6,949.39		
881 Rents Total	\$ -	\$ 207,481.83	\$ 207,481.83	\$ -	\$ 20,748.18	\$ 20,748.18	\$ -	\$ 186,733.65	\$ 186,733.65		
	\$ -	\$ 1,944.61	\$ 1,944.61	\$ -	\$ 208.27	\$ 208.27	\$ -	\$ 1,736.34	\$ 1,736.34	3-factor Total	
	\$ 639,283.92	\$ -	\$ 639,283.92	\$ -	\$ -	\$ -	\$ 639,283.92	\$ -	\$ 639,283.92	Customers-All Total	
	\$ 2,918.17	\$ -	\$ 2,918.17	\$ 2,918.17	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-WA Total	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Employee Cost Total	
	\$ -	\$ 10,742.04	\$ 10,742.04	\$ -	\$ 855.07	\$ 855.07	\$ -	\$ 9,886.97	\$ 9,886.97	Sales volumes Total	
885 Supervision and Engineering Total	\$ 642,202.09	\$ 220,168.48	\$ 862,370.57	\$ 2,918.17	\$ 21,811.52	\$ 24,729.69	\$ 639,283.92	\$ 198,356.96	\$ 837,640.88		
	\$ -	\$ 15,014.21	\$ 15,014.21	\$ -	\$ 1,501.42	\$ 1,501.42	\$ -	\$ 13,512.79	\$ 13,512.79	3-factor Total	
	\$ -	\$ 85,440.29	\$ 85,440.29	\$ -	\$ 10,030.69	\$ 10,030.69	\$ -	\$ 75,409.60	\$ 75,409.60	Customers Port/Van 80% Total	
	\$ -	\$ 961.55	\$ 961.55	\$ -	\$ 102.98	\$ 102.98	\$ -	\$ 858.57	\$ 858.57	Customers-All Total	
	\$ 157,570.15	\$ -	\$ 157,570.15	\$ -	\$ -	\$ -	\$ 157,570.15	\$ -	\$ 157,570.15	Direct-OR Total	
	\$ 8,135.27	\$ -	\$ 8,135.27	\$ 8,135.27	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-WA Total	
887 Mains Total	\$ 165,705.42	\$ 101,416.05	\$ 267,121.47	\$ 8,135.27	\$ 11,635.09	\$ 19,770.36	\$ 157,570.15	\$ 89,780.96	\$ 247,351.11		
	\$ -	\$ 3,061.80	\$ 3,061.80	\$ -	\$ 306.18	\$ 306.18	\$ -	\$ 2,755.62	\$ 2,755.62	3-factor Total	
	\$ 1,588.61	\$ -	\$ 1,588.61	\$ -	\$ -	\$ -	\$ 1,588.61	\$ -	\$ 1,588.61	Customers-All Total	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Firm Volumes Total	
	\$ -	\$ 73,082.52	\$ 73,082.52	\$ -	\$ 5,817.37	\$ 5,817.37	\$ -	\$ 67,265.15	\$ 67,265.15	Sendout Volumes Total	
	\$ -	\$ 23,634.50	\$ 23,634.50	\$ -	\$ 2,545.44	\$ 2,545.44	\$ -	\$ 21,089.06	\$ 21,089.06	Telemetering Total	
889 Measuring and Regulator Station Expense - General Total	\$ 1,588.61	\$ 99,778.82	\$ 101,367.43	\$ -	\$ 8,668.98	\$ 8,668.98	\$ 1,588.61	\$ 91,109.84	\$ 92,698.45		
	\$ -	\$ 53.92	\$ 53.92	\$ -	\$ 5.39	\$ 5.39	\$ -	\$ 48.53	\$ 48.53	3-factor Total	
	\$ 1,201.17	\$ -	\$ 1,201.17	\$ -	\$ -	\$ -	\$ 1,201.17	\$ -	\$ 1,201.17	Direct-OR Total	
891 Measuring and Regulator Station Expense - City Gate Total	\$ 1,201.17	\$ 6,095.71	\$ 7,296.88	\$ -	\$ 482.03	\$ 482.03	\$ -	\$ 5,573.68	\$ 6,823.37		
	\$ -	\$ 6,109.63	\$ 6,109.63	\$ -	\$ 487.43	\$ 487.43	\$ 1,201.17	\$ 5,622.20	\$ 6,823.37	Sendout Volumes Total	
	\$ -	\$ 1,129.61	\$ 1,129.61	\$ -	\$ 112.96	\$ 112.96	\$ -	\$ 1,016.65	\$ 1,016.65	3-factor Total	
	\$ 61,680.51	\$ -	\$ 61,680.51	\$ -	\$ -	\$ -	\$ 61,680.51	\$ -	\$ 61,680.51	Customers-All Total	
	\$ 3,865.70	\$ -	\$ 3,865.70	\$ 3,865.70	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total	
	\$ -	\$ 7,692.74	\$ 7,692.74	\$ -	\$ 612.34	\$ 612.34	\$ -	\$ 7,080.40	\$ 7,080.40	Direct-WA Total	
892 Services Total	\$ 65,546.21	\$ 8,822.35	\$ 74,368.56	\$ 3,865.70	\$ 725.30	\$ 4,591.00	\$ 61,680.51	\$ 8,097.05	\$ 69,777.56		
	\$ -	\$ 1,404.02	\$ 1,404.02	\$ -	\$ 140.40	\$ 140.40	\$ -	\$ 1,263.62	\$ 1,263.62	3-factor Total	
	\$ -	\$ 116,256.35	\$ 116,256.35	\$ -	\$ 12,451.06	\$ 12,451.06	\$ -	\$ 103,805.29	\$ 103,805.29	Customers-All Total	
	\$ -	\$ 7,613.89	\$ 7,613.89	\$ -	\$ 722.56	\$ 722.56	\$ -	\$ 6,891.33	\$ 6,891.33	Customers-Comm Total	
	\$ -	\$ 979.33	\$ 979.33	\$ -	\$ 74.92	\$ 74.92	\$ -	\$ 904.41	\$ 904.41	Customers-Ind Total	
	\$ -	\$ 26,797.14	\$ 26,797.14	\$ -	\$ 2,907.49	\$ 2,907.49	\$ -	\$ 23,889.65	\$ 23,889.65	Customers-Res Total	

FERC Description	System			Washington			Oregon			Allocation Method
	Direct Apr	Allocated Apr	Total Apr	Direct Apr	Allocated Apr	Total Apr	Direct Apr	Allocated Apr	Total Apr	
	\$(99.33)	\$-	\$(99.33)	\$-	\$-	\$(99.33)	\$(99.33)	\$-	\$(99.33)	Direct-OR Total
	\$-	\$79,807.47	\$79,807.47	\$-	\$6,352.67	\$6,352.67	\$-	\$73,454.80	\$73,454.80	Sendout Volumes Total
893 Meters and House Regulators Total	\$(99.33)	\$232,858.20	\$232,758.87	\$-	\$22,649.10	\$22,649.10	\$(99.33)	\$210,209.10	\$210,109.77	
	\$-	\$1,482.25	\$1,482.25	\$-	\$148.23	\$148.23	\$-	\$1,334.03	\$1,334.03	3-factor Total
	\$836.14	\$-	\$836.14	\$-	\$-	\$-	\$836.14	\$-	\$836.14	Direct-OR Total
894 Other Equipment Total	\$-	\$1,482.25	\$1,482.25	\$-	\$148.23	\$148.23	\$836.14	\$-	\$2,170.17	
	\$-	\$128,505.61	\$128,505.61	\$-	\$13,762.95	\$13,762.95	\$-	\$114,742.66	\$114,742.66	3-factor Total
	\$-	\$24.00	\$24.00	\$-	\$2.40	\$2.40	\$-	\$21.60	\$21.60	Customers-All Total
	\$-	\$61,575.55	\$61,575.55	\$-	\$6,594.74	\$6,594.74	\$-	\$54,980.81	\$54,980.81	3-factor Total
	\$-	\$61,599.55	\$61,599.55	\$-	\$6,597.14	\$6,597.14	\$-	\$55,002.41	\$55,002.41	Customers-All Total
902 Meter Reading Expenses Total	\$-	\$86,004.91	\$86,004.91	\$-	\$8,600.49	\$8,600.49	\$-	\$77,404.42	\$77,404.42	
	\$-	\$1,229,085.16	\$1,229,085.16	\$-	\$131,635.02	\$131,635.02	\$-	\$1,097,450.14	\$1,097,450.14	Customers-All Total
	\$-	\$30,631.27	\$30,631.27	\$-	\$2,343.29	\$2,343.29	\$-	\$28,287.98	\$28,287.98	Customers-Ind Total
	\$-	\$395,107.88	\$398,107.88	\$-	\$43,194.70	\$43,194.70	\$-	\$354,913.18	\$354,913.18	Customers-Res Total
	\$-	\$1,743,829.22	\$1,743,829.22	\$-	\$185,773.51	\$185,773.51	\$-	\$1,558,055.71	\$1,558,055.71	Customers-Res Total
903 Customer Records and Collection Expense Total	\$-	\$(19,334.00)	\$(19,334.00)	\$-	\$(2,070.67)	\$(2,070.67)	\$-	\$(17,263.33)	\$(17,263.33)	
	\$-	\$7,109.02	\$7,109.02	\$-	\$674.65	\$674.65	\$-	\$6,434.37	\$6,434.37	Customers-Comm Total
	\$-	\$1,866.08	\$1,866.08	\$-	\$142.91	\$142.91	\$-	\$1,723.17	\$1,723.17	Customers-Ind Total
	\$-	\$71,527.41	\$71,527.41	\$-	\$7,760.72	\$7,760.72	\$-	\$63,766.69	\$63,766.69	Customers-Res Total
	\$1,147.77	\$-	\$1,147.77	\$-	\$-	\$-	\$1,147.77	\$-	\$1,147.77	Direct-OR Total
904 Uncollectible Accounts Total	\$1,147.77	\$61,170.51	\$62,318.28	\$-	\$6,507.61	\$6,507.61	\$1,147.77	\$54,662.90	\$55,810.67	
	\$-	\$648.78	\$648.78	\$-	\$70.39	\$70.39	\$-	\$578.39	\$578.39	Customers-Res Total
907 Supervision Total	\$-	\$648.78	\$648.78	\$-	\$70.39	\$70.39	\$-	\$578.39	\$578.39	
	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	3-factor Total
	\$-	\$43,487.64	\$43,487.64	\$-	\$4,657.53	\$4,657.53	\$-	\$38,830.11	\$38,830.11	Customers-All Total
	\$-	\$80,408.11	\$80,408.11	\$-	\$6,151.22	\$6,151.22	\$-	\$74,256.89	\$74,256.89	Customers-Ind Total
	\$-	\$81.07	\$81.07	\$-	\$8.80	\$8.80	\$-	\$72.27	\$72.27	Customers-Res Total
	\$(1,582.15)	\$-	\$(1,582.15)	\$-	\$-	\$-	\$(1,582.15)	\$-	\$(1,582.15)	direct-or Total
	\$(1,582.15)	\$123,976.82	\$122,394.67	\$-	\$10,817.54	\$10,817.54	\$(1,582.15)	\$113,159.28	\$111,577.13	Direct-WA Total
908 Customer Assistance Expense Total	\$-	\$133,796.23	\$133,796.23	\$-	\$14,329.58	\$14,329.58	\$-	\$119,466.65	\$119,466.65	
	\$-	\$133,796.23	\$133,796.23	\$-	\$14,329.58	\$14,329.58	\$-	\$119,466.65	\$119,466.65	Customers-All Total
909 Customer Information Expense Total	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	
	\$-	\$17,612.57	\$17,612.57	\$-	\$1,910.96	\$1,910.96	\$-	\$15,701.61	\$15,701.61	Customers-All Total
910 Miscellaneous Customer Service Expense Total	\$-	\$17,612.57	\$17,612.57	\$-	\$1,910.96	\$1,910.96	\$-	\$15,701.61	\$15,701.61	
	\$-	\$14,810.09	\$14,810.09	\$-	\$1,586.16	\$1,586.16	\$-	\$13,223.93	\$13,223.93	Customers-Res Total
911 Supervision Total	\$-	\$14,810.09	\$14,810.09	\$-	\$1,586.16	\$1,586.16	\$-	\$13,223.93	\$13,223.93	
	\$-	\$80.00	\$80.00	\$-	\$8.00	\$8.00	\$-	\$72.00	\$72.00	3-factor Total
	\$-	\$295,770.80	\$295,770.80	\$-	\$31,677.05	\$31,677.05	\$-	\$264,093.75	\$264,093.75	Customers-All Total
	\$-	\$590.50	\$590.50	\$-	\$64.07	\$64.07	\$-	\$526.43	\$526.43	Customers-Res Total
	\$17.28	\$-	\$17.28	\$-	\$-	\$-	\$17.28	\$-	\$17.28	Direct-OR Total
912 Demonstration and Selling Expense Total	\$17.28	\$296,441.30	\$296,458.58	\$-	\$31,749.12	\$31,749.12	\$17.28	\$264,692.18	\$264,709.46	
	\$-	\$61,646.01	\$61,646.01	\$-	\$6,602.29	\$6,602.29	\$-	\$55,043.72	\$55,043.72	Customers-All Total
913 Advertising Total	\$-	\$61,646.01	\$61,646.01	\$-	\$6,602.29	\$6,602.29	\$-	\$55,043.72	\$55,043.72	
	\$-	\$3,851,748.15	\$3,851,748.15	\$-	\$385,174.82	\$385,174.82	\$-	\$3,466,573.34	\$3,466,573.34	3-factor Total
	\$-	\$43,022.15	\$43,022.15	\$-	\$4,607.67	\$4,607.67	\$-	\$38,414.48	\$38,414.48	Customers-All Total
	\$-	\$40.00	\$40.00	\$-	\$3.06	\$3.06	\$-	\$36.94	\$36.94	customers-Ind Total
	\$-	\$12,527.78	\$12,527.78	\$-	\$1,359.26	\$1,359.26	\$-	\$11,168.52	\$11,168.52	Customers-Res Total
	\$66,188.98	\$-	\$66,188.98	\$-	\$-	\$-	\$66,188.98	\$-	\$66,188.98	Direct-OR Total
	\$-	\$226,404.26	\$226,404.26	\$-	\$21,621.61	\$21,621.61	\$-	\$204,782.65	\$204,782.65	Employee Cost Total
	\$-	\$154,744.08	\$154,744.08	\$-	\$46,423.22	\$46,423.22	\$-	\$108,320.86	\$108,320.86	Firm Volumes Total
	\$-	\$423.62	\$423.62	\$-	\$40.12	\$40.12	\$-	\$383.50	\$383.50	Regulatory Total
	\$-	\$360.06	\$360.06	\$-	\$28.66	\$28.66	\$-	\$331.40	\$331.40	Sales/Sendout Volumes Total
921 Office Supplies and Expense Total	\$66,188.98	\$4,289,270.10	\$4,355,459.08	\$-	\$459,258.42	\$459,258.42	\$66,188.98	\$3,830,011.68	\$3,896,200.66	Sendout Volumes Total

FERC Description	System			Washington			Oregon			Allocation Method
	Direct Apr	Allocated Apr	Total Apr	Direct Apr	Allocated Apr	Total Apr	Direct Apr	Allocated Apr	Total Apr	
	\$ -	\$ (1,351,305.00)	\$ (1,351,305.00)	\$ -	\$ (142,292.42)	\$ (142,292.42)	\$ -	\$ (1,209,012.58)	\$ (1,209,012.58)	Admin Train Total
	\$ -	\$ (501,225.11)	\$ (501,225.11)	\$ -	\$ (47,867.00)	\$ (47,867.00)	\$ -	\$ (453,358.11)	\$ (453,358.11)	Employee Cost Total
922 Administrative Expenses Transferred - Credit Total	\$ -	\$ (1,852,530.11)	\$ (1,852,530.11)	\$ -	\$ (190,159.41)	\$ (190,159.41)	\$ -	\$ (1,662,370.70)	\$ (1,662,370.70)	
924 Property Insurance Premium Total	\$ -	\$ 230,792.75	\$ 230,792.75	\$ -	\$ 23,079.28	\$ 23,079.28	\$ -	\$ 207,713.48	\$ 207,713.48	3-factor Total
	\$ -	\$ 230,792.75	\$ 230,792.75	\$ -	\$ 23,079.28	\$ 23,079.28	\$ -	\$ 207,713.48	\$ 207,713.48	
	\$ 873.79	\$ 2,262.00	\$ 2,262.00	\$ -	\$ 226.20	\$ 226.20	\$ -	\$ 2,035.80	\$ 2,035.80	3-factor Total
	\$ 873.79	\$ 2,262.00	\$ 2,262.00	\$ -	\$ 226.20	\$ 226.20	\$ -	\$ 2,035.80	\$ 2,035.80	direct-or Total
925 Injuries and Damages Total	\$ 754.00	\$ -	\$ 754.00	\$ -	\$ -	\$ -	\$ 754.00	\$ -	\$ 754.00	Direct-OR Total
	\$ -	\$ 121,887.45	\$ 121,887.45	\$ -	\$ 11,640.25	\$ 11,640.25	\$ -	\$ 110,247.20	\$ 110,247.20	Employee Cost Total
926 Employee Pensions and Benefits Total	\$ 754.00	\$ 121,887.45	\$ 122,641.45	\$ -	\$ 11,640.25	\$ 11,640.25	\$ 754.00	\$ 110,247.20	\$ 111,001.20	
	\$ -	\$ 369,122.90	\$ 369,122.90	\$ -	\$ 36,912.29	\$ 36,912.29	\$ -	\$ 332,210.61	\$ 332,210.61	3-factor Total
930 Miscellaneous General Expense Total	\$ -	\$ 365,655.46	\$ 365,655.46	\$ -	\$ 38,565.55	\$ 38,565.55	\$ -	\$ 347,089.91	\$ 347,089.91	3-factor Total
	\$ -	\$ 2,330.00	\$ 2,330.00	\$ -	\$ 249.54	\$ 249.54	\$ -	\$ 2,080.46	\$ 2,080.46	Customers-All Total
	\$ 3,989.18	\$ -	\$ 3,989.18	\$ -	\$ -	\$ -	\$ 3,989.18	\$ -	\$ 3,989.18	Direct-OR Total
931 Rents Total	\$ 3,989.18	\$ 387,985.46	\$ 391,974.64	\$ -	\$ 38,815.09	\$ 38,815.09	\$ 3,989.18	\$ 349,170.37	\$ 353,159.55	
	\$ -	\$ 269,467.81	\$ 269,467.81	\$ -	\$ 26,946.78	\$ 26,946.78	\$ -	\$ 242,521.03	\$ 242,521.03	3-factor Total
	\$ -	\$ 1,993.74	\$ 1,993.74	\$ -	\$ 204.46	\$ 204.46	\$ -	\$ 1,789.28	\$ 1,789.28	Customers portvan Total
	\$ -	\$ 13,035.93	\$ 13,035.93	\$ -	\$ 1,396.15	\$ 1,396.15	\$ -	\$ 11,639.78	\$ 11,639.78	Customers-All Total
	\$ -	\$ 628.10	\$ 628.10	\$ -	\$ 160.04	\$ 160.04	\$ -	\$ 468.06	\$ 468.06	Customers-The Dalles Total
	\$ 33,997.01	\$ -	\$ 33,997.01	\$ -	\$ -	\$ -	\$ 33,997.01	\$ -	\$ 33,997.01	Direct-OR Total
	\$ 4,351.04	\$ -	\$ 4,351.04	\$ 4,351.04	\$ -	\$ 4,351.04	\$ -	\$ -	\$ -	Direct-WA Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Employee Cost Total
	\$ -	\$ 356.42	\$ 356.42	\$ -	\$ 33.54	\$ 33.54	\$ -	\$ 322.88	\$ 322.88	Firm Volumes Total
	\$ -	\$ 315.56	\$ 315.56	\$ -	\$ 29.88	\$ 29.88	\$ -	\$ 285.68	\$ 285.68	sales volumes Total
935 Maintenance of General Plant Total	\$ 38,348.05	\$ 285,197.56	\$ 323,545.61	\$ 4,351.04	\$ 28,770.85	\$ 33,121.89	\$ 33,997.01	\$ 256,426.71	\$ 290,423.72	
Grand Total	\$ 1,420,743.73	\$ 10,385,639.04	\$ 11,806,382.77	\$ 43,246.19	\$ 1,081,794.97	\$ 1,125,041.16	\$ 1,377,897.54	\$ 9,303,844.07	\$ 10,681,341.61	

May 2016 Activity

NW Natural
Washington Results of Operations
 Monthly Summary

Total Operating Revenue
 Total Rate Base
 Rate Of Return on Rate Base

	System Direct	System Allocated	System Total	Washington Direct	Washington Allocated	Washington Total	Oregon Direct	Oregon Allocated	Oregon Total
Total Operating Revenue			2,657,751			(214,701)			2,872,452
Total Rate Base			1,075,119,539			118,511,640			956,607,918
Rate Of Return on Rate Base			0.25%			-0.18%			0.30%

Washington Quarterly Results of Operations Report

Monthly Summary Acct Description	System		Washington		Washington		Oregon		Oregon		May 2016 Total
	Direct	Allocated	Direct	Allocated	Direct	Allocated	Direct	Allocated	Direct	Allocated	
480.1 Sales of Gas	24,384,391	(5,963,843)	2,263,020	(3,381,862)	2,263,020	(3,381,862)	22,121,371	(5,587,247)	22,121,371	(5,587,247)	22,121,371
481.1 Residential	13,217,084		939,400		939,400		12,277,684		12,277,684		12,277,684
481.2 Commercial	1,501,600		143,332		143,332		1,446,138		1,446,138		1,446,138
481.3 Industrial Firm	1,462,087		36,066		36,066		1,426,018		1,426,018		1,426,018
481.5 Interruptible	0		0		0		0		0		0
481.5 Interruptible Incentive	0		0		0		0		0		0
481.5 Unbilled Revenue	0		0		0		0		0		0
481.5 Total Sales of Gas	40,655,052	(5,963,843)	34,691,209	(3,381,862)	34,691,209	(3,381,862)	37,272,190	(5,587,247)	37,272,190	(5,587,247)	31,685,944
489.1.2 Transportation Revenue	888,633		888,633		888,633		888,633		888,633		888,633
489.1.2 Industrial Firm	666,178		666,178		666,178		666,178		666,178		666,178
489.1.2 Interruptible	0		0		0		0		0		0
489.1.2 Interruptible Incentive	896		896		896		896		896		896
489.1.2 Agency Fee/Balancing	0		0		0		0		0		0
489.3 Total Transportation Revenue	1,555,707	0	1,555,707	0	1,555,707	0	1,555,707	0	1,555,707	0	1,555,707
495.6 Rate Adjustments - Amortizations	408,400		408,400		408,400		408,400		408,400		408,400
487 Miscellaneous Revenues	207,256		207,256		207,256		207,256		207,256		207,256
488.0 Late Payment Charge	1,100		1,100		1,100		1,100		1,100		1,100
488.0 Seasonal Reconnect Fee	26,150		26,150		26,150		26,150		26,150		26,150
488.1 Returned Check Charge	8,280		8,280		8,280		8,280		8,280		8,280
488.1 Recon Charge CR During Office Hours	25,850		25,850		25,850		25,850		25,850		25,850
488.4 Field Collection	3,340		3,340		3,340		3,340		3,340		3,340
488.5 Recon Charge CR After Office Hours	4,680		4,680		4,680		4,680		4,680		4,680
488.5 Recon Charge Seas During Office Hours	890		890		890		890		890		890
488.6 Recon Charge Seas After Office Hours	50		50		50		50		50		50
488.7 Automated Payment Charge	4,940		4,940		4,940		4,940		4,940		4,940
488.8 Meter Rentals	17,147	29,875	29,875	2,231	17,147	2,231	15,466	27,644	15,466	27,644	15,466
493.1 Other Gas Revenue - Miscellaneous	9,805		9,805		9,805		9,805		9,805		9,805
495.2 Total Miscellaneous Revenues	346,498	29,875	376,373	2,231	20,472	2,231	326,026	27,644	326,026	27,644	353,670
Total Operating Revenue	42,965,557	(5,933,969)	37,031,688	(3,743,366)	31,290,219	(3,743,366)	39,471,072	(5,559,603)	39,471,072	(5,559,603)	33,911,469
804.7 WACOG Incurred	7,451,087		7,451,087		7,451,087		7,451,087		7,451,087		7,451,087
805.7 WACOG Deferred	2,123,208		2,123,208		2,123,208		2,123,208		2,123,208		2,123,208
804.6 Demand Incurred	7,289,708		7,289,708		7,289,708		7,289,708		7,289,708		7,289,708
805.8 Demand Deferred	(3,933,324)		(3,933,324)		(3,933,324)		(3,933,324)		(3,933,324)		(3,933,324)
805.4 Amortization of Gas Costs	(274,139)		(274,139)		(274,139)		(274,139)		(274,139)		(274,139)
805.4 Total Cost of Gas	12,656,551	0	12,656,551	0	12,656,551	0	12,656,551	0	12,656,551	0	11,533,985
Operations & Maintenance	1,690,354	10,045,298	11,735,652	101,105	1,167,229	1,066,124	1,589,249	8,979,174	1,589,249	8,979,174	10,588,423
Other Taxes	1,759,432		1,759,432		1,759,432		1,759,432		1,759,432		1,759,432
408.11 Property	1,026,366		1,026,366		1,026,366		1,026,366		1,026,366		1,026,366
408.12 Franchise	496,181		496,181		496,181		496,181		496,181		496,181
408.13 Payroll	8,418		8,418		8,418		8,418		8,418		8,418
408.14 Other	0		0		0		0		0		0
408.15 Regulatory	0		0		0		0		0		0
408.15 Total Other Taxes	2,794,217	496,181	3,290,398	292,403	47,733	47,733	2,501,813	448,449	2,501,813	448,449	2,950,262
403.1 Depreciation	6,318,896		6,318,896		6,318,896		6,318,896		6,318,896		6,318,896
Income Taxes	(3,002,770)		(3,002,770)		(3,002,770)		(3,002,770)		(3,002,770)		(3,002,770)
409.11 Federal Income Taxes	4,677,909		4,677,909		4,677,909		4,677,909		4,677,909		4,677,909
410.1 Federal Income Taxes - Deferred	(1,851,854)		(1,851,854)		(1,851,854)		(1,851,854)		(1,851,854)		(1,851,854)
411.4 Oregon Income Tax Credit	(46,135)		(46,135)		(46,135)		(46,135)		(46,135)		(46,135)
409.1 Oregon Income Taxes	995,092		995,092		995,092		995,092		995,092		995,092
410.1 Oregon Income Taxes - Deferred	(399,801)		(399,801)		(399,801)		(399,801)		(399,801)		(399,801)
411.1 Total Income Taxes	372,441		372,441		372,441		372,441		372,441		315,517
Total Operating Revenue Deductions	17,141,121	16,860,375	34,373,937	1,516,074	1,761,922	1,761,922	15,625,047	15,098,452	15,625,047	15,098,452	31,099,017
Net Operating Income	25,824,436	(16,860,375)	9,964,061	(1,516,074)	8,447,987	(1,516,074)	23,846,025	(16,616,854)	23,846,025	(16,616,854)	12,811,452

NW Natural
Washington Results of Operations
 Monthly Summary

	System Direct	System Allocated	System Total	Washington Direct	Washington Allocated	Washington Total	Oregon Direct	Oregon Allocated	Oregon Total
Rate Base									
101 Gross Plant			2,759,116,782			281,518,090			2,477,598,692
108.1X Accumulated Depreciation			(1,238,176,666)			(119,233,034)			(1,118,943,631)
ADJ Working Capital Allowance			(21,354,820)			(3,322,278)			(18,032,542)
117.X Storage Gas - Cushion			14,153,502			1,331,845			12,821,658
186.XX Leasehold Improvements			593,361			59,336			534,025
252.XX Customer Contributions			(3,389,691)			(466,513)			(2,923,179)
283.XX Deferred Taxes - Federal			(361,348,603)			(41,375,806)			(319,972,797)
283.XX Deferred Taxes - State			(74,472,266)			0			(74,472,366)
Total Rate Base			1,075,119,559			118,511,640			956,607,918
Rate Of Return on Rate Base			0.25%			-0.18%			0.30%
Allocation References:									
A Unbilled Revenue			100.00%			9.82%			90.18%
B Follows plant split			100.00%			10.68%			89.32%
C&M See CO&M Detail									
C Payroll Factor			100.00%			9.62%			90.38%
D Depreciation Factor			100.00%			10.26%			89.74%

**NW Natural
 Washington Results of Operations
 12 Month Ended Reports**

Summary

Total Operating Revenue
 Total Rate Base
 Rate Of Return on Rate Base

	System Direct	System Allocated	Washington Direct	Washington Allocated	Washington Total	Oregon Direct	Oregon Allocated	Oregon Total
		104,421,605			6,972,352			97,449,253
		1,135,309,046			123,739,747			1,012,569,299
		9.12%			5.63%			9.62%

Account	Description	Alloc. Ref.	System		Washington		Washington		Oregon	
			Direct	Allocated	Direct	Allocated	Direct	Allocated	Direct	Allocated
NW Natural										
Washington Results of Operations										
12 Month Ended Reports										
480.1	Sales of Gas		413,035,779	0	42,913,240	0	42,913,240	0	370,122,539	0
481.1	Commercial		28,639,699	0	17,882,057	0	17,882,057	0	191,357,852	0
481.2	Industrial Firm		23,019,419	0	6,626,332	0	6,626,332	0	20,938,946	0
481.3	Interruptible		24,766,828	0	626,332	0	626,332	0	24,140,505	0
481.5	Interruptible Incentive		0	0	0	0	0	0	0	0
485.20	Unbilled Revenue		653,628	653,628	0	(5,830)	(5,830)	659,459	659,459	607,219,301
	Total Sales of Gas		669,462,134	653,628	670,115,762	(5,830)	62,896,461	659,459	607,219,301	
Transportation Revenue										
489.12	Industrial Firm		10,717,213	0	1,231,506	0	1,231,506	0	9,485,707	0
489.11	Interruptible		7,870,858	0	893,017	0	893,017	0	6,977,841	0
489.13	Interruptible Incentive		0	0	0	0	0	0	0	0
489.3	Agency Fee/Balancing		46,719	0	46,719	0	46,719	0	46,719	0
	Total Transportation Revenue		18,634,790	0	2,124,532	0	2,124,532	0	16,510,268	0
Rate Adjustments - Amortizations										
495.6	Miscellaneous Revenues		1,072,051	0	1,072,051	0	(1,593,758)	0	2,665,809	0
Miscellaneous Revenues										
487	Late Payment Charge		2,072,482	0	88,931	0	88,931	0	1,983,551	0
488.0	Seasonal Reconnect Fee		18,100	0	0	0	0	0	18,100	0
488.1	Relinquish Reconnect Fee		283,450	0	2,050	0	2,050	0	281,400	0
488.2	Reconnect Charge		104,535	0	10,470	0	10,470	0	94,365	0
488.3	Field Collection Charge		366,230	0	13,690	0	13,690	0	257,580	0
488.4	Recon Charge CR After Office Hours		37,180	0	3,270	0	3,270	0	352,840	0
488.5	Recon Charge Seals During Office Hours		17,175	0	1,185	0	1,185	0	15,990	0
488.6	Recon Charge Seals After Office Hours		2,610	0	2,450	0	2,450	0	160	0
488.7	Automated Payment Charge		52,550	0	6,655	0	6,655	0	45,895	0
488.8	Rent - Utility Property		323,232	0	23,541	0	23,541	0	299,690	0
493.2	Meter Rentals		207,428	0	19,071	0	19,071	0	188,358	0
495.1	Other Gas Revenue - Miscellaneous		134,139	0	21,654	0	21,654	0	112,485	0
495.2	Total Miscellaneous Revenues		3,987,449	323,232	3,910,680	23,245	257,786	299,690	3,652,894	
Total Operating Revenue										
			692,756,423	976,860	693,733,283	17,711	63,685,012	959,149	630,048,272	
Cost of Gas										
804.7	WACOG Incurred		189,915,195	0	17,194,809	0	17,194,809	0	172,720,386	0
805.7	WACOG Deferred		27,278,797	0	4,024,691	0	4,024,691	0	23,254,106	0
804.6	Demand Incurred		81,456,311	0	8,416,465	0	8,416,465	0	73,039,846	0
805.8	Demand Deferred		(8,783,298)	0	(1,081,989)	0	(1,081,989)	0	(7,701,309)	0
805.4	Amortization of Gas Costs		(43,201)	0	(1,685,607)	0	(1,685,607)	0	1,642,406	0
	Total Cost of Gas		289,823,805	0	289,823,805	0	26,868,370	0	262,955,435	0
Operations & Maintenance										
408.11	Property		20,544,906	0	1,553,494	0	1,553,494	0	18,991,412	0
408.12	Franchise		17,760,493	0	2,580,992	0	2,580,992	0	15,179,501	0
408.13	Payroll		5,463,114	0	556,059	0	556,059	0	4,907,055	0
408.14	Other		528,094	0	89,313	0	89,313	0	438,780	0
408.15	Regulatory		1,767,110	0	133,752	0	133,752	0	1,633,358	0
	Total Other Taxes		40,600,602	5,463,114	46,063,716	556,059	4,913,611	4,907,055	41,150,106	
403.1	Depreciation		0	74,925,279	74,925,279	0	7,814,990	0	67,110,288	0
Income Taxes										
409.11	Federal Income Taxes		5,955,539	0	4,283,008	0	4,283,008	0	41,283,008	0
410.1	Federal Income Taxes - Deferred		(12,533,157)	0	(67,923)	0	(67,923)	0	(12,465,234)	0
409.1	Oregon Income Taxes		10,572,595	0	370,278	0	370,278	0	10,572,595	0
410.1	Oregon Income Taxes - Deferred		(2,999,557)	0	(42,648,706)	0	(42,648,706)	0	(2,999,557)	0
411.1	Total Income Taxes		3,095,420	0	(42,648,706)	0	(42,648,706)	0	(38,934,929)	0
Total Operating Revenue Deductions										
			341,871,539	204,791,433	589,311,678	21,131,088	56,712,660	183,660,945	539,599,018	
Net Operating Income										
			104,421,605	0	69,421,605	0	6,972,952	97,449,253	97,449,253	

**NW Natural
 Washington Results of Operations
 12 Month Ended Reports**

Rate Base	
101 Gross Plant	
108.1X Accumulated Depreciation	
Adj Working Capital Allowance	
117.X Storage Gas - Cushion	
186.XX Leasehold Improvements	
252.XX Customer Contributions	
283.XX Deferred Taxes - Federal	
283.XX Deferred Taxes - State	
Total Rate Base	

Rate Of Return on Rate Base

Allocation References:
A Unbilled Revenue
B Direct
084 See Other Detail
C Payroll Factor
D Depreciation Factor

	System Direct	System Allocated	Washington Direct	Washington Allocated	Washington Total	Oregon Direct	Oregon Allocated	Oregon Total
101 Gross Plant		2,718,250,553			275,367,622			2,442,882,931
108.1X Accumulated Depreciation		(1,217,320,293)			(116,884,477)			(1,100,435,816)
Adj Working Capital Allowance		37,928,645			3,157,744			34,770,901
117.X Storage Gas - Cushion		14,165,379			1,331,309			12,834,070
186.XX Leasehold Improvements		732,378			95,100			637,278
252.XX Customer Contributions		(3,439,191)			(442,937)			(2,996,255)
283.XX Deferred Taxes - Federal		(343,525,309)			(38,884,615)			(384,441,693)
283.XX Deferred Taxes - State		(20,862,116)			0			(20,862,116)
Total Rate Base		1,136,309,046			123,739,747			1,012,569,299
Rate Of Return on Rate Base		9.19%			5.63%			9.62%
Allocation References:								
A Unbilled Revenue		100.00%			-0.89%			100.89%
B Direct		100.00%			7.28%			92.72%
084 See Other Detail		100.00%			10.18%			89.82%
C Payroll Factor		100.00%			10.18%			89.82%
D Depreciation Factor		100.00%			10.43%			89.57%

NW Natural
 Washington Quarterly Results of Operations Report
 Operations and Maintenance Expense: Allocation of System Amounts
 For the period ended May 31, 2016

		Month		
		<u>System</u>	<u>Washington</u>	<u>Oregon</u>
Natural Gas Storage				
Underground Storage Expense				
Operation				
816	Wells Expense	\$13,158	\$1,238	\$11,920
818	Compressor Station Expense	13,346	1,256	12,090
819	Compressor Station Fuel	0	0	0
820	Measuring and Regulator Station Expense	150,294	14,060	136,234
821	Purification Expense	35,611	3,351	32,260
Maintenance				
832	Wells Expense	<u>11,961</u>	<u>1,126</u>	<u>10,835</u>
Total Underground Storage Expense		<u>224,370</u>	<u>21,031</u>	<u>203,339</u>
Other Storage Expense				
Operation				
840	Supervision and Engineering	<u>9,493</u>	<u>921</u>	<u>8,572</u>
Total Other Storage Expense		<u>9,493</u>	<u>921</u>	<u>8,572</u>
Liquified Natural Gas Expense				
Operation				
844	Supervision and Engineering	105,507	9,928	95,579
845	LNG Fuel	-	-	-
Maintenance				
847	Supervision and Engineering	<u>72,716</u>	<u>6,843</u>	<u>65,873</u>
Total Liquified Natural Gas Expense		<u>178,223</u>	<u>16,771</u>	<u>161,452</u>
Total Natural Gas Storage		<u>412,086</u>	<u>38,723</u>	<u>373,363</u>
Transmission Expense				
Operation				
856	Mains Expense	233,264	8,668	224,596
Maintenance				
863	Maintenance of Mains	<u>1,026</u>	<u>103</u>	<u>924</u>
Total Transmission Expense		<u>234,290</u>	<u>8,770</u>	<u>225,520</u>
Distribution Expense				
Operation				
870	Supervision and Engineering	222,836	19,486	203,350
874	Mains and Services Expense	1,236,486	151,581	1,084,905
875	Measuring and Regulator Station Expense - General	28,906	2,487	26,418
877	Measuring and Regulator Station Expense - City Gate	45,228	3,837	41,391
878	Meter and House Regulator Expense	427,277	45,538	381,739
879	Customer Installation Expense	821,562	87,261	734,301
880	Other Expense	250,044	32,085	217,959
881	Rents	44,040	4,770	39,270
Maintenance				
885	Supervision and Engineering	777,000	26,228	750,771
887	Mains	453,251	28,082	425,168
889	Measuring and Regulator Station Expense - General	90,232	7,758	82,474
891	Measuring and Regulator Station Expense - City Gate	7,395	549	6,846
892	Services	108,729	9,668	99,060
893	Meters and House Regulators	244,657	22,811	221,846
894	Other Equipment	<u>2,008</u>	<u>139</u>	<u>1,869</u>
Total Distribution Expense		<u>4,759,650</u>	<u>442,282</u>	<u>4,317,368</u>

	<u>System</u>	<u>Washington</u>	<u>Oregon</u>
Customer Accounts Expense			
Operation			
901	Supervision	127,867	13,693
902	Meter Reading Expenses	56,376	6,038
903	Customer Records and Collection Expense	1,517,634	162,519
904	Uncollectible Accounts	42,590	4,872
	Total Customer Accounts Expense	<u>1,744,467</u>	<u>187,121</u>
Customer Service and Informational			
Operation			
907	Supervision	356	39
908	Customer Assistance Expense	54,218	14,254
909	Customer Information Expense	153,281	16,416
910	Miscellaneous Customer Service Expense	90,879	9,860
	Total Customer Service and Informational	<u>298,734</u>	<u>40,569</u>
Sales Expense			
Operation			
911	Supervision	13,688	1,466
912	Demonstration and Selling Expense	295,079	31,601
913	Advertising	43,203	4,627
916	Miscellaneous Sales Expense	-	-
	Total Sales Expense	<u>351,970</u>	<u>37,694</u>
Administrative and General Expense			
Operation			
921	Office Supplies and Expense	4,338,795	452,949
922	Administrative Expenses Transferred - Credit	(1,601,833)	(163,810)
924	Property Insurance Premium	264,310	26,431
925	Injuries and Damages	3,129	236
926	Employee Pensions and Benefits	39,225	3,674
928	Regulatory Commission Expense	-	-
930	Miscellaneous General Expense	96,374	9,637
931	Rents	389,779	38,595
Maintenance			
935	Maintenance of General Plant	404,678	44,358
	Total Administrative and General Expense	<u>3,934,456</u>	<u>412,070</u>
	Total Operations and Maintenance Expense	<u>\$11,735,652.11</u>	<u>\$1,167,229.26</u>
		<u>\$10,568,422.85</u>	

NW Natural
 Rates & Regulatory Affairs
 Operations and Maintenance Expense
 State Allocation of System Amounts
 For the period ended May 31, 2016

FERC Description	System			Washington			Oregon			Allocation Method
	Direct	Allocated	Total	Direct	Allocated	Total	Direct	Allocated	Total	
	May	May	May	May	May	May	May	May	May	
816 Wells Expense Total	\$ -	\$ 13,157.86	\$ 13,157.86	\$ -	\$ 1,238.15	\$ 1,238.15	\$ -	\$ -	\$ 11,919.71	Firm Volumes Total
818 Compressor Station Expense Total	\$ -	\$ 13,345.90	\$ 13,345.90	\$ -	\$ 1,238.15	\$ 1,238.15	\$ -	\$ -	\$ 11,919.71	Firm Volumes Total
819 Compressor Station Fuel Total	\$ -	\$ 0.01	\$ 0.01	\$ -	\$ 0.00	\$ 0.00	\$ -	\$ -	\$ 0.01	Firm Volumes Total
820 Measuring and Regulator Station Expense Total	\$ 1,081.95	\$ 145,934.77	\$ 145,934.77	\$ -	\$ 13,732.46	\$ 13,732.46	\$ 1,081.95	\$ -	\$ 2,949.28	3-factor Total
821 Purification Expense Total	\$ -	\$ 35,611.40	\$ 35,611.40	\$ -	\$ 3,351.03	\$ 3,351.03	\$ -	\$ -	\$ 32,260.37	Direct-OR Total
822 Wells Expense Total	\$ -	\$ 11,960.79	\$ 11,960.79	\$ -	\$ 1,125.51	\$ 1,125.51	\$ -	\$ -	\$ 10,835.28	Firm Volumes Total
840 Supervision and Engineering Total	\$ -	\$ 2,163.88	\$ 2,163.88	\$ -	\$ 231.75	\$ 231.75	\$ -	\$ -	\$ 1,932.13	Customers-All Total
844 Supervision and Engineering Total	\$ -	\$ 9,493.01	\$ 9,493.01	\$ -	\$ 689.67	\$ 689.67	\$ -	\$ -	\$ 6,659.46	Firm Volumes Total
847 Supervision and Engineering Total	\$ -	\$ 105,507.48	\$ 105,507.48	\$ -	\$ 9,928.25	\$ 9,928.25	\$ -	\$ -	\$ 8,571.59	Firm Volumes Total
856 Mains Expense Total	\$ -	\$ 72,715.82	\$ 72,715.82	\$ -	\$ 6,842.56	\$ 6,842.56	\$ -	\$ -	\$ 65,873.26	3-factor Total
863 Maintenance of Mains Total	\$ -	\$ 1,026.30	\$ 1,026.30	\$ -	\$ 102.63	\$ 102.63	\$ -	\$ -	\$ 923.67	Firm Volumes Total
870 Supervision and Engineering Total	\$ -	\$ 371,653.01	\$ 371,653.01	\$ -	\$ 37,165.30	\$ 37,165.30	\$ -	\$ -	\$ 334,487.71	3-factor Total
874 Mains and Services Expense Total	\$ 413,272.81	\$ 823,213.27	\$ 1,236,486.08	\$ 67,354.82	\$ 84,226.67	\$ 151,581.49	\$ 345,917.99	\$ -	\$ 43,534.25	Customers-All Total
875 Measuring and Regulator Station Expense - General Total	\$ -	\$ 22,210.67	\$ 22,210.67	\$ -	\$ 1,767.97	\$ 1,767.97	\$ -	\$ -	\$ 20,442.70	Direct-OR Total
877 Measuring and Regulator Station Expense - City Gate Total	\$ -	\$ 427,376.94	\$ 427,376.94	\$ -	\$ 45,772.07	\$ 45,772.07	\$ -	\$ -	\$ 381,604.87	Customers-All Total
	\$ -	\$ 3,418.62	\$ 3,418.62	\$ -	\$ 261.52	\$ 261.52	\$ -	\$ -	\$ 3,157.10	Customers-Res Total
	\$ 254.34	\$ -	\$ 254.34	\$ -	\$ -	\$ -	\$ 254.34	\$ -	\$ -	Direct-OR Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Employee Cost Total

FERC Description	System			Washington			Oregon			Allocation Method Customers-All Total
	Direct May	Allocated May	Total May	Direct May	Allocated May	Total May	Direct May	Allocated May	Total May	
902 Meter Reading Expenses Total	\$ -	\$ 56,376.18	\$ 56,376.18	\$ -	\$ 6,037.89	\$ 6,037.89	\$ -	\$ 50,338.29	\$ 50,338.29	Customers-All Total
	\$ -	\$ (57,552.64)	\$ (57,552.64)	\$ -	\$ (5,755.26)	\$ (5,755.26)	\$ -	\$ (51,797.38)	\$ (51,797.38)	3 factor Total
	\$ -	\$ 1,130,894.93	\$ 1,130,894.93	\$ -	\$ 121,118.85	\$ 121,118.85	\$ -	\$ 1,009,776.08	\$ 1,009,776.08	Customers-all Total
	\$ -	\$ 32,830.11	\$ 32,830.11	\$ -	\$ 2,511.50	\$ 2,511.50	\$ -	\$ 30,318.61	\$ 30,318.61	Customers-Ind Total

FERC Description	System				Washington				Oregon				Allocation Method	
	Direct		Total		Direct		Total		Direct		Total			Allocation Method
	May	Allocated	May	Total	May	Allocated	May	Total	May	Allocated	May	Total		
903 Customer Records and Collection Expense Total	\$ -	\$ 411,461.43	\$ -	\$ 411,461.43	\$ -	\$ 44,643.57	\$ -	\$ 44,643.57	\$ -	\$ 366,817.86	\$ -	\$ 366,817.86	Customers-Res Total	
	\$ -	\$ 1,517,633.83	\$ 1,517,633.83	\$ 1,517,633.83	\$ -	\$ 162,518.65	\$ 162,518.65	\$ 162,518.65	\$ -	\$ 1,355,115.18	\$ -	\$ 1,355,115.18	Customers-All Total	
	\$ -	\$ (6,194.00)	\$ (6,194.00)	\$ (6,194.00)	\$ -	\$ (663.38)	\$ (663.38)	\$ (663.38)	\$ -	\$ (5,530.62)	\$ -	\$ (5,530.62)	Customers-Comm Total	
	\$ -	\$ 4,699.38	\$ 4,699.38	\$ 4,699.38	\$ -	\$ 445.97	\$ 445.97	\$ 445.97	\$ -	\$ 4,253.41	\$ -	\$ 4,253.41	Customers-Ind Total	
	\$ -	\$ 1,764.33	\$ 1,764.33	\$ 1,764.33	\$ -	\$ 134.97	\$ 134.97	\$ 134.97	\$ -	\$ 1,629.36	\$ -	\$ 1,629.36	Customers-Res Total	
	\$ -	\$ 45,664.06	\$ 45,664.06	\$ 45,664.06	\$ -	\$ 4,954.55	\$ 4,954.55	\$ 4,954.55	\$ -	\$ 40,709.51	\$ -	\$ 40,709.51	Direct-OR Total	
904 Uncollectible Accounts Total	\$ (3,343.68)	\$ -	\$ (3,343.68)	\$ (3,343.68)	\$ -	\$ -	\$ -	\$ -	\$ (3,343.68)	\$ -	\$ -	\$ (3,343.68)	Customers-Res Total	
	\$ (3,343.68)	\$ 45,933.77	\$ 42,590.09	\$ 48,712.12	\$ -	\$ 4,872.12	\$ 4,872.12	\$ 4,872.12	\$ (3,343.68)	\$ -	\$ -	\$ (3,343.68)	3-factor Total	
907 Supervision Total	\$ -	\$ 355.78	\$ 355.78	\$ 355.78	\$ -	\$ 38.60	\$ 38.60	\$ 38.60	\$ -	\$ 317.18	\$ -	\$ 317.18	Customers-Res Total	
	\$ -	\$ 86.84	\$ 86.84	\$ 86.84	\$ -	\$ 8.68	\$ 8.68	\$ 8.68	\$ -	\$ 78.16	\$ -	\$ 78.16	3-factor Total	
	\$ -	\$ 71,403.76	\$ 71,403.76	\$ 71,403.76	\$ -	\$ 7,647.34	\$ 7,647.34	\$ 7,647.34	\$ -	\$ 63,756.42	\$ -	\$ 63,756.42	Customers-All Total	
	\$ -	\$ 80,524.04	\$ 80,524.04	\$ 80,524.04	\$ -	\$ 6,160.09	\$ 6,160.09	\$ 6,160.09	\$ -	\$ 74,363.95	\$ -	\$ 74,363.95	Customers-Ind Total	
	\$ -	\$ 4,036.81	\$ 4,036.81	\$ 4,036.81	\$ -	\$ 437.99	\$ 437.99	\$ 437.99	\$ -	\$ 3,598.82	\$ -	\$ 3,598.82	Customers-Res Total	
	\$ (101,833.22)	\$ -	\$ (101,833.22)	\$ (101,833.22)	\$ -	\$ -	\$ -	\$ -	\$ (101,833.22)	\$ -	\$ -	\$ (101,833.22)	Direct-WA Total	
908 Customer Assistance Expense Total	\$ (101,833.22)	\$ 156,051.45	\$ 54,218.23	\$ 14,254.11	\$ -	\$ 14,254.11	\$ 14,254.11	\$ 14,254.11	\$ (101,833.22)	\$ -	\$ -	\$ 39,964.12	Customers-All Total	
	\$ -	\$ 153,281.33	\$ 153,281.33	\$ 16,416.43	\$ -	\$ 16,416.43	\$ 16,416.43	\$ 16,416.43	\$ -	\$ 136,864.90	\$ -	\$ 136,864.90	Customers-Res Total	
909 Customer Information Expense Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total	
	\$ -	\$ 90,878.55	\$ 90,878.55	\$ 9,860.32	\$ -	\$ 9,860.32	\$ 9,860.32	\$ 9,860.32	\$ -	\$ 81,018.23	\$ -	\$ 81,018.23	Customers-Res Total	
	\$ -	\$ 90,878.55	\$ 90,878.55	\$ 9,860.32	\$ -	\$ 9,860.32	\$ 9,860.32	\$ 9,860.32	\$ -	\$ 81,018.23	\$ -	\$ 81,018.23	Customers-All Total	
910 Miscellaneous Customer Service Expense Total	\$ -	\$ 13,687.99	\$ 13,687.99	\$ 1,465.98	\$ -	\$ 1,465.98	\$ 1,465.98	\$ 1,465.98	\$ -	\$ 12,222.01	\$ -	\$ 12,222.01	Customers-All Total	
	\$ -	\$ 13,687.99	\$ 13,687.99	\$ 1,465.98	\$ -	\$ 1,465.98	\$ 1,465.98	\$ 1,465.98	\$ -	\$ 12,222.01	\$ -	\$ 12,222.01	Customers-Res Total	
911 Supervision Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total	
	\$ -	\$ 293,625.41	\$ 293,625.41	\$ 31,447.28	\$ -	\$ 31,447.28	\$ 31,447.28	\$ 31,447.28	\$ -	\$ 262,178.13	\$ -	\$ 262,178.13	Customers-All Total	
	\$ -	\$ 1,416.22	\$ 1,416.22	\$ 153.66	\$ -	\$ 153.66	\$ 153.66	\$ 153.66	\$ -	\$ 1,262.56	\$ -	\$ 1,262.56	Customers-Res Total	
	\$ 37.58	\$ -	\$ 37.58	\$ 37.58	\$ -	\$ -	\$ -	\$ -	\$ 37.58	\$ -	\$ -	\$ 37.58	Direct-OR Total	
912 Demonstration and Selling Expense Total	\$ 37.58	\$ 295,041.63	\$ 295,079.21	\$ 31,600.94	\$ -	\$ 31,600.94	\$ 31,600.94	\$ 31,600.94	\$ 37.58	\$ 263,440.69	\$ -	\$ 263,478.27	Customers-All Total	
	\$ -	\$ 43,202.59	\$ 43,202.59	\$ 4,627.00	\$ -	\$ 4,627.00	\$ 4,627.00	\$ 4,627.00	\$ -	\$ 38,575.59	\$ -	\$ 38,575.59	Customers-Res Total	
913 Advertising Total	\$ -	\$ 3,669,720.07	\$ 3,669,720.07	\$ 366,972.01	\$ -	\$ 366,972.01	\$ 366,972.01	\$ 366,972.01	\$ -	\$ 3,302,748.06	\$ -	\$ 3,302,748.06	3-factor Total	
	\$ -	\$ 46,698.04	\$ 46,698.04	\$ 5,001.36	\$ -	\$ 5,001.36	\$ 5,001.36	\$ 5,001.36	\$ -	\$ 41,696.68	\$ -	\$ 41,696.68	Customers-All Total	
	\$ -	\$ 12,267.53	\$ 12,267.53	\$ 1,331.03	\$ -	\$ 1,331.03	\$ 1,331.03	\$ 1,331.03	\$ -	\$ 10,936.50	\$ -	\$ 10,936.50	Customers-Ind Total	
	\$ 164,932.83	\$ -	\$ 164,932.83	\$ 164,932.83	\$ -	\$ -	\$ -	\$ -	\$ 164,932.83	\$ -	\$ -	\$ 164,932.83	Customers-Res Total	
	\$ -	\$ 263,350.28	\$ 263,350.28	\$ 25,149.95	\$ -	\$ 25,149.95	\$ 25,149.95	\$ 25,149.95	\$ -	\$ 238,200.33	\$ -	\$ 238,200.33	Employee Cost Total	
	\$ -	\$ 181,584.77	\$ 181,584.77	\$ 54,475.43	\$ -	\$ 54,475.43	\$ 54,475.43	\$ 54,475.43	\$ -	\$ 127,109.34	\$ -	\$ 127,109.34	Firm Volumes Total	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Regulatory Total	
	\$ -	\$ 241.66	\$ 241.66	\$ 19.24	\$ -	\$ 19.24	\$ 19.24	\$ 19.24	\$ -	\$ 222.42	\$ -	\$ 222.42	Sales/Shutdown Volumes Total	
921 Office Supplies and Expense Total	\$ 164,932.83	\$ 4,173,862.35	\$ 4,338,795.18	\$ 452,949.01	\$ -	\$ 452,949.01	\$ 452,949.01	\$ 452,949.01	\$ 164,932.83	\$ 3,720,913.34	\$ -	\$ 3,885,846.17	Sendout Volumes Total	
	\$ -	\$ (1,105,652.12)	\$ (1,105,652.12)	\$ (116,425.17)	\$ -	\$ (116,425.17)	\$ (116,425.17)	\$ (116,425.17)	\$ -	\$ (889,226.95)	\$ -	\$ (889,226.95)	Admin Tran Total	
	\$ -	\$ (496,181.22)	\$ (496,181.22)	\$ (47,385.31)	\$ -	\$ (47,385.31)	\$ (47,385.31)	\$ (47,385.31)	\$ -	\$ (448,795.91)	\$ -	\$ (448,795.91)	Employee Cost Total	
922 Administrative Expenses Transferred - Credit Total	\$ -	\$ (1,601,833.34)	\$ (1,601,833.34)	\$ (163,810.47)	\$ -	\$ (163,810.47)	\$ (163,810.47)	\$ (163,810.47)	\$ -	\$ (1,438,022.87)	\$ -	\$ (1,438,022.87)	3-factor Total	
	\$ -	\$ 264,309.75	\$ 264,309.75	\$ 26,430.98	\$ -	\$ 26,430.98	\$ 26,430.98	\$ 26,430.98	\$ -	\$ 237,878.78	\$ -	\$ 237,878.78	Customers-Res Total	
924 Property Insurance Premium Total	\$ -	\$ 2,355.94	\$ 2,355.94	\$ 235.59	\$ -	\$ 235.59	\$ 235.59	\$ 235.59	\$ -	\$ 2,120.35	\$ -	\$ 2,120.35	3-factor Total	
	\$ 772.59	\$ -	\$ 772.59	\$ 772.59	\$ -	\$ -	\$ -	\$ -	\$ 772.59	\$ -	\$ -	\$ 772.59	direct-OR Total	
925 Injuries and Damages Total	\$ 754.00	\$ 38,470.99	\$ 39,224.99	\$ 3,673.98	\$ -	\$ 3,673.98	\$ 3,673.98	\$ 3,673.98	\$ 754.00	\$ 34,797.01	\$ -	\$ 35,551.01	Direct-OR Total	
	\$ 754.00	\$ 38,470.99	\$ 39,224.99	\$ 3,673.98	\$ -	\$ 3,673.98	\$ 3,673.98	\$ 3,673.98	\$ 754.00	\$ 34,797.01	\$ -	\$ 35,551.01	Employee Cost Total	
926 Employee Pensions and Benefits Total	\$ -	\$ 96,374.24	\$ 96,374.24	\$ 9,637.42	\$ -	\$ 9,637.42	\$ 9,637.42	\$ 9,637.42	\$ -	\$ 86,736.82	\$ -	\$ 86,736.82	3-factor Total	
	\$ -	\$ 96,374.24	\$ 96,374.24	\$ 9,637.42	\$ -	\$ 9,637.42	\$ 9,637.42	\$ 9,637.42	\$ -	\$ 86,736.82	\$ -	\$ 86,736.82	Customers-Res Total	
930 Miscellaneous General Expense Total	\$ -	\$ 383,459.46	\$ 383,459.46	\$ 38,345.95	\$ -	\$ 38,345.95	\$ 38,345.95	\$ 38,345.95	\$ -	\$ 345,113.51	\$ -	\$ 345,113.51	3-factor Total	
	\$ -	\$ 2,330.00	\$ 2,330.00	\$ 249.54	\$ -	\$ 249.54	\$ 249.54	\$ 249.54	\$ -	\$ 2,080.46	\$ -	\$ 2,080.46	Customers-All Total	
	\$ 3,989.18	\$ -	\$ 3,989.18	\$ 3,989.18	\$ -	\$ -	\$ -	\$ -	\$ 3,989.18	\$ -	\$ -	\$ 3,989.18	Direct-OR Total	
931 Rents Total	\$ 3,989.18	\$ 385,789.46	\$ 389,778.64	\$ 38,595.49	\$ -	\$ 38,595.49	\$ 38,595.49	\$ 38,595.49	\$ 3,989.18	\$ 347,193.97	\$ -	\$ 351,183.15	3-factor Total	
	\$ -	\$ 303,359.67	\$ 303,359.67	\$ 30,335.97	\$ -	\$ 30,335.97	\$ 30,335.97	\$ 30,335.97	\$ -	\$ 273,023.70	\$ -	\$ 273,023.70	Customers party/van Total	
	\$ -	\$ 2,747.12	\$ 2,747.12	\$ 403.00	\$ -	\$ 403.00	\$ 403.00	\$ 403.00	\$ -	\$ 2,344.12	\$ -	\$ 2,344.12	Customers-All Total	
	\$ -	\$ 14,962.22	\$ 14,962.22	\$ 1,877.86	\$ -	\$ 1,877.86	\$ 1,877.86	\$ 1,877.86	\$ -	\$ 13,084.36	\$ -	\$ 13,084.36	Customers-Res Total	

FERC Description	System			Washington			Oregon			Allocation Method
	Direct May	Allocated May	Total May	Direct May	Allocated May	Total May	Direct May	Allocated May	Total May	
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	Customers-The Dailies Total
\$	80,536.90	-	80,536.90	-	-	11,448.55	80,536.90	-	80,536.90	Direct-OR Total
\$	-	-	-	-	-	-	-	-	-	Direct-WA Total
\$	-	356.42	356.42	-	-	33.54	-	-	322.88	Employee Cost Total
\$	-	2,612.61	2,612.61	-	-	247.60	-	-	2,365.01	Firm Volumes Total
\$	-	102.88	102.88	-	-	11.02	-	-	91.86	sales volumes Total
\$	80,536.90	324,140.92	404,677.82	-	-	44,357.54	80,536.90	279,793.38	360,330.28	
\$	1,690,354.06	10,045,298.05	11,735,652.11	101,105.37	1,066,123.89	1,167,229.26	1,589,248.69	8,979,174.16	10,568,422.85	
935 Maintenance of General Plant Total										
Grand Total										

June 2016 Activity

NW Natural
Washington Results of Operations
 Monthly Summary

Total Operating Revenue
 Total Rate Base
 Rate Of Return on Rate Base

	System			Washington			Oregon		
	Direct	Allocated	Total	Direct	Allocated	Total	Direct	Allocated	Total
			1,740,409			(109,416)			1,849,825
		1,086,285,107				119,849,188			966,435,919
		0.16%				-0.09%			0.19%

June 2016

NW Natural
 Washington Quarterly Results of Operations Report

Monthly Summary Acct Description	System Direct	System Allocated	System Total	Washington		Oregon		June 2016	
				Direct	Allocated	Direct	Allocated	Washington Total	Oregon Total
Misc. Ref.									
480.1 Residential Sales of Gas	3,510,412	(4,394,164)	3,510,412	187,171	(403,750)	3,323,241	(3,990,415)	187,171	3,323,241
481.1 Commercial	2,685,091		2,685,091	143,714		2,541,377		143,714	2,541,377
481.2 Industrial Firm	251,908		251,908	49,159		202,749		49,159	202,749
481.3 Interruptible	(771,025)		(771,025)	(9,816)		(761,208)		(9,816)	(761,208)
481.5 Interruptible Incentive	0		0	0		0		0	0
495.20 Unbilled Revenue	0		0	0		0		0	0
495.20 Total Sales of Gas	5,676,387	(4,394,164)	1,282,223	370,228	(403,750)	5,306,159	(3,990,415)	(33,521)	1,315,744
A									
Transportation Revenue									
489.12 Industrial Firm	858,213		858,213	95,918		762,295		95,918	762,295
489.13 Interruptible	650,017		650,017	74,233		575,784		74,233	575,784
489.15 Interruptible Incentive	0		0	0		0		0	0
489.5 Agency Fee/Balancing	1,314		1,314	0		1,314		0	1,314
495.6 Total Transportation Revenue	1,509,544	0	1,509,544	170,151	0	1,339,393	0	170,151	1,339,393
B									
Rate Adjustments - Amortizations									
495.6 Rate Adjustments - Amortizations	6,163,939		6,163,939	(70,668)		6,234,606		(70,668)	6,234,606
Miscellaneous Revenues									
487 Late Payment Charge	147,861		147,861	4,823		143,038		4,823	143,038
488.0 Seasonal Reconnect Fee	800		800	0		800		0	800
488.0 Delinquent Reconnect Fee	24,300		24,300	0		24,300		0	24,300
488.1 Return Charge	9,030		9,030	795		8,235		795	8,235
488.3 Field Collection Charge	21,850		21,850	1,200		20,650		1,200	20,650
488.4 Reason Charge CR After Office Hours	34,620		34,620	2,380		32,240		2,380	32,240
488.5 Reason Charge CR After Office Hours	2,560		2,560	2,300		260		2,300	260
488.6 Reason Charge Seas Diving Office Hours	150		150	50		100		50	100
488.7 Reason Charge Seas After Office Hours	150		150	150		0		150	0
488.8 Automated Payment Charge	4,383		4,383	513		3,870		513	3,870
493.2 Rent - Utility Property	17,099	29,943	47,042	1,680	2,238	15,419	27,705	2,238	27,705
495.1 Meter Rentals	1,434		1,434	1,680		15,419		1,680	15,419
495.2 Other Gas Revenue - Miscellaneous	1,434		1,434	429		3,005		429	3,005
495.2 Total Miscellaneous Revenues	264,736	29,943	294,679	14,320	2,238	250,416	27,705	16,558	278,121
804.7 Total Operating Revenue	13,614,606	(4,364,221)	9,250,385	484,032	(401,512)	13,130,574	(3,962,710)	82,521	9,167,864
Cost of Gas									
804.7 WACOG Incurred	6,656,983		6,656,983	552,822		6,104,161		552,822	6,104,161
805.7 WACOG Deferred	774,503		774,503	205,023		569,480		205,023	569,480
804.6 Demand Incurred	6,044,040		6,044,040	622,536		5,421,504		622,536	5,421,504
805.8 Demand Deferred	(3,457,168)		(3,457,168)	(343,147)		(3,114,021)		(343,147)	(3,114,021)
805.4 Amortization of Gas Costs	(19,057,429)		(19,057,429)	(2,645,288)		(16,412,141)		(2,645,288)	(16,412,141)
805.4 Total Cost of Gas	(9,049,071)	0	(9,049,071)	(1,608,054)	0	(7,441,017)	0	(1,608,054)	(7,441,017)
O&M									
Operations & Maintenance									
408.11 Property	732,829	9,466,783	10,199,613	(16,139)	994,370	748,968	8,472,414	978,231	9,221,382
408.12 Franchise	1,582,257		1,582,257	(19,793)		1,602,050		(19,793)	1,602,050
408.13 Payroll	166,988		166,988	11,700		155,288		11,700	155,288
408.14 Other	42,645	436,187	478,832	41,961	41,961	394,226	394,226	41,961	394,226
408.15 Regulatory	0		0	24,117		18,528		24,117	18,528
408.15 Total Other Taxes	1,791,890	436,187	2,228,077	16,024	41,961	1,775,866	394,226	57,985	2,170,892
403.1 Depreciation	6,347,121		6,347,121	650,961		5,696,160		650,961	5,696,160
Income Taxes									
409.11 Federal Income Taxes	(279,751)		(279,751)	124,941		(154,810)		124,941	(154,810)
410.11 Federal Income Taxes - Deferred	231,540		231,540	0		231,540		0	231,540
411.42 Federal Income Tax Credit	(1,297,013)		(1,297,013)	(12,127)		(1,284,886)		(12,127)	(1,284,886)
409.12 Oregon Income Taxes	(632,801)		(632,801)	0		(632,801)		0	(632,801)
410.12 Oregon Income Taxes - Deferred	38,382		38,382	0		38,382		0	38,382
411.12 Oregon Income Tax Credit	(276,121)		(276,121)	112,814		(163,307)		112,814	(163,307)
411.12 Total Income Taxes	(2,215,764)		(2,215,764)	112,814		(2,102,950)		112,814	(2,102,950)
Total Operating Revenue Deductions	(6,524,352)	16,250,991	9,726,639	(1,608,169)	1,687,292	14,567,999	14,567,999	(4,916,183)	7,318,939
Net Operating Income	1,740,469		1,740,469	(109,416)		1,631,053		(109,416)	1,521,637

**NW Natural
 Washington Results of Operations
 Monthly Summary**

	System		Washington		Washington		June 2016	
	Direct	Allocated	Direct	Allocated	Direct	Allocated	Direct	Total
Rate Base								
101 Gross Plant		2,768,754,313		282,605,617		282,605,617		2,486,159,201
108.1X Accumulated Depreciation		(1,242,972,427)		(119,683,936)		(119,683,936)		(1,123,288,491)
ADJ Working Capital Allowance		(14,937,773)		(2,626,776)		(2,626,776)		(12,310,997)
117.X Storage Gas - Cushion		14,148,083		1,331,335		1,331,335		12,816,748
186.XX Leasehold Improvements		572,600		57,260		57,260		515,340
252.XX Customer Contributions		(3,459,492)		(456,829)		(456,829)		(3,002,664)
283.XX Deferred Taxes - Federal		(361,367,490)		(41,377,483)		(41,377,483)		(319,990,007)
283.XX Deferred Taxes - State		(74,465,211)		0		0		(74,465,211)
Total Rate Base		1,086,295,137		119,849,188		119,849,188		966,435,919
Rate Of Return on Rate Base		0.16%		-0.09%		-0.09%		0.19%
Allocation References:								
A Unbilled Revenue		100.00%		9.19%		9.19%		90.81%
B Follows Plant Split		100.00%		10.68%		10.68%		89.32%
C See O&M Detail		100.00%		9.62%		9.62%		90.38%
D Depreciation Factor		100.00%		10.26%		10.26%		89.74%

NW Natural
Washington Results of Operations
 12 Month Ended Reports

Summary

Total Operating Revenue
 Total Rate Base
 Rate Of Return on Rate Base

	System			Washington			June 2016		
	System Direct	System Allocated	System Total	Washington Direct	Washington Allocated	Washington Total	Oregon Direct	Oregon Allocated	Oregon Total
			105,526,090			6,831,993			96,694,097
			1,130,985,487			123,397,204			1,007,588,183
			9.33%			5.54%			9.60%

NW Natural
 Washington Results of Operations
 12 Month Ended Reports

Acct	Description	Alloc. Ref.	System		Washington		Washington		June 2016	
			Direct	Allocated	Direct	Allocated	Washington Total	Oregon Direct	Oregon Allocated	Oregon Total
480.1	Sales of Gas									
481.1	Residential		403,090,152	0	41,023,876	0	0	41,023,876	362,066,275	0
481.2	Commercial		201,877,777	0	16,445,647	0	0	16,445,647	185,432,130	0
481.3	Industrial Firm		21,980,223	0	1,964,403	0	0	1,964,403	20,015,821	0
481.5	Interruptible		22,484,717	0	570,409	0	0	570,409	21,914,308	0
481.5	Interruptible Incentive		0	0	0	0	0	0	0	0
495.20	Unbilled Revenue		1,392,927	0	134,548	0	0	134,548	1,258,379	0
	Total Sales of Gas	A	649,432,869	1,392,927	60,004,335	0	0	60,138,883	589,428,534	1,258,379
489.12	Transportation Revenue									
489.13	Industrial Firm		10,849,528	0	1,245,114	0	0	1,245,114	9,604,414	0
489.15	Interruptible Incentive		7,901,075	0	898,353	0	0	898,353	7,002,722	0
489.5	Agency Fee/Balancing		44,944	0	0	0	0	0	0	0
	Total Transportation Revenue		18,795,547	0	2,143,467	0	0	2,143,467	16,652,080	0
495.6	Rate Adjustments - Amortizations		(956,901)	0	(1,601,349)	0	0	(1,601,349)	644,448	0
	Miscellaneous Revenues									
487	Late Pmt/ Rent Charge		2,047,210	0	86,927	0	0	86,927	1,960,283	0
488.0	Separat Recor/ Direct Fee		17,200	0	0	0	0	0	17,200	0
488.1	Delinquent Recor/ Direct Fee		286,250	0	1,150	0	0	1,150	285,100	0
488.2	Returned Check Charge		105,000	0	10,515	0	0	10,515	94,485	0
488.3	Recon Charge CR During Office Hours		268,720	0	13,990	0	0	13,990	255,730	0
488.4	Field Collection Charge		377,695	0	32,135	0	0	32,135	345,560	0
488.5	Recon Charge CR After Office Hours		36,110	0	33,490	0	0	1,620	2,660	0
488.6	Recon Charge Seas During Office Hours		16,785	0	1,155	0	0	1,155	15,630	0
488.7	Recon Charge Seas After Office Hours		5,210	0	2,050	0	0	2,050	160	0
488.8	Automated Payment Charge		51,420	0	6,480	0	0	6,480	44,940	0
493.2	Rent - Utility Property		207,168	0	19,198	0	0	19,198	187,972	0
495.1	Meter Rentals		131,935	0	21,796	0	0	21,796	110,140	0
495.2	Other Gas Revenue - Miscellaneous		3,547,704	330,435	228,444	24,272	0	252,716	3,315,260	306,164
	Total Miscellaneous Revenues		670,819,219	1,723,362	60,774,897	158,820	0	60,933,717	610,044,322	1,564,542
	Total Operating Revenue		1,723,362	672,942,581	60,774,897	158,820	0	60,933,717	611,608,864	3,625,924
	Cost of Gas									
804.7	WACOG Incurred		189,311,385	0	17,151,307	0	0	17,151,307	172,160,078	0
805.7	WACOG Deferred		26,324,842	0	3,946,968	0	0	3,946,968	22,377,875	0
804.6	Demand Incurred		80,897,561	0	8,353,632	0	0	8,353,632	72,543,929	0
805.8	Demand Deferred		(8,003,931)	0	(967,858)	0	0	(967,858)	(7,036,073)	0
805.4	Amortization of Gas Costs		(19,823,652)	0	(4,370,902)	0	0	(4,370,902)	(15,452,760)	0
	Total Cost of Gas		268,706,196	0	24,113,147	0	0	24,113,147	244,593,049	0
	Operations & Maintenance									
408.11	Property		11,739,035	123,956,382	660,147	12,745,949	0	13,406,096	11,078,888	111,210,433
408.12	Franchise		20,325,846	0	1,384,037	0	0	1,384,037	18,941,809	0
408.13	Payroll		17,290,325	0	2,470,353	0	0	2,470,353	14,819,972	0
408.14	Other		5,472,547	5,472,547	552,486	0	0	552,486	4,920,061	0
408.15	Regulatory		1,767,110	0	87,123	0	0	87,123	488,761	0
	Total Other Taxes		39,959,166	5,472,547	4,209,018	552,486	0	4,761,503	35,750,148	4,920,061
403.1	Depreciation		0	75,054,399	0	7,809,579	0	7,809,579	0	67,244,820
	Income Taxes									
409.11	Federal Income Taxes - Deferred		7,759,618	0	4,090,407	0	0	4,090,407	3,669,211	0
411.42	Federal Income Tax Credit		(13,466,270)	0	(79,009)	0	0	(79,009)	(13,387,261)	0
409.12	Oregon Income Taxes		162,799	0	0	0	0	0	162,799	0
410.12	Oregon Income Taxes - Deferred		10,388,997	0	0	0	0	0	10,388,997	0
411.12	Oregon Income Tax Credit		(3,183,262)	0	0	0	0	0	(3,183,262)	0
	Total Income Taxes		42,128,765	0	4,011,398	0	0	4,011,398	38,117,367	0
	Total Operating Revenue Deductions		320,404,398	204,483,328	28,982,312	21,108,014	0	54,101,724	291,422,086	183,375,314
	Net Operating Income		105,526,090	668,459,253	6,831,993	0	0	6,831,993	99,694,097	0

**NW Natural
 Washington Results of Operations
 12 Month Ended Reports**

	System		Washington		Washington		June 2016	
	Direct	Allocated	Direct	Allocated	Direct	Allocated	Direct	Total
Rate Base								
101 Gross Plant		2,725,153,673		276,388,205		276,388,205		2,448,765,468
108.IX Accumulated Depreciation		(1,221,228,745)		(117,307,257)		(117,307,257)		(1,103,921,487)
Adj Working Capital Allowance		32,635,228		2,582,384		2,582,384		30,052,844
117.X Storage Gas - Cushion		14,164,402		1,331,454		1,331,454		12,832,949
186.XX Leasehold Improvements		699,120		80,602		80,602		618,518
252.XX Customer Contributions		(3,438,107)		(449,492)		(449,492)		(2,988,615)
283.XX Deferred Taxes - Federal		(345,973,558)		(39,228,593)		(39,228,593)		(306,744,966)
285.XX Deferred Taxes - State		(71,026,527)		0		0		(71,026,527)
Total Rate Base		1,130,985,467		123,397,304		123,397,304		1,007,588,183
Rate Of Return on Rate Base		9.33%		5.94%		5.94%		9.80%
Allocation References:								
A Unbilled Revenue		100.00%		9.66%		9.66%		90.34%
B Direct		100.00%		7.35%		7.35%		92.65%
GMH See O&M Detail		100.00%		10.10%		10.10%		89.90%
C Payroll Factor		100.00%		10.41%		10.41%		89.59%
D Depreciation Factor		100.00%						

NW Natural
Washington Quarterly Results of Operations Report
Operations and Maintenance Expense: Allocation of System Amounts
 For the period ended June 30, 2016

		Month		
		<u>System</u>	<u>Washington</u>	<u>Oregon</u>
Natural Gas Storage				
Underground Storage Expense				
Operation				
816	Wells Expense	\$35,996	\$3,387	\$32,608
818	Compressor Station Expense	3,512	330	3,181
819	Compressor Station Fuel	0	0	0
820	Measuring and Regulator Station Expense	162,457	15,100	147,358
821	Purification Expense	700	66	634
Maintenance				
832	Wells Expense	13,136	1,236	11,900
Total Underground Storage Expense		<u>215,801</u>	<u>20,119</u>	<u>195,682</u>
Other Storage Expense				
Operation				
840	Supervision and Engineering	11,952	1,177	10,776
Total Other Storage Expense		<u>11,952</u>	<u>1,177</u>	<u>10,776</u>
Liquified Natural Gas Expense				
Operation				
844	Supervision and Engineering	100,868	9,492	91,376
845	LNG Fuel	-	-	-
Maintenance				
847	Supervision and Engineering	74,584	7,018	67,565
Total Liquified Natural Gas Expense		<u>175,452</u>	<u>16,510</u>	<u>158,942</u>
Total Natural Gas Storage		<u>403,206</u>	<u>37,806</u>	<u>365,400</u>
Transmission Expense				
Operation				
856	Mains Expense	129,606	8,329	121,277
Maintenance				
863	Maintenance of Mains	26,136	2,036	24,100
Total Transmission Expense		<u>155,741</u>	<u>10,365</u>	<u>145,377</u>
Distribution Expense				
Operation				
870	Supervision and Engineering	230,347	20,113	210,233
874	Mains and Services Expense	981,784	66,126	915,658
875	Measuring and Regulator Station Expense - General	(4,198)	(121)	(4,077)
877	Measuring and Regulator Station Expense - City Gate	41,458	3,574	37,884
878	Meter and House Regulator Expense	438,450	46,673	391,777
879	Customer Installation Expense	805,047	85,920	719,127
880	Other Expense	(102,423)	(9,884)	(92,539)
881	Rents	21,578	2,524	19,054
Maintenance				
885	Supervision and Engineering	572,427	29,351	543,076
887	Mains	318,886	21,214	297,672
889	Measuring and Regulator Station Expense - General	115,380	10,058	105,322
891	Measuring and Regulator Station Expense - City Gate	28,667	2,204	26,463
892	Services	34,290	594	33,695
893	Meters and House Regulators	185,003	18,320	166,684
894	Other Equipment	2,155	157	1,998
Total Distribution Expense		<u>3,668,851</u>	<u>296,824</u>	<u>3,372,027</u>

	<u>System</u>	<u>Washington</u>	<u>Oregon</u>
Customer Accounts Expense			
Operation			
901	Supervision	124,150	13,296
902	Meter Reading Expenses	66,224	7,093
903	Customer Records and Collection Expense	1,381,817	147,376
904	Uncollectible Accounts	<u>(181,803)</u>	<u>(19,460)</u>
	Total Customer Accounts Expense	1,390,389	1,242,084
Customer Service and Informational			
Operation			
907	Supervision	236	26
908	Customer Assistance Expense	150,640	13,740
909	Customer Information Expense	196,054	20,997
910	Miscellaneous Customer Service Expense	<u>55,110</u>	<u>5,979</u>
	Total Customer Service and Informational	402,040	40,742
Sales Expense			
Operation			
911	Supervision	16,399	1,756
912	Demonstration and Selling Expense	292,834	31,354
913	Advertising	92,969	9,957
916	Miscellaneous Sales Expense	<u>-</u>	<u>-</u>
	Total Sales Expense	402,201	43,067
Administrative and General Expense			
Operation			
921	Office Supplies and Expense	3,730,066	400,409
922	Administrative Expenses Transferred - Credit	(1,481,112)	(151,686)
924	Property Insurance Premium	252,423	25,242
925	Injuries and Damages	163,814	16,338
926	Employee Pensions and Benefits	218,381	20,783
928	Regulatory Commission Expense	-	-
930	Miscellaneous General Expense	81,926	8,193
931	Rents	389,779	38,595
Maintenance			
935	Maintenance of General Plant	<u>421,907</u>	<u>43,247</u>
	Total Administrative and General Expense	3,777,184	401,121
	Total Operations and Maintenance Expense	<u>\$10,199,612.51</u>	<u>\$978,230.52</u>
		<u>\$9,221,381.99</u>	

NW Natural
 Rates & Regulatory Affairs
 Operations and Maintenance Expense
 State Allocation of System Amounts
 For the period ended June 30, 2016

FERC Description	System Allocated			Washington			Oregon			Allocation Method
	Direct Jun	Total Jun	Total Jun	Direct Jun	Allocated Jun	Total Jun	Direct Jun	Allocated Jun	Total Jun	
816 Wells Expense Total	\$ -	\$ 35,995.60	\$ 35,995.60	\$ -	\$ -	\$ 3,387.19	\$ -	\$ -	\$ 32,608.41	Firm Volumes Total
	\$ -	\$ 35,995.60	\$ 35,995.60	\$ -	\$ -	\$ 3,387.19	\$ -	\$ -	\$ 32,608.41	\$ 32,608.41
818 Compressor Station Expense Total	\$ -	\$ 3,511.63	\$ 3,511.63	\$ -	\$ -	\$ 330.44	\$ -	\$ -	\$ 3,181.19	Firm Volumes Total
	\$ -	\$ 3,511.63	\$ 3,511.63	\$ -	\$ -	\$ 330.44	\$ -	\$ -	\$ 3,181.19	\$ 3,181.19
819 Compressor Station Fuel Total	\$ -	\$ 0.01	\$ 0.01	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.01	Firm Volumes Total
	\$ -	\$ 0.01	\$ 0.01	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.01	\$ 0.01
820 Measuring and Regulator Station Expense Total	\$ 1,993.86	\$ -	\$ 1,993.86	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ 1,993.86	\$ -	\$ 1,993.86	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total
	\$ -	\$ 160,463.53	\$ 160,463.53	\$ -	\$ -	\$ 15,099.62	\$ -	\$ -	\$ 145,363.91	Firm Volumes Total
	\$ 1,993.86	\$ 160,463.53	\$ 162,457.39	\$ -	\$ -	\$ 15,099.62	\$ -	\$ -	\$ 147,357.77	Firm Volumes Total
821 Purification Expense Total	\$ -	\$ 700.10	\$ 700.10	\$ -	\$ -	\$ 65.88	\$ -	\$ -	\$ 634.22	Firm Volumes Total
	\$ -	\$ 700.10	\$ 700.10	\$ -	\$ -	\$ 65.88	\$ -	\$ -	\$ 634.22	\$ 634.22
822 Wells Expense Total	\$ -	\$ 13,136.49	\$ 13,136.49	\$ -	\$ -	\$ 1,236.14	\$ -	\$ -	\$ 11,900.35	Firm Volumes Total
	\$ -	\$ 13,136.49	\$ 13,136.49	\$ -	\$ -	\$ 1,236.14	\$ -	\$ -	\$ 11,900.35	\$ 11,900.35
823 Wells Expense Total	\$ -	\$ 9,987.79	\$ 9,987.79	\$ -	\$ -	\$ 427.09	\$ -	\$ -	\$ 3,560.70	Customers-All Total
	\$ -	\$ 9,987.79	\$ 9,987.79	\$ -	\$ -	\$ 427.09	\$ -	\$ -	\$ 3,560.70	Direct-OR Total
	\$ -	\$ 7,964.66	\$ 7,964.66	\$ -	\$ -	\$ 749.47	\$ -	\$ -	\$ 7,215.19	Firm Volumes Total
840 Supervision and Engineering Total	\$ -	\$ 11,952.45	\$ 11,952.45	\$ -	\$ -	\$ 1,176.57	\$ -	\$ -	\$ 10,775.88	Firm Volumes Total
	\$ -	\$ 100,868.19	\$ 100,868.19	\$ -	\$ -	\$ 9,491.70	\$ -	\$ -	\$ 91,376.49	Firm Volumes Total
844 Supervision and Engineering Total	\$ -	\$ 100,868.19	\$ 100,868.19	\$ -	\$ -	\$ 9,491.70	\$ -	\$ -	\$ 91,376.49	Firm Volumes Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ -	\$ 74,583.74	\$ 74,583.74	\$ -	\$ -	\$ 7,018.33	\$ -	\$ -	\$ 67,565.41	Firm Volumes Total
847 Supervision and Engineering Total	\$ -	\$ 74,583.74	\$ 74,583.74	\$ -	\$ -	\$ 7,018.33	\$ -	\$ -	\$ 67,565.41	Firm Volumes Total
	\$ -	\$ 76,813.99	\$ 76,813.99	\$ -	\$ -	\$ 7,681.40	\$ -	\$ -	\$ 69,132.59	3-factor Total
	\$ -	\$ 1,816.74	\$ 1,816.74	\$ -	\$ -	\$ 194.57	\$ -	\$ -	\$ 1,622.17	Customers-All Total
	\$ 50,521.77	\$ -	\$ 50,521.77	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total
	\$ 453.00	\$ -	\$ 453.00	\$ 453.00	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-WA Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	sendout volumes Total
856 Mains Expense Total	\$ 50,974.77	\$ 78,630.73	\$ 129,605.50	\$ 453.00	\$ 7,875.97	\$ 8,328.97	\$ 50,521.77	\$ 70,754.76	\$ 121,276.53	3-factor Total
	\$ -	\$ 147.96	\$ 147.96	\$ -	\$ 14.80	\$ 14.80	\$ -	\$ 133.16	\$ 133.16	Direct-OR Total
	\$ 597.72	\$ -	\$ 597.72	\$ -	\$ -	\$ -	\$ 597.72	\$ -	\$ 597.72	Sendout Volumes Total
	\$ -	\$ 25,390.22	\$ 25,390.22	\$ -	\$ 2,021.06	\$ 2,021.06	\$ -	\$ 23,369.16	\$ 23,369.16	Sendout Volumes Total
863 Maintenance of Mains Total	\$ 597.72	\$ 25,390.22	\$ 26,135.90	\$ -	\$ 2,035.86	\$ 2,035.86	\$ 597.72	\$ 23,502.32	\$ 24,100.04	Firm Volumes Total
	\$ -	\$ 122,483.99	\$ 122,483.99	\$ -	\$ 11,525.74	\$ 11,525.74	\$ -	\$ 110,958.25	\$ 110,958.25	Sales/Sendout Volumes Total
	\$ -	\$ 215.01	\$ 215.01	\$ -	\$ 18.73	\$ 18.73	\$ -	\$ 196.28	\$ 196.28	Direct-OR Total
	\$ -	\$ 107,647.51	\$ 107,647.51	\$ -	\$ 8,568.74	\$ 8,568.74	\$ -	\$ 99,078.77	\$ 99,078.77	Direct-WA Total
870 Supervision and Engineering Total	\$ -	\$ 230,346.51	\$ 230,346.51	\$ -	\$ 20,113.21	\$ 20,113.21	\$ -	\$ 210,233.30	\$ 210,233.30	sendout volumes Total
	\$ -	\$ 395,638.77	\$ 395,638.77	\$ -	\$ 39,563.88	\$ 39,563.88	\$ -	\$ 356,074.89	\$ 356,074.89	3-factor Total
	\$ -	\$ 474,821.91	\$ 474,821.91	\$ -	\$ 50,853.43	\$ 50,853.43	\$ -	\$ 423,968.48	\$ 423,968.48	Customers-All Total
	\$ 114,317.07	\$ -	\$ 114,317.07	\$ -	\$ -	\$ -	\$ 114,317.07	\$ -	\$ 114,317.07	Direct-OR Total
	\$ (26,132.84)	\$ -	\$ (26,132.84)	\$ (26,132.84)	\$ -	\$ (26,132.84)	\$ -	\$ -	\$ -	Direct-WA Total
	\$ -	\$ 23,199.51	\$ 23,199.51	\$ -	\$ 1,841.90	\$ 1,841.90	\$ -	\$ 21,297.61	\$ 21,297.61	sendout volumes Total
874 Mains and Services Expense Total	\$ 88,184.23	\$ 893,600.19	\$ 981,784.42	\$ (26,132.84)	\$ 92,259.21	\$ 66,126.37	\$ 114,317.07	\$ 801,940.98	\$ 915,658.05	3-factor Total
	\$ -	\$ 1,394.55	\$ 1,394.55	\$ -	\$ 139.46	\$ 139.46	\$ -	\$ 1,255.10	\$ 1,255.10	Sendout Volumes Total
	\$ -	\$ (12,179.90)	\$ (12,179.90)	\$ -	\$ (969.52)	\$ (969.52)	\$ -	\$ (11,210.38)	\$ (11,210.38)	Telemetering Total
	\$ -	\$ 6,587.72	\$ 6,587.72	\$ -	\$ 709.50	\$ 709.50	\$ -	\$ 5,878.22	\$ 5,878.22	3-factor Total
875 Measuring and Regulator Station Expense - General Total	\$ -	\$ (4,197.63)	\$ (4,197.63)	\$ -	\$ (120.57)	\$ (120.57)	\$ -	\$ (4,077.06)	\$ (4,077.06)	Customers-All Total
	\$ -	\$ 9,889.58	\$ 9,889.58	\$ -	\$ 988.96	\$ 988.96	\$ -	\$ 8,900.62	\$ 8,900.62	Customers-All Total
	\$ -	\$ 2,617.81	\$ 2,617.81	\$ -	\$ 280.37	\$ 280.37	\$ -	\$ 2,337.44	\$ 2,337.44	Direct-OR Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Sendout Volumes Total
877 Measuring and Regulator Station Expense - City Gate Total	\$ -	\$ 28,950.32	\$ 28,950.32	\$ -	\$ 2,304.45	\$ 2,304.45	\$ -	\$ 26,645.87	\$ 26,645.87	Sendout Volumes Total
	\$ -	\$ 41,457.71	\$ 41,457.71	\$ -	\$ 3,573.77	\$ 3,573.77	\$ -	\$ 37,883.94	\$ 37,883.94	

FERC Description	System			Washington			Oregon			Allocation Method
	Direct	Allocated	Total	Direct	Allocated	Total	Direct	Allocated	Total	
	\$ -	\$ (1,303.83)	\$ (1,303.83)	\$ -	\$ (130.38)	\$ (130.38)	\$ -	\$ -	\$ (1,173.45)	3-factor Total
	\$ -	\$ 429,679.92	\$ 429,679.92	\$ -	\$ 46,018.72	\$ 46,018.72	\$ -	\$ -	\$ 383,661.20	Customers-All Total
	\$ -	\$ 5,608.27	\$ 5,608.27	\$ -	\$ 429.03	\$ 429.03	\$ -	\$ -	\$ 5,179.24	Customers-Ind Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Employee Cost Total
	\$ -	\$ 4,465.84	\$ 4,465.84	\$ -	\$ 355.48	\$ 355.48	\$ -	\$ -	\$ 4,110.36	Sendout Volumes Total
878 Meter and House Regulator Expense Total	\$ -	\$ 438,450.20	\$ 438,450.20	\$ -	\$ 46,672.85	\$ 46,672.85	\$ -	\$ -	\$ 391,777.35	
	\$ -	\$ 20,674.71	\$ 20,674.71	\$ -	\$ 2,067.47	\$ 2,067.47	\$ -	\$ -	\$ 18,607.24	3-factor Total
	\$ -	\$ 774,244.76	\$ 774,244.76	\$ -	\$ 82,921.61	\$ 82,921.61	\$ -	\$ -	\$ 691,323.15	Customers-All Total
	\$ 3,611.18	\$ -	\$ 3,611.18	\$ -	\$ -	\$ -	\$ 3,611.18	\$ -	\$ -	Direct-OR Total
	\$ 341.59	\$ -	\$ 341.59	\$ 341.59	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-WA Total
	\$ -	\$ 6,175.11	\$ 6,175.11	\$ -	\$ 589.72	\$ 589.72	\$ -	\$ -	\$ -	Employee Cost Total
879 Customer Installation Expense Total	\$ 3,952.77	\$ 801,094.58	\$ 805,047.35	\$ 341.59	\$ 85,578.81	\$ 85,920.40	\$ 3,611.18	\$ -	\$ 715,515.77	
	\$ -	\$ 12,075.13	\$ 12,075.13	\$ -	\$ 1,207.51	\$ 1,207.51	\$ -	\$ -	\$ 10,867.62	3-factor Total
	\$ -	\$ 5,123.22	\$ 5,123.22	\$ -	\$ 548.70	\$ 548.70	\$ -	\$ -	\$ 4,574.52	Customers-All Total
	\$ (125,192.24)	\$ -	\$ (125,192.24)	\$ -	\$ -	\$ -	\$ (125,192.24)	\$ -	\$ -	Direct-OR Total
	\$ (13,128.26)	\$ -	\$ (13,128.26)	\$ (13,128.26)	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-WA Total
	\$ -	\$ 18,699.24	\$ 18,699.24	\$ -	\$ 1,488.46	\$ 1,488.46	\$ -	\$ -	\$ 17,210.78	Sendout Volumes Total
880 Other Expense Total	\$ (138,320.50)	\$ 35,897.59	\$ (102,422.91)	\$ (13,128.26)	\$ 3,244.67	\$ (9,883.59)	\$ (125,192.24)	\$ -	\$ 32,652.92	
	\$ -	\$ 19,214.67	\$ 19,214.67	\$ -	\$ 1,921.47	\$ 1,921.47	\$ -	\$ -	\$ 17,293.20	3-factor Total
	\$ -	\$ 2,368.46	\$ 2,368.46	\$ -	\$ 602.21	\$ 602.21	\$ -	\$ -	\$ 1,766.25	Customers-The Dalles Total
	\$ -	\$ 21,578.13	\$ 21,578.13	\$ -	\$ 2,523.68	\$ 2,523.68	\$ -	\$ -	\$ 19,054.45	
881 Rents Total	\$ -	\$ 240,890.35	\$ 240,890.35	\$ -	\$ 24,089.04	\$ 24,089.04	\$ -	\$ -	\$ 216,801.32	
	\$ -	\$ 2,129.88	\$ 2,129.88	\$ -	\$ 228.11	\$ 228.11	\$ -	\$ -	\$ 1,901.77	3-factor Total
	\$ 320,235.37	\$ -	\$ 320,235.37	\$ -	\$ -	\$ -	\$ 320,235.37	\$ -	\$ -	Customers-All Total
	\$ 4,738.58	\$ -	\$ 4,738.58	\$ 4,738.58	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total
	\$ -	\$ (3,773.48)	\$ (3,773.48)	\$ -	\$ (360.37)	\$ (360.37)	\$ -	\$ -	\$ (3,413.11)	Direct-WA Total
	\$ -	\$ 138.00	\$ 138.00	\$ -	\$ 13.07	\$ 13.07	\$ -	\$ -	\$ 124.93	Employee Cost Total
	\$ -	\$ 8,068.07	\$ 8,068.07	\$ -	\$ 642.22	\$ 642.22	\$ -	\$ -	\$ 7,425.85	sales volumes Total
	\$ 324,973.95	\$ 247,452.82	\$ 572,426.77	\$ 4,738.58	\$ 24,612.06	\$ 29,350.64	\$ 320,235.37	\$ -	\$ 222,840.76	Sendout Volumes Total
885 Supervision and Engineering Total	\$ -	\$ 19,871.20	\$ 19,871.20	\$ -	\$ 1,987.12	\$ 1,987.12	\$ -	\$ -	\$ 17,884.08	
	\$ -	\$ 100,026.16	\$ 100,026.16	\$ -	\$ 11,743.07	\$ 11,743.07	\$ -	\$ -	\$ 88,283.09	3-factor Total
	\$ -	\$ 2,605.03	\$ 2,605.03	\$ -	\$ 279.00	\$ 279.00	\$ -	\$ -	\$ 2,326.03	Customers Port/Van 80% Total
	\$ 189,178.65	\$ -	\$ 189,178.65	\$ -	\$ -	\$ -	\$ 189,178.65	\$ -	\$ -	Customers-All Total
	\$ 7,204.98	\$ -	\$ 7,204.98	\$ 7,204.98	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-WA Total
887 Mains Total	\$ 196,383.63	\$ 122,502.39	\$ 318,886.02	\$ 7,204.98	\$ 14,009.19	\$ 21,214.17	\$ 189,178.65	\$ -	\$ 108,493.20	sendout volumes Total
	\$ -	\$ 4,314.85	\$ 4,314.85	\$ -	\$ 431.49	\$ 431.49	\$ -	\$ -	\$ 3,883.37	3-factor Total
	\$ 152.56	\$ -	\$ 152.56	\$ -	\$ -	\$ -	\$ 152.56	\$ -	\$ -	Customers-All Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Firm Volumes Total
	\$ -	\$ 82,517.91	\$ 82,517.91	\$ 6,568.43	\$ 6,568.43	\$ 6,568.43	\$ -	\$ -	\$ 75,949.48	Sendout Volumes Total
	\$ -	\$ 28,395.00	\$ 28,395.00	\$ 3,058.14	\$ 3,058.14	\$ 3,058.14	\$ -	\$ -	\$ 25,336.86	Telemetering Total
889 Measuring and Regulator Station Expense - General Total	\$ 152.56	\$ 115,227.76	\$ 115,380.32	\$ -	\$ 10,058.05	\$ 10,058.05	\$ 152.56	\$ -	\$ 105,322.27	
	\$ -	\$ 72.36	\$ 72.36	\$ -	\$ 7.24	\$ 7.24	\$ -	\$ -	\$ 65.12	3-factor Total
	\$ 998.78	\$ -	\$ 998.78	\$ -	\$ -	\$ -	\$ 998.78	\$ -	\$ -	Direct-OR Total
891 Measuring and Regulator Station Expense - City Gate Total	\$ 998.78	\$ 27,595.70	\$ 27,595.70	\$ -	\$ 2,196.62	\$ 2,196.62	\$ -	\$ -	\$ 25,399.08	
	\$ -	\$ 27,668.06	\$ 28,666.84	\$ -	\$ 2,203.85	\$ 2,203.85	\$ 998.78	\$ -	\$ 25,464.21	Sendout Volumes Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ 67,936.76	\$ (50,000.00)	\$ 17,936.76	\$ -	\$ (5,355.00)	\$ (5,355.00)	\$ -	\$ -	\$ (44,645.00)	Customers-All Total
	\$ 5,049.57	\$ -	\$ 5,049.57	\$ 5,049.57	\$ -	\$ -	\$ 67,936.76	\$ -	\$ -	Direct-OR Total
	\$ -	\$ 11,303.20	\$ 11,303.20	\$ -	\$ 899.73	\$ 899.73	\$ -	\$ -	\$ -	Direct-WA Total
892 Services Total	\$ 72,986.33	\$ (38,696.80)	\$ 34,289.53	\$ 5,049.57	\$ (4,455.27)	\$ 594.30	\$ 67,936.76	\$ -	\$ 10,403.47	Sendout Volumes Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ -	\$ 109,053.89	\$ 109,053.89	\$ -	\$ 11,679.67	\$ 11,679.67	\$ -	\$ -	\$ 97,374.22	Customers-All Total
	\$ -	\$ (7,320.68)	\$ (7,320.68)	\$ -	\$ (694.73)	\$ (694.73)	\$ -	\$ -	\$ (6,625.95)	Customers-Comm Total

FERC Description	System				Washington				Oregon				Allocation Method
	Direct		Total		Direct		Total		Direct		Total		
	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	
	\$ -	\$ 6,236.77	\$ -	\$ 477.11	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Ind Total
	\$ -	\$ 21,498.86	\$ -	\$ 2,332.63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
	\$ (1,313.12)	\$ -	\$ -	\$ (1,313.12)	\$ -	\$ -	\$ -	\$ -	\$ (1,313.12)	\$ -	\$ -	\$ -	Direct-OR Total
	\$ -	\$ 56,847.68	\$ -	\$ 4,525.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Sendout Volumes Total
893 Meters and House Regulators Total	\$ (1,313.12)	\$ 186,316.52	\$ 185,003.40	\$ 18,319.75	\$ -	\$ -	\$ -	\$ -	\$ (1,313.12)	\$ -	\$ -	\$ -	3-factor Total
	\$ 582.78	\$ 1,571.98	\$ 1,571.98	\$ 157.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total
894 Other Equipment Total	\$ 582.78	\$ 1,571.98	\$ 2,154.76	\$ 157.20	\$ -	\$ -	\$ -	\$ -	\$ 582.78	\$ -	\$ -	\$ -	3-factor Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total
901 Supervision Total	\$ -	\$ 124,149.99	\$ 124,149.99	\$ 13,296.46	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ -	\$ 124,149.99	\$ 124,149.99	\$ 13,296.46	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total
902 Meter Reading Expenses Total	\$ -	\$ 66,224.33	\$ 66,224.33	\$ 7,092.63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ -	\$ 66,224.33	\$ 66,224.33	\$ 7,092.63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total
907 Meter Reading Expenses Total	\$ -	\$ 13,848.60	\$ 13,848.60	\$ 1,384.86	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ -	\$ 937,175.04	\$ 937,175.04	\$ 100,371.45	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	customers-all Total
	\$ -	\$ 35,043.30	\$ 35,043.30	\$ 2,680.81	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Ind Total
	\$ -	\$ 395,750.24	\$ 395,750.24	\$ 42,938.90	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
903 Customer Records and Collection Expense Total	\$ -	\$ 1,381,817.18	\$ 1,381,817.18	\$ 147,376.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total
	\$ -	\$ (7,157.00)	\$ (7,157.00)	\$ (766.51)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Comm Total
	\$ -	\$ (19,549.79)	\$ (19,549.79)	\$ (1,855.28)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Ind Total
	\$ -	\$ 325.03	\$ 325.03	\$ 24.86	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
	\$ -	\$ (155,421.17)	\$ (155,421.17)	\$ (16,863.20)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Direct-OR Total
904 Uncollectible Accounts Total	\$ -	\$ (181,802.93)	\$ (181,802.93)	\$ (19,460.12)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
	\$ -	\$ 236.38	\$ 236.38	\$ 25.65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
907 Supervision Total	\$ -	\$ 236.38	\$ 236.38	\$ 25.65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ -	\$ 74,089.97	\$ 74,089.97	\$ 7,935.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total
	\$ -	\$ 81,660.94	\$ 81,660.94	\$ 6,247.06	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Ind Total
	\$ -	\$ (4,074.94)	\$ (4,074.94)	\$ (442.13)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
	\$ (1,036.39)	\$ -	\$ (1,036.39)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,036.39)	\$ -	\$ -	\$ -	Direct-OR Total
908 Customer Assistance Expense Total	\$ (1,036.39)	\$ 151,675.97	\$ 150,639.58	\$ 13,739.97	\$ -	\$ -	\$ -	\$ -	\$ (1,036.39)	\$ -	\$ -	\$ -	Direct-WA Total
	\$ -	\$ 196,053.62	\$ 196,053.62	\$ 20,997.34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total
909 Customer Information Expense Total	\$ -	\$ 196,053.62	\$ 196,053.62	\$ 20,997.34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
910 Miscellaneous Customer Service Expense Total	\$ -	\$ 55,110.40	\$ 55,110.40	\$ 5,979.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total
	\$ -	\$ 16,398.59	\$ 16,398.59	\$ 1,756.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
911 Supervision Total	\$ -	\$ 16,398.59	\$ 16,398.59	\$ 1,756.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ -	\$ 289,339.50	\$ 289,339.50	\$ 30,988.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total
	\$ -	\$ 3,368.03	\$ 3,368.03	\$ 365.43	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
	\$ 126.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 126.12	\$ -	\$ -	\$ -	Direct-OR Total
912 Demonstration and Selling Expense Total	\$ 126.12	\$ 292,707.53	\$ 292,833.65	\$ 31,353.69	\$ -	\$ -	\$ -	\$ -	\$ 126.12	\$ -	\$ -	\$ -	Customers-All Total
	\$ -	\$ 92,969.23	\$ 92,969.23	\$ 9,957.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
913 Advertising Total	\$ -	\$ 3,395,442.90	\$ 3,395,442.90	\$ 339,544.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3-factor Total
	\$ -	\$ 47,257.21	\$ 47,257.21	\$ 5,061.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-All Total
	\$ -	\$ 3,410.00	\$ 3,410.00	\$ 260.87	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	customers-Ind Total
	\$ -	\$ 12,562.49	\$ 12,562.49	\$ 1,363.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Customers-Res Total
	\$ 74,086.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 74,086.24	\$ -	\$ -	\$ -	Direct-OR Total
	\$ -	\$ 32,862.19	\$ 32,862.19	\$ 3,138.34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Employee Cost Total
	\$ -	\$ (8,360.00)	\$ (8,360.00)	\$ (786.68)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Firm Volumes Total
	\$ -	\$ 172,742.59	\$ 172,742.59	\$ 51,822.78	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Regulatory Total
	\$ -	\$ 51.75	\$ 51.75	\$ 4.51	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	sales volumes Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Sales/Sendout Volumes Total

FERC Description	System			Washington			Oregon			Allocation Method
	Direct Jun	Allocated Jun	Total Jun	Direct Jun	Allocated Jun	Total Jun	Direct Jun	Allocated Jun	Total Jun	
921 Office Supplies and Expense Total	\$ 74,086.24	\$ 3,655,980.12	\$ 3,730,066.36	\$ 0.87	\$ 400,409.25	\$ 400,409.25	\$ 74,086.24	\$ 3,255,570.87	\$ 3,329,657.11	Sendout Volumes Total
	\$ -	\$ (1,044,924.83)	\$ (1,044,924.83)	\$ -	\$ (110,090.58)	\$ (110,090.58)	\$ -	\$ (934,894.25)	\$ (934,894.25)	Admin Tran Total
	\$ -	\$ (436,187.10)	\$ (436,187.10)	\$ -	\$ (41,655.87)	\$ (41,655.87)	\$ -	\$ (394,531.23)	\$ (394,531.23)	Employee Cost Total
922 Administrative Expenses Transferred - Credit Total	\$ -	\$ (1,481,111.93)	\$ (1,481,111.93)	\$ -	\$ (151,686.45)	\$ (151,686.45)	\$ -	\$ (1,329,425.48)	\$ (1,329,425.48)	
924 Property Insurance Premium Total	\$ -	\$ 252,422.75	\$ 252,422.75	\$ -	\$ 25,242.28	\$ 25,242.28	\$ -	\$ 227,180.48	\$ 227,180.48	3-factor Total
	\$ -	\$ 163,381.88	\$ 163,381.88	\$ -	\$ 16,338.19	\$ 16,338.19	\$ -	\$ 147,043.69	\$ 147,043.69	3-factor Total
	\$ 431.93	\$ -	\$ 431.93	\$ -	\$ -	\$ -	\$ 431.93	\$ -	\$ 431.93	direct-or Total
925 Injuries and Damages Total	\$ 754.00	\$ 163,381.88	\$ 163,813.81	\$ -	\$ 16,338.19	\$ 16,338.19	\$ 431.93	\$ 147,043.69	\$ 147,475.62	Direct-OR Total
	\$ -	\$ 217,626.76	\$ 217,626.76	\$ -	\$ 20,783.36	\$ 20,783.36	\$ 754.00	\$ 196,843.40	\$ 196,843.40	Employee Cost Total
926 Employee Pensions and Benefits Total	\$ 754.00	\$ 217,626.76	\$ 218,380.76	\$ -	\$ 20,783.36	\$ 20,783.36	\$ 754.00	\$ 196,843.40	\$ 197,597.40	
930 Miscellaneous General Expense Total	\$ -	\$ 81,926.30	\$ 81,926.30	\$ -	\$ 8,192.63	\$ 8,192.63	\$ -	\$ 73,733.67	\$ 73,733.67	3-factor Total
	\$ -	\$ 383,459.46	\$ 383,459.46	\$ -	\$ 38,345.95	\$ 38,345.95	\$ -	\$ 345,113.51	\$ 345,113.51	3-factor Total
	\$ -	\$ 2,330.00	\$ 2,330.00	\$ -	\$ 249.54	\$ 249.54	\$ -	\$ 2,080.46	\$ 2,080.46	Customers-All Total
	\$ 3,989.18	\$ -	\$ 3,989.18	\$ -	\$ -	\$ -	\$ 3,989.18	\$ -	\$ 3,989.18	Direct-OR Total
931 Rents Total	\$ 3,989.18	\$ 385,789.46	\$ 389,778.64	\$ -	\$ 38,595.49	\$ 38,595.49	\$ 3,989.18	\$ 347,193.97	\$ 351,183.15	
	\$ -	\$ 324,071.81	\$ 324,071.81	\$ -	\$ 32,407.18	\$ 32,407.18	\$ -	\$ 291,664.63	\$ 291,664.63	3-factor Total
	\$ -	\$ 5,397.76	\$ 5,397.76	\$ -	\$ 791.85	\$ 791.85	\$ -	\$ 4,605.91	\$ 4,605.91	Customers port/Van Total
	\$ -	\$ 26,267.94	\$ 26,267.94	\$ -	\$ 2,813.30	\$ 2,813.30	\$ -	\$ 23,454.64	\$ 23,454.64	Customers-All Total
	\$ -	\$ 3,683.51	\$ 3,683.51	\$ -	\$ 938.56	\$ 938.56	\$ -	\$ 2,744.95	\$ 2,744.95	Customers-The Dalles Total
	\$ 46,996.26	\$ -	\$ 46,996.26	\$ -	\$ -	\$ -	\$ 46,996.26	\$ -	\$ 46,996.26	Direct-OR Total
	\$ 5,334.27	\$ -	\$ 5,334.27	\$ 5,334.27	\$ -	\$ 5,334.27	\$ -	\$ -	\$ -	Direct-WA Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Employee Cost Total
	\$ -	\$ 559.27	\$ 559.27	\$ -	\$ 52.63	\$ 52.63	\$ -	\$ 506.64	\$ 506.64	Firm Volumes Total
	\$ -	\$ 9,596.56	\$ 9,596.56	\$ -	\$ 908.79	\$ 908.79	\$ -	\$ 8,687.77	\$ 8,687.77	sales volumes Total
935 Maintenance of General Plant Total	\$ 52,330.53	\$ 369,576.85	\$ 421,907.38	\$ 5,354.27	\$ 37,912.31	\$ 43,266.58	\$ 46,996.26	\$ 331,664.54	\$ 378,660.80	
Grand Total	\$ 732,829.37	\$ 9,466,783.14	\$ 10,199,612.51	\$ (16,139.11)	\$ 994,369.63	\$ 978,230.52	\$ 748,968.48	\$ 8,472,413.51	\$ 9,221,381.99	

Rate Base and Allocation Factors

Allocation Factors - Summary	Washington	Oregon
Customers-all	10.710%	89.290%
Customers-Residential	10.850%	89.150%
Customers-Commercial	9.490%	90.510%
Customers-Industrial	7.660%	92.340%
Customers-The Dalles	25.480%	74.520%
3-factor	10.000%	90.000%
firm volumes	9.410%	90.590%
sales volumes	9.470%	90.530%
sendout volumes	7.960%	92.040%
sales/sendout volumes	8.710%	91.290%
Customers Portland/Vancouver	14.670%	85.330%
Customers Portland/Vancouver 80%	11.736%	88.264%
Customers Portland/Vancouver Con	14.040%	85.960%
Payroll	9.620%	90.380%
Admin Transfer	10.530%	89.470%
Employee Cost	9.550%	90.450%
Regulatory	30.000%	70.000%
Telemetry	10.770%	89.230%
Direct-Wa	100.000%	0.000%
Direct-Or	0.000%	100.000%
Gross plant direct assign	10.680%	89.320%
Depreciation	10.260%	89.744%
Rate Base	9.590%	90.410%

**NW Natural
 State Allocation Factors
 Updated for year ended 2015 data**

	<u>System</u>	<u>Washington</u>	<u>Oregon</u>
Customers			
Total Customers			
December 2015	714,428	77,026	637,402
December 2014	704,644	75,010	629,634
Average	709,536	76,018	633,518
% of System		10.71%	89.29%
Residential Customers			
December 2015	646,841	70,592	576,249
December 2014	637,411	68,691	568,720
Average	642,126	69,642	572,485
% of System		10.85%	89.15%
Commercial Customers			
December 2015	66,421	6,342	60,079
December 2014	66,207	6,243	59,964
Average	66,314	6,293	60,022
% of System		9.49%	90.51%
Industrial Customers			
December 2015	1,166	92	1,074
December 2014	1,026	76	950
Average	1,096	84	1,012
% of System		7.66%	92.34%
The Dalles			
December 2015	7,815	1,992	5,823
December 2014	7,724	1,967	5,757
Average	7,770	1,980	5,790
% of System		25.48%	74.52%
Portland / Vancouver			
December 2015	508,149	75,034	433,115
December 2014	500,899	73,043	427,856
Average	504,524	74,039	430,486
% of System		14.67%	85.33%
Portland / Vancouver Commercial			
December 2015	43,356	6,128	37,228
December 2014	43,201	6,022	37,179
Average	43,279	6,075	37,204
% of System		14.04%	85.96%
Volumes - 12 Months Ended 12/31/15			
Firm Delivered			
% of System	739,321,222	69,600,944	669,720,278
		9.41%	90.59%
Sales Volumes			
% of System	652,564,762	61,803,096	590,761,666
		9.47%	90.53%
Sendout Volumes			
% of System	1,028,612,731	81,833,007	946,779,724
		7.96%	92.04%
3-factor formula (simple average)			
Gross Plant Directly Assigned		10.68%	89.32%
Number of Employees Directly Assigned		8.60%	91.40%
Number of Customers		10.71%	89.29%
Average		10.00%	90.00%

Derivation of factor for 3-factor - Gross Plant Directly Assigned

December 31, 2015	System	Washington	Oregon
Intangible - Other	84,795	447	84,348
Production	675,198	0	675,198
Transmission	157,894,271	1,015,489	156,878,782
Distribution	2,005,888,596	231,807,252	1,774,081,344
December 31, 2014	System	Washington	Oregon
Intangible	84,795	447	84,348
Production	675,198	0	675,198
Transmission	152,929,441	1,000,754	151,928,687
Distribution	1,937,150,374	220,548,835	1,716,601,539
Average	System	Washington	Oregon
Intangible - Other	84,795	447	84,348
Production	675,198	0	675,198
Transmission	155,411,856	1,008,121	154,403,735
Distribution	1,971,519,485	226,178,044	1,745,341,441
Gross Plant Directly Assigned	2,127,691,334	227,186,612	1,900,504,723
% of System		10.68%	89.32%

**NW Natural
 Washington Annual Commission Basis Report
 Test Year Based on Twelve Months Ended December 31, 2015
 Rate Base**

SYSTEM	2014 Dec	2015 December	Dec 14 - Dec 15 12 month average	Allocation Method
	System	System	System	
Gross Plant				
Intangible				
Production				
Transmission				
Distribution				
General				
Storage and storage transmission CNG and LNG				
Encana				
Total Gross Plant				
Accumulated Depreciation				
Intangible				
Production				
Transmission				
Distribution				
General				
Storage and storage transmission CNG and LNG				
Encana				
Total Accumulated Depreciation				
Storage Gas				
Customer Advances				
Leasehold Improvements				
Total Rate Base Excluding ADIT and WC				

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 Washington Annual Commission Basis Report
 Test Year Based on Twelve Months Ended December 31, 2015
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	2014	2015	Dec 14 - Dec 15	
OREGON	2014	2015	Dec 14 - Dec 15	
Gross Plant	Dec OREGON	December OREGON	12 month average OREGON	
Intangible	80,819,414	84,044,633	82,213,190	Total Customers
	84,348	84,348	84,348	Direct
Production	675,198	675,198	675,198	Direct
Transmission	151,928,687	156,878,782	152,861,592	Direct
Distribution	1,716,601,539	1,774,081,344	1,740,667,944	Direct
General	166,148,435	170,775,618	168,264,893	3-Factor & Direct
Storage and storage transmission CNG and LNG	258,427,207	262,248,489	260,625,881	Firm Delivered Volumes
	3,413,966	3,413,966	3,413,966	3-Factor
Encana	186,987,496	187,547,253	187,424,923	Direct
Total Gross Plant	2,565,086,290	2,639,749,631	2,596,231,933	
Accumulated Depreciation				
Intangible	(50,290,933)	(51,571,578)	(51,274,308)	Total Customers
Production	(691,036)	(691,036)	(691,036)	Direct
Transmission	(22,034,688)	(26,627,223)	(24,322,387)	Direct
Distribution	(795,473,276)	(825,236,387)	(810,781,756)	Direct
General	(56,884,207)	(55,177,586)	(59,315,490)	3-Factor
Storage and storage transmission CNG and LNG	(107,513,146)	(115,019,652)	(111,396,564)	Firm Delivered Volumes
	(1,832,885)	(1,861,443)	(1,847,163)	3-Factor
Encana	(37,910,394)	(55,901,631)	(47,436,012)	Direct
Total Accumulated Depreciation	(1,072,630,565)	(1,132,086,536)	(1,107,064,715)	
Storage Gas	12,699,327	12,817,028	12,776,700	Firm Delivered Volumes
Customer Advances	(2,880,550)	(2,925,250)	(2,983,254)	Direct
Leasehold Improvements	853,180	628,215	740,481	Direct & 3-Factor
Total Rate Base Excluding ADIT and WC	1,503,127,681	1,518,183,088	1,499,701,145	

**NW Natural
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 Test Year Based on Twelve Months Ended December 31, 2015
 Rate Base**

	2014	2015	Dec 14 - Dec 15	
WASHINGTON	2014 Dec WASHINGTON	2015 December WASHINGTON	Dec 14 - Dec 15 12 month average WASHINGTON	
Gross Plant				
Intangible	9,693,985	10,080,838	9,861,163	Total Customers
Software	447	447	447	Direct
Other			0	Direct
Production			1,011,404	Direct
Transmission	1,000,754	1,015,489	1,011,404	Direct
Distribution	220,564,189	231,807,252	224,086,743	Direct
General	13,742,973	11,186,487	13,822,796	3-Factor & Direct
Storage and storage transmission	23,416,161	23,813,095	23,644,547	Firm Delivered Volumes
CNG and LNG	379,077	379,077	379,077	3-Factor
Total Gross Plant	268,797,586	278,282,685	272,806,177	
Accumulated Depreciation				
Intangible	(6,032,208)	(6,185,817)	(6,150,160)	Total Customers
Production	-			Direct
Transmission	(83,896)	(104,629)	(94,457)	Direct
Distribution	(91,346,549)	(95,957,411)	(93,670,641)	Direct
General	(5,728,635)	(5,452,923)	(5,955,913)	3-Factor
Storage and storage transmission	(8,515,847)	(9,196,551)	(8,869,715)	Firm Delivered Volumes
CNG and LNG	(203,654)	(206,827)	(205,240)	3-Factor
Total Accumulated Depreciation	(111,910,789)	(117,104,158)	(114,946,127)	
Storage Gas	1,319,137	1,331,364	1,327,175	Firm Delivered Volumes
Customer Advances	(284,759)	(421,615)	(365,019)	Direct
Leasehold Improvements	254,673	68,950	177,714	Direct & 3-Factor
Total Rate Base Excluding ADIT and WC	158,175,848	162,157,225	158,999,920	
Total Rate Base Used			<u><u>\$158,999,920</u></u>	

Customer Counts, Volumes and Usage per Customer

**NW Natural
 Washington Qtrly Results of Operations
 Monthly Volumes, Customers, and
 Use/Customer**

	2016		2016		2016		2016		2016			
	January	February	March	April	May	June	January	February	March	April	May	June
Volumes												
Residential	8,880,221	5,789,694	4,919,785	3,529,262	2,083,818	1,747,621						
Commercial	3,539,304	2,423,263	2,020,690	1,592,322	1,013,884	925,809						
Industrial Firm	340,180	283,335	290,890	220,211	195,482	192,570						
Interruptible	149,344	121,237	127,288	103,613	101,529	86,726						
Transport Firm	966,793	814,325	843,296	673,040	647,533	642,237						
Transport Interruptible	796,198	680,131	787,313	776,401	844,695	829,052						
Total	14,672,040	10,111,985	8,989,262	6,894,849	4,886,941	4,424,015						
Customers												
Residential	70,814	70,984	71,106	71,241	71,329	71,455						
Commercial	6,334	6,331	6,360	6,403	6,440	6,457						
Industrial Firm	49	48	48	49	50	50						
Interruptible	5	5	5	5	5	5						
Transport Firm	29	29	29	29	30	30						
Transport Interruptible	12	11	11	11	11	11						
Total	77,243	77,408	77,559	77,738	77,865	78,008						
Use per Customer												
Residential	125	82	69	50	29	24						
Commercial	559	383	318	249	157	143						
Industrial Firm	6,942	5,903	6,060	4,494	3,910	3,851						
Interruptible	29,869	24,247	25,458	20,723	20,306	17,345						
Transport Firm	33,338	28,080	29,079	23,208	21,584	21,408						
Transport Interruptible	66,350	61,830	71,574	70,582	76,790	75,368						

**NW Natural
 Washington Qtrly Results of Operations
 Monthly Volumes, Customers, and
 Use/Customer**

12 Months Ended	2016		2016		2016		2016	
	January	February	March	April	May	June	June	June
Volumes								
Residential	41,330,906	41,741,266	42,413,090	42,525,037	42,114,236	42,281,777		
Commercial	18,543,198	18,622,377	18,780,380	18,827,665	18,645,645	18,685,014		
Industrial Firm	2,686,071	2,696,396	2,745,886	2,746,169	2,756,247	2,762,964		
Interruptible	1,244,185	1,258,662	1,276,419	1,270,550	1,276,902	1,282,376		
Transport Firm	9,058,789	9,088,795	9,083,870	9,032,567	9,063,474	9,085,752		
Transport Interruptible	10,082,382	10,002,238	10,055,692	9,321,189	8,604,976	10,300,474		
Total	82,945,531	83,409,734	84,355,337	83,723,177	82,461,480	84,398,357		
Average Customers								
Residential	69,720	69,883	70,048	70,216	70,384	70,557		
Commercial	6,243	6,254	6,266	6,282	6,299	6,317		
Industrial Firm	43	44	44	45	46	47		
Interruptible	5	5	5	5	5	5		
Transport Firm	23	24	24	25	26	27		
Transport Interruptible	11	11	11	11	11	11		
Total	76,045	76,220	76,399	76,583	76,771	76,963		
12 Month Use per Average Customer								
Residential	593	597	605	606	598	599		
Commercial	2,970	2,978	2,997	2,997	2,960	2,958		
Industrial Firm	62,588	61,750	61,821	60,689	59,702	58,891		
Interruptible	248,837	251,732	255,284	254,110	255,380	256,475		
Transport Firm	393,860	384,034	373,310	361,303	351,980	342,859		
Transport Interruptible	909,689	902,458	907,280	840,435	775,223	929,366		

NW Natural
 Washington Otriv Results of Operations
 Monthly Volumes, Customers, and
 Use/Customer

	2015 January	2015 February	2015 March	2015 April	2015 May	2015 June	2015 July	2015 August	2015 September	2015 October	2015 November	2015 December
Volumes												
Residential	7,403,685	5,279,334	4,247,961	3,417,315	2,494,619	1,580,080	1,139,659	1,056,329	1,232,327	1,519,133	2,999,763	7,384,165
Commercial	3,051,456	2,344,084	1,862,687	1,545,037	1,195,904	886,440	685,010	659,112	767,089	879,698	1,274,372	2,904,461
Industrial Firm	328,906	273,010	241,400	219,928	185,404	154,743	164,090	164,743	164,472	175,333	251,839	319,819
Interruptible	123,740	106,760	109,531	109,482	95,177	81,252	70,847	72,073	84,440	95,691	128,295	141,293
Transport Firm	924,433	784,319	848,221	724,343	616,626	619,959	646,379	635,711	649,889	681,453	882,977	1,002,119
Transport Interruptible	897,593	760,275	735,859	734,503	716,213	734,650	817,137	892,220	1,112,464	1,066,493	836,617	861,753
Total	12,729,813	9,647,782	8,043,659	6,750,608	5,303,943	4,108,234	3,523,122	3,480,188	4,010,681	4,417,801	6,373,863	12,613,610
Customers												
Residential	68,908	69,023	69,131	69,227	69,307	69,377	69,490	69,586	69,819	70,011	70,259	70,592
Commercial	6,230	6,206	6,211	6,219	6,235	6,241	6,235	6,182	6,186	6,237	6,292	6,342
Industrial Firm	39	39	39	39	39	41	41	40	43	49	49	47
Interruptible	5	5	5	5	5	5	5	5	5	5	5	5
Transport Firm	21	21	21	21	21	21	21	21	21	21	21	21
Transport Interruptible	11	11	11	11	11	11	11	11	11	11	11	11
Total	75,214	75,305	75,418	75,522	75,618	75,696	75,803	75,845	76,085	76,334	76,645	77,026
Use per Customer												
Residential	107	78	61	49	36	23	16	15	18	22	43	105
Commercial	490	378	300	248	192	122	110	107	124	141	203	458
Industrial Firm	8,433	7,000	6,190	5,639	4,752	4,533	4,062	4,119	3,823	3,578	5,140	6,805
Interruptible	24,748	21,352	21,906	21,896	19,035	16,250	14,169	14,415	16,886	19,138	25,659	28,259
Transport Firm	44,021	37,349	40,391	34,493	29,363	29,522	30,780	30,272	30,947	32,450	30,447	34,556
Transport Interruptible	81,599	69,116	66,714	66,773	65,110	68,605	74,285	81,111	101,133	96,954	76,056	78,341

NW Natural
 Washington Qtrly Results of Operations
 Monthly Volumes, Customers, and
 Use/Customer

12 Months Ended	2015											
	January	February	March	April	May	June	July	August	September	October	November	December
Volumes												
Residential	43,629,264	41,120,968	39,791,270	39,392,123	39,398,804	39,411,897	39,182,185	39,160,069	39,279,508	39,482,253	39,196,111	39,854,370
Commercial	19,896,592	18,894,201	18,291,730	18,066,803	18,075,235	18,057,307	17,959,353	17,961,987	18,024,293	18,081,028	17,951,540	18,055,350
Industrial Firm	2,933,358	2,834,132	2,738,366	2,662,837	2,631,236	2,648,148	2,650,412	2,670,363	2,684,415	2,678,242	2,687,063	2,674,797
Interruptible	1,213,241	1,177,198	1,171,902	1,182,173	1,187,509	1,183,198	1,177,975	1,172,715	1,176,713	1,184,725	1,195,756	1,218,581
Transport Firm												
Transport Interruptible	8,862,409	8,866,136	8,951,037	8,872,881	8,819,885	8,868,088	8,854,733	8,841,513	8,896,076	8,891,644	8,931,820	9,016,429
	9,962,217	10,038,939	10,037,444	9,245,213	8,562,020	10,043,251	10,141,547	10,211,055	10,236,061	10,205,292	10,210,012	10,183,777
Total	86,497,081	82,919,564	80,981,749	79,542,030	78,774,689	80,211,889	79,966,205	80,017,702	80,297,066	80,523,184	80,172,302	81,003,304
Average Customers												
Residential	67,965	68,097	68,230	68,365	68,501	68,638	68,781	68,927	69,086	69,246	69,402	69,561
Commercial	6,167	6,171	6,173	6,176	6,181	6,189	6,198	6,202	6,206	6,215	6,226	6,235
Industrial Firm	39	39	39	39	39	39	39	39	40	41	41	42
Interruptible	5	5	5	5	5	5	5	5	5	5	5	5
Transport Firm												
Transport Interruptible	15	16	17	17	18	19	19	20	20	21	22	22
	11	11	11	11	11	11	11	11	11	11	11	11
Total	74,202	74,338	74,475	74,613	74,755	74,900	75,053	75,205	75,368	75,538	75,708	75,876
12 Month Use per Average Customer												
Residential	642	604	583	576	575	574	570	568	569	570	565	573
Commercial	3,277	3,060	2,863	2,825	2,824	2,818	2,808	2,809	2,804	2,809	2,883	2,895
Industrial Firm	75,375	72,619	70,215	68,781	67,468	67,612	67,383	67,747	67,842	67,842	68,479	63,360
Interruptible	238,670	235,440	234,380	236,435	237,502	236,640	235,595	234,543	235,343	236,945	239,151	243,716
Transport Firm												
Transport Interruptible	574,859	551,262	534,390	515,189	493,266	475,076	459,986	445,791	435,726	423,412	412,238	403,721
	905,656	912,631	912,495	840,474	778,365	913,023	921,959	928,278	930,551	927,754	928,183	925,798