Exh. JL-8 Docket UG-170929

Witness: Jing Liu

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

DOCKET UG-170929

Complainant,

 \mathbf{v}_{ullet}

CASCADE NATURAL GAS CORPORATION,

Respondent.

EXHIBIT TO TESTIMONY OF

Jing Liu

STAFF OF WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Staff's Pro Forma Revenue Adjustment (P-9)

February 15, 2018

Staff's Pro Forma Revenue Adjustment (P-9)

Line No.	Test Year Billing (January 1, 2016 Through	Deleting schedule	es to combine	with other		urrent Rates (11/1/2016) mers and weather normal		2017 Revenue	CRM					
		Billing Determinants	_	Test Year Revenue	Billing Determinants	_		Billing Determinants			Adjustment	Billing Determinants		
1	Rate Description	(Therms/Bills)	Rate	(Margin)	(Therms/Bills)	Rate	Remove/Add	(Therms/Bill)	Rate	Margin		(Therms/Bill)	Rate	CRM
2 3 4	(A)	(B)	(C)	(D) (B*C)	(E)	(F)	(G) (E*F)	(H)	(I)	(J)	(K) (J-D-G)	(L)	(M)	(N) (L*M)
5	Component													
7	Rate Schedule: CNGWA502 (Dry-Out Service - Residential)													
8	Basic Service Charge	7,215	\$ 14.00	\$101,010.00	(7,215)	\$14.00	(\$101,010.00)	0		0	-\$101,010.00			
9	Margin (Jan Aug.)	258,550	\$0.08746	\$22,612.78	(258,550)	\$0.08746	(\$22,612.78)	0		0				
10 11	Margin (Sept. forward) All therms	111,687 370,237	\$0.09183	\$10,256.22 \$32,869.00	(111,687)	\$0.09183	(\$10,256.22)	0		0	-\$32,869.00			
12	A MI MONTHS	570,257									932,003.00			
13 14	Total Rate Schedule: CNGWA502 (Dry-Out Service - Residential)			\$133,879.00						\$0.00	-\$133,879.00			
15	Rate Schedule: CNGWA503 (Residential)													
16	Basic Service Charge	2,198,053	\$ 4.00	\$8,792,212.00	7,215	\$4.00	\$28,860.00	2,205,268	\$ 4.00	\$8,821,072.00	\$28,860.00			
17 18	Margin (Jan Aug.) Margin (Sept. forward)	77,388,055 29,079,952	\$0.27277 \$0.29484	\$21,109,139.76 \$8,573,933.05	258,550 111,687	\$0.27277 \$0.29484	\$70,524.68 \$32,929.80	77,646,605 29,191,639						
19	Margin (Sept. 101 ward)	29,079,932	30.27404	\$6,373,933.03	111,087	30.29404	\$32,929.00	29,191,039						
20	Weather Normalized Volume Adjustment							14,207,770	\$0.29484	\$4,189,018.88	\$4,189,018.88			
21 22	Adj. Therms and Rounding All therms	-1,705 106,466,302		(\$550.47) \$29,682,522.34				121,046,014	\$0.29484	\$35,689,206.74	\$6,006,684.40	121,046,014	\$0.00792	\$958,684.43
23														
24 25	Total Rate Schedule: CNGWA503 (Residential) Gas Cost			\$38,474,734.34					0.49569	\$44,510,278.74 \$60,001,298.63	\$6,035,544.40			\$958,684.43
26	Gas Cost								0.49309	300,001,290.03				
27	Rate Schedule: CNGWA504 (General Commercial)													
28	Basic Service Charge	307,199	\$ 10.00	\$3,071,990	12	\$10.00	\$120.00	307,211	\$ 10.00	\$3,072,110.00	\$120.00			
29 30	Margin (Jan Aug.)	55,927,694	\$0.24196	\$13,532,264.84	33,844	\$0.24196	\$8,188.89	55,961,538						
31	Margin (Sept. forward)	19,775,776	\$0.24608	\$4,866,422.96	13,536	\$0.24608	\$3,330.94	19,789,312						
32	Weather Normalized Volume Adjustment	.,,		. ,			,	8,140,084	\$0.24608	\$2,003,111.79	\$2,003,111.79			
33	Adj. Therms and Rounding	-85,903		\$3.39				02.000.024	00.24500	620 542 000 05	62 245 400 55	02.000.024	00.00500	0.407.470.04
34 35	All therms	75,617,567		\$18,398,691.19				83,890,934	\$0.24608	\$20,643,880.96	\$2,245,189.77	83,890,934	\$0.00593	\$497,473.24
36 37	Total Rate Schedule: CNGWA504 (General Commercial)			\$21,470,681.19					0.49304	\$23,715,990.96 \$41,361,585.93	\$2,245,309.77			\$497,473.24
38	Gas Cost								0.49304	\$41,361,585.93				
39	Rate Schedule: CNGWA505 (General Industrial - Large Volume)													
40	Basic Service Charge (Jan Aug.)	3,623	\$ 24.00	\$86,952.00										
41 42	Basic Service Charge (Sept. forward) Total Basic Service Charge	1,651 5,274	\$ 48.00	\$79,262.40 \$166,214.40				5,274	\$ 48.00	\$253,166.40	\$86,952.00			
43	Total basic Service Charge	3,274		3100,214.40				3,274	3 40.00	\$255,100.40	300,732.00			
44	Margin First 500 Therms (Jan Aug.)	1,091,132	\$0.19817	\$216,229.63								1,521,701	\$0.00452	\$6,878.09
45 46	Margin Next 3,500 Therms (Jan Aug.)	3,573,823	\$0.15996	\$571,668.73								4,967,619	\$0.00452	\$22,453.64
46 47	Margin > 4,000 Therms (Jan Aug.) Margin First 500 Therms (Sept. forward)	2,714,630 430,569	\$0.15418 \$0.18843	\$418,541.65 \$81,132.12				1,521,701	\$0.18843	\$286,734,12	(\$10,627.63)	4,334,471	\$0.00452	\$19,591.81
48	Margin Next 3,500 Therms (Sept. forward)	1,393,796	\$0.15175	\$211,508.54				4,967,619	\$0.15175	\$753,836.18	(\$29,341.09)			
49	Margin > 4,000 Therms (Sept. forward)	1,619,841	\$0.14620	\$236,820.75				4,334,471	\$0.14620	\$633,699.66	(\$21,662.75)			
50	Weather Normalized Volume Adjustment	12		612.22				0	\$0.14620	\$0.00	\$0.00			
51 52	Adj. Therms and Rounding All Therms	10,823,803		\$12.33 \$1,735,913.75				10,823,791		\$1,674,269.96	(\$61,643.79)			
53		,,						1.0,020,771		0.,0,20	(441,41417)			
54	Total Rate Schedule: CNGWA505 (General Industrial - Large Volume)			\$1,902,128.15					=	\$1,927,436.36	\$25,308.21			\$48,923.54
55 56	Gas Cost								0.47993	\$5,194,662.01				
57	Rate Schedule: CNGWA511 (Large Volume)	1												
58	Basic Service Charge (Jan Sept.)	821	\$ 44.00	\$36,119.20										
59	Basic Service Charge (Oct. forward)	264	\$ 100.00	\$26,366.40				4.005		**********	045.050.00			
60 61	Total Basic Service Charge	1,085		\$62,485.60				1,085	\$ 100.00	\$108,455.49	\$45,969.89			
62	Margin First 20,000 Therms (Jan Sept.)	5,132,259	\$0.15247	\$782,515.53								7,195,184	\$0.00325	\$23,384.35
63	Margin Next 80,000 Therms (Jan Sept.)	1,970,735	\$0.11647	\$229,531.51								2,872,027	\$0.00325	\$9,334.09
64	Margin> 100,000 Therms (Jan Sept.)	182,177	\$0.02742	\$4,995.29						04.007.777		225,576	\$0.00325	\$733.12
65 66	Margin First 20,000 Therms (Oct. forward) Margin Next 80,000 Therms (Oct. forward)	2,062,925 901,292	\$0.14834 \$0.11295	\$306,014.29 \$101,800.93				7,195,184 2,872,027	\$0.14834 \$0.11295	\$1,067,333.59 \$324,395.45	(\$21,196.23) (\$6,936.99)			
67	Margin Next 80,000 Therms (Oct. forward) Margin> 100,000 Therms (Oct. forward)	43,399	\$0.11293	\$1,102.77				2,872,027	\$0.02541	\$5,731.89	(\$366.18)			
68	Weather Normalized Volume Adjustment							0	\$0.02541	\$0.00	\$0.00			
69	Adj. Therms and Rounding	22,811		\$3,439.67										
70 71	All Therms Total Rate Schedule: CNGWA511 (Large Volume)	10,315,598		\$1,429,399.99 \$1,491,885.59				10,292,787		\$1,397,460.93 \$1,505,916.42	-\$31,939.06 \$14,030.83			\$33,451.56
	Gas Cost	1	1	91,771,000,07					0.47993	\$4,939,817.26	\$14,030.63			φυυ ,401.00

Line No.	No. Test Year Billing (January 1, 2016 Through December 31, 2016)				Deleting schedul	es to combine v	vith other	Currer Test year customers	nt Rates (11/1/20 and weather nor	16) malized volumes	2017 Revenue		CRM	
1	Rate Description	Billing Determinants (Therms/Bills)	Rate	Test Year Revenue (Margin)	Billing Determinants (Therms/Bills)	Rate	Remove/Add	Billing Determinants (Therms/Bill)	Rate	Margin	Adjustment	Billing Determinants (Therms/Bill)	Rate	CRM
2	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
3 73				(B*C)			(E*F)				(J-D-G)			(L*M)
74 75	Rate Schedule: CNGWA512 (Compressed Natural Gas) Basic Service Charge	12	\$ 14.00	\$168.00	(12)	\$14.00	(\$168.00)				(\$168.00)			
76		22.044	00.21141	07.141.70	(22.04.0	00.01141	(07.454.70)							
77 78	Margin (Jan Aug.) Margin (Sept. forward)	33,844 13,536	\$0.21161 \$0.21479	\$7,161.73 \$2,907.40	(33,844) (13,536)	\$0.21161 \$0.21479	(\$7,161.73) (\$2,907.40)				(\$7,161.73) (\$2,907.40)			
79	All Therms	47,380		\$10,069.13							(\$10,069.13)			
80 81 82	Total Rate Schedule: CNGWA512 (Compressed Natural Gas)			\$10,237.13							(\$10,237.13)			
83	Rate Schedule: CNGWA570 Interruptible Service (Large Volume)													
84 85	Basic Service Charge (Jan Sept.) Basic Service Charge (Oct. forward)	72 24	\$ 44.00 \$ 130.00	\$3,168.00 \$3,120.00	19	\$44.00 \$130.00	\$836.00 \$780.00							
86	Total Basic Service Charge	96		\$6,288.00	25			121 \$	130.00	\$15,730.00	\$9,442.00			
87 88	Margin First 30,000 Therms (Jan Sept.)	1,189,323	\$0.08455	\$100,557,27	127,908	\$0.08455	\$10,814.62					1,784,890	\$0.00130	\$2,320,36
89	Margin > 30,000 Therms (Jan Sept.)	1,591,441	\$0.02352	\$37,430.70			\$0.00					2,064,045	\$0.00130	\$2,683.26
90 91	Margin First 30,000 Therms (Oct. forward) Margin > 30,000 Therms(Oct. forward)	427,183 472,604	\$0.08233 \$0.02251	\$35,169.99 \$10,638.31	40,476	\$0.08233	\$3,332.39 \$0.00	1,784,890 2,064,045	\$0.08233 \$0.02251	\$146,950.02 \$46,461.65	(\$2,924.25) (\$1,607.36)			
92	All Therms	3,680,551	30.02231	\$183,796.27			30.00	3,848,935	30.02231	\$193,411.67	(31,007.30)			
93 94	Total Rate Schedule: CNGWA570 Interruptible Service (Large Volume)			\$190,084.27						\$209,141.67	\$19,057,40			\$5,003.62
94 95	Gas Cost			\$190,084.27					0.46687	\$1,796,952.44	\$19,057.40			\$5,005.62
96	D. C. I. Charles and C. I. L. I.													
97 98	Rate Schedule: CNGWA577 (Limited Interruptible Service) Basic Service Charge (Jan Sept.)	19	\$ 44.00	\$836.00	(19)	\$44.00	(\$836.00)	0		0	-\$836.00			
99	Basic Service Charge (Oct. forward)	6	\$ 130.00	\$780.00	(6)	\$130.00	(\$780.00)	0		0	-\$780.00			
100 101	Total Basic Service Charge	25		\$1,616.00	(25)									
102	Margin First 4,000 Therms (Jan Sept.)	69,814	\$0.11314	\$7,898.76	(69,814)	\$0.11314	(\$7,898.76)	0		0	-\$7,898.76			
103	Margin > 4,000 Therms (Jan Sept.)	58,094	\$0.09210	\$5,350.46	(58,094)	\$0.09210	(\$5,350.46)	0		0	-\$5,350.46			
104 105	Margin First 4,000 Therms (Oct. forward) Margin > 4,000 Therms (Oct. forward)	23,613 16.863	\$0.10401 \$0.08446	\$2,455.99 \$1,424.25	(23,613) (16,863)	\$0.10401 \$0.08446	(\$2,455.99) (\$1,424.25)	0		0	-\$2,455.99 -\$1,424.25			
106	All Therms	168,384	30.00440	\$17,129.45	(10,003)	30.00440	(31,424.23)	l "			-\$17,129.45			
107	Total Rate Schedule: CNGWA577 (Limited Interruptible Service)			\$18,745.45							-\$18,745.45			
108 109	Rate Schedule: CNGW6631 (Distribution System Transportation)													
110	Basic Service Charge	12	\$ 500.00	\$6,000.00				12 \$	500.00	\$6,000.00	\$0.00			
111 112	Total Rate Schedule: CNGW6631 (Distribution System Transportation)			\$6,000.00						\$6,000.00	\$0.00			
113	Rate Schedule: CNGW6631 (Distribution System Transportation)	2240	6 500.00	64 405 000 00					0.500	64 405 000 00				
114 115	Basic Service Charge Contract Demand Charge (Jan Sept.)	2,210 11,656,100		\$1,105,000.00 \$1,748,415.00				2,210	\$500	\$1,105,000.00	\$0.00			
116	Contract Demand Charge (Oct. forward)	3,957,525	\$0.200	\$791,505.00				15,613,625	\$0.20	\$3,122,725.00	\$582,805.00			
117 118	Dispatch Delivery Charge (Jan Sept.)	251,558,586 94,143,704	\$0.0002 \$0.0004	\$50,311.78 \$37,648.02				345,702,290	\$0.0004	\$138,280,92	\$50.321.12			
118	System Balancing Charge (Oct. forward) Contract Charge	94,143,704	\$1.250.00	\$37,648.02				345,702,290	\$1,250.00	\$138,280.92 \$15.000.00	\$50,321.12 \$0.00			
120	Contract Charge	12	\$500.00	\$6,000.00				12	\$500.00	\$6,000.00	\$0.00			
121	Delivery Charge First 100,000 Therms (Jan Sept.)	65,401,602	\$0.05429	\$3,550,652.98								89,920,108	\$0.00107	\$96,214.52
122 123	Delivery Charge Next 200,000 Therms (Jan Sept.) Delivery Charge Next 200,000 Therms (Jan Sept.)	44,096,847 21,440,428	\$0.01879 \$0.01079	\$828,579.75 \$231,342.22								61,418,169 29,643,391	\$0.00107 \$0.00107	\$65,717.44 \$31,718.43
124	Delivery Charge > 500,000 Therms (Jan Sept.)	120,666,430	\$0.00429	\$517,658.98								164,720,623	\$0.00107	\$176,251.07
125	Delivery Charge First 100,000 Therms (Oct. forward)	24,518,505		\$1,404,910.36				89,920,108	\$0.05730	\$5,152,422.17	\$196,858.82			
126 127	Delivery Charge Next 200,000 Therms (Oct. forward) Delivery Charge Next 200,000 Therms (Oct. forward)	17,321,322 8,202,963	\$0.02023 \$0.01187	\$350,410.34 \$97,369.17				61,418,169 29,643,391	\$0.02023 \$0.01187	\$1,242,489.55 \$351,867.05	\$63,499.46 \$23,155.66			
128	Delivery Charge > 500,000 Therms (Oct. forward)	44,054,193		\$223,795.30				164,720,623	\$0.00508	\$836,780.76	\$95,326.48			
129	All Therms	345,702,290		\$7,204,719.11				345,702,290		\$7,583,559.53	\$378,840.42			
130 131	Total Rate Schedule: CNGW6631 (Distribution System Transportation)			\$10,958,598.91						\$11,970,565.45	\$1,011,966.54			\$369,901.45
132				,,,,,						722, 10,00000	7-,324,70007			
133 134	Rate Schedule: CNGW6632 (Distribution System Transportation) Basic Service Charge	12	\$ 500.00	\$6,000.00				12 \$	500.00	\$6,000.00	\$0.00			
135	Volumetric Firming Charge (Jan Sept.)	520,737	\$0.0156	\$8,123.50				12 3	500.00	\$0.00	(\$8,123.50)			
136	Dispatch Delivery Charge (Jan Sept.)	520,737	\$0.0002	\$104.15					00		l L			
137 138	System Balancing Charge (Oct. forward) Delivery Charge First 100.000 Therms (Jan Sept.)	171,556 520,737	\$0.0004 \$0.05429	\$68.62 \$28,270.81				692,293	\$0.00040	\$276.92	\$104.15	692,293	\$0.00107	\$740.75
139	Delivery Charge First 100,000 Therms (Jan Sept.) Delivery Charge First 100,000 Therms (Oct. forward)	171,556	\$0.05429	\$9,830.16				692,293	\$0.05730	\$39,668.39	\$1,567.42	092,293	90.00107	\$740.75
140	All Therms	692,293		\$38,100.97				692,293		\$39,668.39	\$1,567.42			
141 142	Total Rate Schedule: CNGW6632 (Distribution System Transportation)			\$52,397,24						\$45,945,31	(\$6,451.93)			\$740.75
142	Total Kate Schedule: UNG W0052 (Distribution System Transportation)	1		\$54,391.24						\$40,740.31	(30,431.93)			\$/40./5

Line No.	Test Year Billing (January 1, 2016 Throug	Deleting schedules to combine with other				rent Rates (11/1/20 ers and weather nor		2017 Revenue	CRM					
	P. P. M.	Billing Determinants		Test Year Revenue	Billing Determinants		P 411	Billing Determinants			Adjustment	Billing Determinants		CD14
1	Rate Description	(Therms/Bills)	Rate	(Margin)	(Therms/Bills)	Rate	Remove/Add	(Therms/Bill)	Rate	Margin	are.	(Therms/Bill)	Rate	CRM
2	(A)	(B)	(C)	(D) (B*C)	(E)	(F)	(G) (E*F)	(H)	(I)	(J)	(K) (J-D-G)	(L)	(M)	(N) (L*M)
143				(B~C)			(E~F)				(J-D-G)			(L*M)
144	Rate Schedule: CNGW6633 (Distribution System Transportation)													
145	Basic Service Charge	12	\$500	\$6,000.00				12	\$500	\$6,000.00	\$0.00			
146 147	Contract Demand Charge (Jan Aug.) Contract Demand Charge (Sept. forward)	4,160,000 1,950,000	\$0.15 \$0.20	\$624,000.00 \$390,000.00				6,110,000	\$0.20	\$1,222,000.00	\$208,000,00			
148	Dispatch Delivery Charge	50,092,097	0.0002	\$10,018.42				0,110,000	30.20	\$1,222,000.00	3200,000.00			
149	System Balancing Charge	13,159,795	0.0004	\$5,263.92				63,251,892	\$0.00040	\$25,300.76	\$10,018.42			
150	Delivery Charge First 100,000 Therms (Jan Sept.)	900,000	\$0.05429	\$48,861.00						,	,.	1,200,000	\$0.00107	\$1,284.00
151	Delivery Charge Next 200,000 Therms (Jan Sept.)	1,800,000	\$0.01879	\$33,822.00								2,400,000	\$0.00107	\$2,568.00
152	Delivery Charge Next 200,000 Therms (Jan Sept.)	1,800,000	\$0.01079	\$19,422.00								2,400,000	\$0.00107	\$2,568.00
153	Delivery Charge > 500,000 Therms (Jan Sept.)	45,592,097	\$0.00429	\$195,590.10								57,251,892	\$0.00107	\$61,259.52
154	Delivery Charge First 100,000 Therms (Oct. forward)	300,000 600,000	\$0.05730 \$0.02023	\$17,190.00				1,200,000	\$0.05730 \$0.02023	\$68,760.00	\$2,709.00 \$2,592.00			
155 156	Delivery Charge Next 200,000 Therms (Oct. forward) Delivery Charge Next 200,000 Therms (Oct. forward)	600,000	\$0.02023	\$12,138.00 \$7,122.00				2,400,000 2,400,000	\$0.02023	\$48,552.00 \$28,488.00	\$2,392.00			
157	Delivery Charge > 500,000 Therms (Oct. forward)	11,659,795	\$0.00508	\$59,231.76				57,251,892	\$0.00508	\$290,839.61	\$36,017.76			
158	All Therms	63,251,892	\$0.00500	\$393,376.85				63,251,892	\$0.00500	\$436,639.61	\$43,262.76			
159		,,		44-24-1				00,201,072		* *************************************	***********			
160	Total Rate Schedule: CNGW6633 (Distribution System Transportation)			\$1,428,659.19						\$1,689,940.37	\$261,281.18			\$67,679.52
161 162	Rate Schedule: CNGW6635 (Distribution System Transportation)													
163	Dispatch Service Charge	12	\$500	\$6,000.00				12	\$500	\$6,000.00	\$0.00			
164	Dispatch Delivery Charge	24,344,939	\$0.0002	\$4,868.99					9500	\$0,000.00	90.00			
165	System Balancing Charge	4,612,521	\$0.0004	\$1,845.01				28,957,460	\$0.0004	\$11,582.98	\$4,868.99			
166	Delivery Charge First 100,000 Therms (Jan Sept.)	900,000	\$0.05429	\$48,861.00								1,200,000	\$0.00107	\$1,284.00
167	Delivery Charge Next 200,000 Therms (Jan Sept.)	1,800,000	\$0.01879	\$33,822.00								2,400,000	\$0.00107	\$2,568.00
168	Delivery Charge Next 200,000 Therms (Jan Sept.)	1,800,000	\$0.01079	\$19,422.00								2,400,000	\$0.00107	\$2,568.00
169 170	Delivery Charge > 500,000 Therms (Jan Sept.)	19,844,939 300,000	\$0.00429 \$0.05730	\$85,134.79 \$17,190.00				1,200,000	\$0.05730	\$68,760.00	\$2,709.00	22,957,460	\$0.00107	\$24,564.48
170	Delivery Charge First 100,000 Therms (Oct. forward) Delivery Charge Next 200,000 Therms (Oct. forward)	300,000 600,000	\$0.05730	\$17,190.00				2,400,000	\$0.05730 \$0.02023	\$68,760.00 \$48.552.00	\$2,709.00			
172	Delivery Charge Next 200,000 Therms (Oct. forward) Delivery Charge Next 200,000 Therms (Oct. forward)	600,000	\$0.02023	\$7,122.00				2,400,000	\$0.02023	\$28,488.00	\$1,944.00			
173	Delivery Charge > 500,000 Therms (Oct. forward)	3,112,521	\$0.00508	\$15,811.61				22,957,460	\$0.00508	\$116,623.90	\$15,677.50			
174	All Therms	28,957,460		\$239,501.39				28,957,460		\$262,423.90	\$22,922.50			
175														
176 177	Total Rate Schedule: CNGW6635 (Distribution System Transportation)			\$252,215.39						\$280,006.88	\$27,791.49			\$30,984.48
178	Rate Schedule: CNGWA901													
179	Dispatch Service Charge	12	\$500	\$6,000.00				12	\$500	\$6,000.00	\$0.00			
180	Contract Demand Charge (Jan Aug.)	3,200,000	0.0497158	\$159,090,56						,				
181	Contract Demand Charge (Sept. forward)	1,600,000	0.0499892	\$79,982.72				4,800,000	\$0.0499892	\$239,948.16	\$874.88			
182	Dispatch Delivery Charge	84,686,621	0.0002	\$16,937.32				84,686,621	\$0.0002	\$16,937.32	\$0.00			
183	Commodity Charge (Jan Aug.)	54,574,293	0.0145833	\$795,873.29										
184	Commodity Charge (Sept. forward)	30,112,328	0.0146635	\$441,552.12										
185	All Therms	84,686,621		\$1,237,425.41				84,686,621	0.0146635	\$1,241,802.27	\$4,376.86			
186 187	Total Rate Schedule: CNGWA901			\$1,499,436,01						\$1,504,687,75	\$5,251.74			
188										1-1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
189	Rate Schedule: CNGWA902													
190	Dispatch Service Charge	10	500	\$5,000.00				10	500	\$5,000.00	\$0.00			
191 192	Dispatch Service Charge Commodity Charge	360,680 360,680	0.0002 0.006023	\$72.14 \$2,172.38				360,680 360,680	0.0002 0.006023	\$72.14 \$2,172.38	\$0.00 \$0.00			
192	Commodity Charge	300,080	0.000023	\$2,172.38				300,080	0.006023	\$2,172.38	\$0.00			
194	Total Rate Schedule: CNGWA902			\$7,244.51						\$7,244.51	\$0.00			
195														
196	Rate Schedule: CNGWA903	12		0.000.5						\$6,000.00	00.77			
197 198	Dispatch Service Charge Contract Demand Charge (Jan Aug.)	2,590,000	500 0.0382022	\$6,000.00 \$98,943.70				12	500	\$6,000.00	\$0.00			
198	Contract Demand Charge (Jan Aug.) Contract Demand Charge (Sept. forward)	2,590,000 1,850,000	0.0382022	\$98,943.70				4,440,000	0.0383741	\$170,381.00	\$445.22			
200	Dispatch Delivery Charge	16,009,795	0.0383741	\$3,201.96				16,009,795	0.0383741	3201.959	\$0.00			
201	Commodity Charge (Jan Aug.)	3,527,808	0.0141348	\$49,864.86				,,//			25.00			
202	Commodity Charge (Sept. forward)	12,481,987	0.0141984	\$177,224.24										
203	All Therms	16,009,795		\$227,089.10				16,009,795	0.0141984	\$227,313.47	\$224.37			
204	T. ID. G. II. GUGWANA			0.000.000.00						********	0.00			
205	Total Rate Schedule: CNGWA903			\$406,226.85						\$406,896.44	\$669.59			

Line No.	Test Year Billing (January 1, 2016 Through	Deleting schedule	es to combine	with other		urrent Rates (11/1/201) mers and weather norm		2017 Revenue		CRM				
		Billing Determinants	_	Test Year Revenue	Billing Determinants	_		Billing Determinants	_		Adjustment	Billing Determinants	_	
1	Rate Description	(Therms/Bills)	Rate	(Margin)	(Therms/Bills) (E)	Rate	Remove/Add	(Therms/Bill)	Rate (I)	Margin	are.	(Therms/Bill)	Rate	CRM
2 3 206 207	(A)	(B)	(C)	(D) (B*C)	(E)	(F)	(G) (E*F)	(H)	(1)	(J)	(K) (J-D-G)	(L)	(M)	(N) (L*M)
207 208 209	Rate Schedule: CNGWA906 Dispatch Service Charge	12 31.762.406	500 0.0002	\$6,000.00 \$6,352.48				12 31,762,406	500 0.0002	\$6,000.00 \$6,352.48	\$0.00 \$0.00			
210 211	Dispatch Delivery Charge Contract Demand Charge (Jan Jul.) Contract Demand Charge (Aug Dec.)	700,000 500,000	0.1284983 0.1290765	\$89,948.81 \$64,538.25				1,200,000	0.1290765	\$154,891.80	\$404.74			
212 213	Commodity Charge First 100,000 therms per day (Jan Jul.) Commodity Charge Over 100,000 therms per day (Jan Jul.)	18,007,332 954,416	0.0141348	\$254,530.04 \$17,524.70				1,200,000	0.1270705	\$154,651.00	3404.74			
214	Commodity Charge First 100,000 therms per day (Aug Dec.)	12,555,239	0.0141984	\$178,264.31				30,562,571	0.0141984	\$433,939.61	\$1,145.27			
215 216	Commodity Charge Over 100,000 therms per day (Aug Dec.) All Therms	245,419 31,762,406	0.0184443	\$4,526.58 \$454,845.62				1,199,835 31,762,406	0.0184443	\$22,130.12 \$456,069.72	\$78.83 \$1,224.10			
217 218	Total Rate Schedule: CNGWA906			\$621,685.16						\$623,314.01	\$1,628.84			
219 220	Rate Schedule: CNGWA907													
221 222	Dispatch Service Charge Contract Demand Charge	4,320,000	500 0.1725	\$6,000.00 \$745,200.00				4,320,000	500 0.1725	\$6,000.00 \$745,200.00	\$0.00 \$0.00			
223 224	Total Rate Schedule: CNGWA907			\$751,200.00						\$751,200.00	\$0.00			
225 226	Rate Schedule: CNGWA908													
227 228	Dispatch Service Charge Dispatch Service Charge	12 7,333,192	500 0.0002	\$6,000.00 \$1,466.64				7,333,192	500 0.0002	\$6,000.00 \$1,466.64	\$0.00 \$0.00			
229	Commodity Charge First 22 Million/Year - Westcoast Receipt	7,333,192	0.002	\$73,331.92				7,333,192	0.002	\$73,331.92	\$0.00			
230 231	Contract Charge Total Rate Schedule: CNGWA908			\$96,861.66 \$177,660.22						\$96,861.66 \$177,660.22	\$0.00 \$0.00			
232 233	Rate Schedule: CNGWA909													
234	Dispatch Service Charge	12	500	\$6,000.00				12	500	\$6,000.00	\$0.00			
235 236	Contract Demand Charge Dispatch Delivery Charge	1,620,000 29,908,034	0.0148148	\$23,999.98 \$5,981.61				1,620,000 29,908,034	0.0148148	\$23,999.98 \$5,981.61	\$0.00 \$0.00			
237	Commodity Charge (Jan Oct.)	24,655,129	0.0002	\$385,576.63				29,908,034	0.0002	33,761.01	30.00			
238	Commodity Charge (Nov Dec.)	5,252,905	0.0150445	\$79,027.33										
239 240	All Therms	29,908,034		\$464,603.96				29,908,034	0.0150445	\$449,951.42	-\$14,652.54			
241 242	Total Rate Schedule: CNGWA909			\$500,585.54						\$485,933.00	(\$14,652.54)			
243	Rate Schedule: CNGWA910													
244 245	Dispatch Service Charge Contract Demand Charge	12 444,000	500 0.0608108	\$6,000.00 \$27,000.00				12 444,000	500 0.0608108	\$6,000.00 \$27,000.00	\$0.00 \$0.00			
246	Dispatch Delivery Charge	7,798,740	0.0002	\$1,559.75				7,798,740	0.0002	\$1,559.75	\$0.00			
247 248	Commodity Charge (Jan Oct.) Commodity Charge (Nov Dec.)	6,128,340 1,670,400	0.0109776 0.0110874	\$67,274.47 \$18,520.39										
249	All Therms	7,798,740	0.0110074	\$85,794.86				7,798,740	0.0110874	\$86,467.75	\$672.89			
250 251	Total Rate Schedule: CNGWA910			\$120,354.60						\$121,027.49	\$672.89			
252 253	Rate Schedule: CNGWA911													
254	Dispatch Service Charge	12	500	\$6,000.00				12	500	\$6,000.00	\$0.00			
255 256	Contract Demand Charge Dispatch Delivery Charge	312,000 5.023.084	0.1519231	\$47,400.01 \$1,004.62				312,000 5,023,084	0.1519231 0.0002	\$47,400.01 \$1,004.62	\$0.00 \$0.00			
257	Commodity Charge (Jan Oct.)	4,216,181	0.0167856	\$70,771.13				3,023,004	0.0002	31,004.02	30.00			
258 259	Commodity Charge (Nov Dec.) All Therms	806,903 5,023,084	0.0169535	\$13,679.83 \$84,450.96				5,023,084	0.0169535	\$85,158.85	\$707.90			
260 261		2,-2,		\$138,855,58				2,020,000		\$139,563.48	\$707.90			
262	Total Rate Schedule: CNGWA911			\$138,833.38						\$139,503.48	\$707.90			
263 264	Rate Schedule: CNGWA914 Dispatch Service Charge	12	500	\$6,000.00				12	500	\$6,000.00	\$0.00			
265	Contract Demand Charge	804,000	0.1003731	\$80,699.97				804,000	0.1003731	\$80,699.97	\$0.00			
266 267	Dispatch Delivery Charge Commodity Charge (Jan Oct.)	13,270,633	0.0002 0.010267	\$2,654.13 \$112.861.24				13,270,633	0.0002	\$2,654.13	\$0.00			
268	Commodity Charge (Nov Dec.)	2,278,012	0.010267	\$23,622.30										
269 270	All Therms	13,270,633		\$136,483.54				13,270,633	0.0103697	\$137,612.48	\$1,128.94			
271	Total Rate Schedule: CNGWA914			\$225,837.64						\$226,966.58	\$1,128.94			
272 273	Rate Schedule: CNGWA915													
274 275	Dispatch Service Charge	7 98 000	500 0.1535714	\$3,500.00 \$15,050.00				7	500 0.1535714	\$3,500.00 \$15,050.00	\$0.00 \$0.00			
275 276	Contract Demand Charge Dispatch Delivery Charge	98,000 2,838,426	0.1535714 0.0002	\$15,050.00 \$567.69				98,000 2,838,426	0.1535714	\$15,050.00 \$567.69	\$0.00 \$0.00			
277	Commodity Charge	2,838,426	0.010267	\$29,142.12				2,838,426	0.0102670	\$29,142.12	\$0.00			
278 279	Total Rate Schedule: CNGWA915			\$48,259.80						\$48,259.80	\$0.00			

Line No.	Test Year Billing (January 1, 2016 Through December 31, 2016)				Deleting schedul	es to combine	with other		nrrent Rates (11/1/2016 mers and weather norma		2017 Revenue	CRM			
1	Rate Description	Billing Determinants (Therms/Bills)	Rate	Test Year Revenue (Margin)	Billing Determinants (Therms/Bills)	Rate	Remove/Add	Billing Determinants (Therms/Bill)	Rate	Margin	Adjustment	Billing Determinants (Therms/Bill)	Rate	CRM	
2	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	
3				(B*C)			(E*F)				(J-D-G)			(L*M)	
280															
281	Rate Schedule: CNGWA916														
282	Basic Service Charge	12	500					12	500	\$6,000.00	\$0.00				
283	Contract Demand Charge (Jan Sept.)	2,700,000	0.15												
284	Contract Demand Charge (Oct. forward)	900,000	0.2					3,600,000	0.2	\$720,000.00	\$135,000.00				
	Dispatch Service Charge (Jan Sept.)	75,677,677	0.0002	\$15,135.54											
	System Balancing Charge (Oct. forward)	11,931,700	0.0004					87,609,377	0.0004	\$35,043.75	\$15,135.54				
	Delivery Charge First 100,000 Therms (Jan Sept.)	900,000	\$0.05429												
	Delivery Charge Next 200,000 Therms (Jan Sept.)	1,800,000 1.800,000	\$0.01879 \$0.01079	\$33,822.00											
	Delivery Charge Next 200,000 Therms (Jan Sept.) Delivery Charge > 500,000 Therms (Jan Sept.)	71,177,677	\$0.01079	\$19,422.00 \$147,502.26											
	Delivery Charge > 500,000 Therms (Jan Sept.) Delivery Charge First 100,000 Therms (Oct. forward)	71,177,677	\$0.00429	\$147,502.26 \$17,190.00				1,200,000	\$0.05730	\$68,760.00	\$2,709.00				
	Delivery Charge Pirst 100,000 Therms (Oct. forward) Delivery Charge Next 200,000 Therms (Oct. forward)	530,920	\$0.03730	\$17,190.00				2,330,920	\$0.02023	\$47,154,51	\$2,709.00				
	Delivery Charge Next 200,000 Therms (Oct. forward) Delivery Charge Next 200,000 Therms (Oct. forward)	400.000	\$0.02023	\$4,748.00				2,330,920	\$0.02023	\$26,114.00	\$1,944.00				
	Delivery Charge > 500,000 Therms (Oct. forward)	10,700,780	\$0.00508	\$212,209,94				81.878.457	\$0.00508	\$415,942.56	\$56,230,36				
295	All Therms	87,609,377	30.00508	\$494,495,71				87,609,377	30.00500	\$557,971.07	\$63,475.36				
296	All Highlis	67,000,577		\$474,475.71				67,007,577		\$557,571.07	303,473.30				
297	Total Rate Schedule: CNGWA916			\$1,105,403.93						\$1,319,014.82	\$213,610.90				
298 299 300													·		
301	Total Margin Rate Revenue	932,694,745		\$81,992,995.70	-		(3,144)	955,107,384		\$91,672,990.25	\$9,679,995			\$2,012,842.59	
302															
303															
304															
305										nue with Current Rates	\$9,679,995				
306 307								I.		ation Adjustment in R-1 Annual CRM Revenue	-\$4,313,453 \$2,012,843				
307								ī		enue in 2016 Test Year	-\$264.060				
309								1		16 Decoupling Deferral	\$189.011				
310										evenue Adjustment	\$7,304,336				
510											\$7,004,000				