

Exhibit No. __ (RJA-6)
Docket No. UG-17____
Witness: Ronald J. Amen

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,
Complainant,

v.

CASCADE NATURAL GAS
CORPORATION,
Respondent.

DOCKET UG-17_____

CASCADE NATURAL GAS CORPORATION

EXHIBIT OF RONALD J. AMEN

IMPACT OF RECOMMENDED RATE CHANGES

July 31, 2017

Residential - 503

Line No.	(a)	(b)	(c)	(d)	(e)
		Present Rates	Proposed Rates		
1	Basic Service Charge	\$4.00	\$6.00		
2	Delivery Charge w/ CRM	\$0.29484	\$0.30497		
3	PGA Rate	\$0.49569	\$0.49569		
	Monthly Consumption (therms)	Revenue at Present Rates	Revenue at Proposed Rates	Revenue Change	
				Amount	Percent
4	0	\$4.00	\$6.00	\$2.00	50.00%
5	25	\$23.76	\$26.02	\$2.25	9.48%
6	30	\$27.72	\$30.02	\$2.30	8.31%
7	35	\$31.67	\$34.02	\$2.35	7.43%
8	40	\$35.62	\$38.03	\$2.41	6.75%
9	45	\$39.57	\$42.03	\$2.46	6.21%
10	50	\$43.53	\$46.03	\$2.51	5.76%
11	60	\$51.43	\$54.04	\$2.61	5.07%
12	70	\$59.34	\$62.05	\$2.71	4.57%
13	80	\$67.24	\$70.05	\$2.81	4.18%
14	90	\$75.15	\$78.06	\$2.91	3.87%
15	100	\$83.05	\$86.07	\$3.01	3.63%
16	110	\$90.96	\$94.07	\$3.11	3.42%
17	120	\$98.86	\$102.08	\$3.22	3.25%
18	130	\$106.77	\$110.09	\$3.32	3.11%
19	140	\$114.67	\$118.09	\$3.42	2.98%
20	150	\$122.58	\$126.10	\$3.52	2.87%
21	160	\$130.48	\$134.11	\$3.62	2.77%
22	170	\$138.39	\$142.11	\$3.72	2.69%
23	180	\$146.30	\$150.12	\$3.82	2.61%
24	190	\$154.20	\$158.13	\$3.92	2.55%
25	200	\$162.11	\$166.13	\$4.03	2.48%
26	210	\$170.01	\$174.14	\$4.13	2.43%
27	220	\$177.92	\$182.15	\$4.23	2.38%
28	230	\$185.82	\$190.15	\$4.33	2.33%
29	240	\$193.73	\$198.16	\$4.43	2.29%
30	250	\$201.63	\$206.17	\$4.53	2.25%

Commercial - 504

Line No.	(a)	(b)		(d)		(e)	(f)
		Present Rates	Proposed Rates	Present Rates	Proposed Rates		
1	Basic Service Charge	\$10.00	\$15.00				
2	Delivery Charge w/ CRM	\$0.25201	\$0.23313				
3	PGA Rate	\$0.49304	\$0.49304				

	Monthly Consumption (therms)	Revenue at	Revenue at	Revenue Change	
		Present Rates	Proposed Rates	Amount	Percent
4	0	\$10.00	\$15.00	\$5.00	50.00%
5	50	\$47.25	\$51.31	\$4.06	8.58%
6	60	\$54.70	\$58.57	\$3.87	7.07%
7	70	\$62.15	\$65.83	\$3.68	5.92%
8	80	\$69.60	\$73.09	\$3.49	5.01%
9	90	\$77.05	\$80.36	\$3.30	4.28%
10	100	\$84.51	\$87.62	\$3.11	3.68%
11	110	\$91.96	\$94.88	\$2.92	3.18%
12	120	\$99.41	\$102.14	\$2.73	2.75%
13	130	\$106.86	\$109.40	\$2.55	2.38%
14	140	\$114.31	\$116.66	\$2.36	2.06%
15	150	\$121.76	\$123.93	\$2.17	1.78%
16	160	\$129.21	\$131.19	\$1.98	1.53%
17	170	\$136.66	\$138.45	\$1.79	1.31%
18	180	\$144.11	\$145.71	\$1.60	1.11%
19	190	\$151.56	\$152.97	\$1.41	0.93%
20	200	\$159.01	\$160.23	\$1.22	0.77%
21	250	\$196.26	\$196.54	\$0.28	0.14%
22	300	\$233.52	\$232.85	-\$0.66	-0.28%
23	350	\$270.77	\$269.16	-\$1.61	-0.59%
24	400	\$308.02	\$305.47	-\$2.55	-0.83%
25	450	\$345.27	\$341.78	-\$3.50	-1.01%
26	500	\$382.53	\$378.09	-\$4.44	-1.16%
27	600	\$457.03	\$450.70	-\$6.33	-1.38%
28	700	\$531.54	\$523.32	-\$8.22	-1.55%
29	800	\$606.04	\$595.94	-\$10.10	-1.67%
30	1,000	\$755.05	\$741.17	-\$13.88	-1.84%
31	1,250	\$941.31	\$922.71	-\$18.60	-1.98%
32	1,500	\$1,127.58	\$1,104.26	-\$23.32	-2.07%
33	1,750	\$1,313.84	\$1,285.80	-\$28.04	-2.13%
34	2,000	\$1,500.10	\$1,467.34	-\$32.76	-2.18%
35	2,500	\$1,872.63	\$1,830.43	-\$42.20	-2.25%
36	3,000	\$2,245.15	\$2,193.51	-\$51.64	-2.30%
37	3,500	\$2,617.68	\$2,556.60	-\$61.08	-2.33%
38	4,000	\$2,990.20	\$2,919.68	-\$70.52	-2.36%

Industrial - 505

Line No.	(a)	(b)		(d)		(e)	(f)
		Present Rates	Proposed Rates	Present Rates	Proposed Rates		
1	Basic Service Charge		\$48.00		\$75.00		
2	Delivery Charge w/ CRM						
3	First 500 therms		\$0.19295		\$0.17779		
4	Next 3,500 therms		\$0.15627		\$0.14399		
5	Over 4,000 therms		\$0.15072		\$0.13888		
6	PGA Rate		\$0.47993		\$0.47993		
		Monthly Consumption (therms)	Revenue at Present Rates	Revenue at Proposed Rates	Revenue Change		
					Amount	Percent	
7		0	\$48.00	\$75.00	\$27.00	56.25%	
8		100	\$115.29	\$140.77	\$25.48	22.10%	
9		200	\$182.58	\$206.54	\$23.97	13.13%	
10		300	\$249.86	\$272.32	\$22.45	8.99%	
11		400	\$317.15	\$338.09	\$20.94	6.60%	
12		500	\$384.44	\$403.86	\$19.42	5.05%	
13		600	\$448.06	\$466.25	\$18.19	4.06%	
14		700	\$511.68	\$528.64	\$16.96	3.32%	
15		800	\$575.30	\$591.04	\$15.74	2.74%	
16		900	\$638.92	\$653.43	\$14.51	2.27%	
17		1,000	\$702.54	\$715.82	\$13.28	1.89%	
18		1,100	\$766.16	\$778.21	\$12.05	1.57%	
19		1,200	\$829.78	\$840.60	\$10.82	1.30%	
20		1,300	\$893.40	\$903.00	\$9.60	1.07%	
21		1,400	\$957.02	\$965.39	\$8.37	0.87%	
22		1,500	\$1,020.64	\$1,027.78	\$7.14	0.70%	
23		2,000	\$1,338.74	\$1,339.74	\$1.00	0.07%	
24		2,500	\$1,656.84	\$1,651.70	-\$5.14	-0.31%	
25		3,000	\$1,974.94	\$1,963.66	-\$11.28	-0.57%	
26		3,500	\$2,293.04	\$2,275.62	-\$17.42	-0.76%	
27		4,000	\$2,611.14	\$2,587.58	-\$23.56	-0.90%	
28		5,000	\$3,241.79	\$3,206.39	-\$35.40	-1.09%	
29		6,000	\$3,872.44	\$3,825.20	-\$47.24	-1.22%	
30		7,000	\$4,503.09	\$4,444.01	-\$59.08	-1.31%	
31		8,000	\$5,133.74	\$5,062.82	-\$70.92	-1.38%	
32		9,000	\$5,764.39	\$5,681.63	-\$82.76	-1.44%	
33		10,000	\$6,395.04	\$6,300.44	-\$94.60	-1.48%	
34		12,500	\$7,971.67	\$7,847.47	-\$124.20	-1.56%	
35		15,000	\$9,548.29	\$9,394.49	-\$153.80	-1.61%	
36		17,500	\$11,124.92	\$10,941.52	-\$183.40	-1.65%	
37		20,000	\$12,701.54	\$12,488.54	-\$213.00	-1.68%	
38		25,000	\$15,854.79	\$15,582.59	-\$272.20	-1.72%	
39		30,000	\$19,008.04	\$18,676.64	-\$331.40	-1.74%	
40		35,000	\$22,161.29	\$21,770.69	-\$390.60	-1.76%	
41		40,000	\$25,314.54	\$24,864.74	-\$449.80	-1.78%	
42		45,000	\$28,467.79	\$27,958.79	-\$509.00	-1.79%	
43		50,000	\$31,621.04	\$31,052.84	-\$568.20	-1.80%	
44		60,000	\$37,927.54	\$37,240.94	-\$686.60	-1.81%	
45		70,000	\$44,234.04	\$43,429.04	-\$805.00	-1.82%	
46		80,000	\$50,540.54	\$49,617.14	-\$923.40	-1.83%	
47		90,000	\$56,847.04	\$55,805.24	-\$1,041.80	-1.83%	
48		100,000	\$63,153.54	\$61,993.34	-\$1,160.20	-1.84%	

Large Volume - 511

Line No.	(a)	(b)		(d)		(e)	(f)
		Present Rates	Proposed Rates	Present Rates	Proposed Rates		
1	Basic Service Charge	\$100.00	\$200.00				
2	Delivery Charge w/ CRM						
3	First 20,000 therms	\$0.15159	\$0.14028				
4	Next 80,000 therms	\$0.11620	\$0.10753				
5	Over 100,000 therms	\$0.02866	\$0.02652				
6	PGA Rate	\$0.47993	\$0.47993				
		Monthly Consumption (therms)	Revenue at Present Rates	Revenue at Proposed Rates	Revenue Change		
					Amount	Percent	
7	0	\$100.00	\$200.00	\$100.00		100.00%	
8	1,000	\$731.52	\$820.21	\$88.69		12.12%	
9	2,000	\$1,363.04	\$1,440.42	\$77.38		5.68%	
10	3,000	\$1,994.56	\$2,060.63	\$66.07		3.31%	
11	4,000	\$2,626.08	\$2,680.84	\$54.76		2.09%	
12	5,000	\$3,257.60	\$3,301.05	\$43.45		1.33%	
13	8,000	\$5,152.16	\$5,161.68	\$9.52		0.18%	
14	11,000	\$7,046.72	\$7,022.31	-\$24.41		-0.35%	
15	14,000	\$8,941.28	\$8,882.94	-\$58.34		-0.65%	
16	17,000	\$10,835.84	\$10,743.57	-\$92.27		-0.85%	
17	20,000	\$12,730.40	\$12,604.20	-\$126.20		-0.99%	
18	23,000	\$14,518.79	\$14,366.58	-\$152.21		-1.05%	
19	26,000	\$16,307.18	\$16,128.96	-\$178.22		-1.09%	
20	29,000	\$18,095.57	\$17,891.34	-\$204.23		-1.13%	
21	32,000	\$19,883.96	\$19,653.72	-\$230.24		-1.16%	
22	35,000	\$21,672.35	\$21,416.10	-\$256.25		-1.18%	
23	40,000	\$24,653.00	\$24,353.40	-\$299.60		-1.22%	
24	45,000	\$27,633.65	\$27,290.70	-\$342.95		-1.24%	
25	50,000	\$30,614.30	\$30,228.00	-\$386.30		-1.26%	
26	55,000	\$33,594.95	\$33,165.30	-\$429.65		-1.28%	
27	60,000	\$36,575.60	\$36,102.60	-\$473.00		-1.29%	
28	67,500	\$41,046.58	\$40,508.55	-\$538.03		-1.31%	
29	75,000	\$45,517.55	\$44,914.50	-\$603.05		-1.32%	
30	82,500	\$49,988.53	\$49,320.45	-\$668.08		-1.34%	
31	90,000	\$54,459.50	\$53,726.40	-\$733.10		-1.35%	
32	100,000	\$60,420.80	\$59,601.00	-\$819.80		-1.36%	
33	110,000	\$65,506.70	\$64,665.50	-\$841.20		-1.28%	
34	120,000	\$70,592.60	\$69,730.00	-\$862.60		-1.22%	
35	130,000	\$75,678.50	\$74,794.50	-\$884.00		-1.17%	
36	140,000	\$80,764.40	\$79,859.00	-\$905.40		-1.12%	
37	150,000	\$85,850.30	\$84,923.50	-\$926.80		-1.08%	
38	165,000	\$93,479.15	\$92,520.25	-\$958.90		-1.03%	
39	180,000	\$101,108.00	\$100,117.00	-\$991.00		-0.98%	
40	195,000	\$108,736.85	\$107,713.75	-\$1,023.10		-0.94%	
41	210,000	\$116,365.70	\$115,310.50	-\$1,055.20		-0.91%	
42	225,000	\$123,994.55	\$122,907.25	-\$1,087.30		-0.88%	
43	250,000	\$136,709.30	\$135,568.50	-\$1,140.80		-0.83%	
44	275,000	\$149,424.05	\$148,229.75	-\$1,194.30		-0.80%	
45	300,000	\$162,138.80	\$160,891.00	-\$1,247.80		-0.77%	
46	325,000	\$174,853.55	\$173,552.25	-\$1,301.30		-0.74%	
47	350,000	\$187,568.30	\$186,213.50	-\$1,354.80		-0.72%	
48	375,000	\$200,283.05	\$198,874.75	-\$1,408.30		-0.70%	

Interruptible - 570

Line No.	(a)	(b)	(d)	(e)	(f)
		Present Rates	Proposed Rates		
1	Basic Service Charge	\$130.00	\$500.00		
2	Delivery Charge w/ CRM				
3	First 30,000 therms	\$0.08363	\$0.09426		
4	Over 30,000 therms	\$0.02381	\$0.02684		
5	PGA Rate	\$0.46687	\$0.46687		
	Monthly Consumption (therms)	Revenue at Present Rates	Revenue at Proposed Rates	Revenue Change	
				Amount	Percent
6	0	\$130.00	\$500.00	\$370.00	284.62%
7	5,000	\$2,882.50	\$3,305.65	\$423.15	14.68%
8	5,500	\$3,157.75	\$3,586.22	\$428.47	13.57%
9	6,000	\$3,433.00	\$3,866.78	\$433.78	12.64%
10	6,500	\$3,708.25	\$4,147.35	\$439.10	11.84%
11	7,000	\$3,983.50	\$4,427.91	\$444.41	11.16%
12	7,500	\$4,258.75	\$4,708.48	\$449.73	10.56%
13	8,000	\$4,534.00	\$4,989.04	\$455.04	10.04%
14	8,500	\$4,809.25	\$5,269.61	\$460.36	9.57%
15	9,000	\$5,084.50	\$5,550.17	\$465.67	9.16%
16	9,500	\$5,359.75	\$5,830.74	\$470.99	8.79%
17	10,500	\$5,910.25	\$6,391.87	\$481.62	8.15%
18	11,500	\$6,460.75	\$6,953.00	\$492.25	7.62%
19	12,500	\$7,011.25	\$7,514.13	\$502.88	7.17%
20	13,500	\$7,561.75	\$8,075.26	\$513.51	6.79%
21	14,500	\$8,112.25	\$8,636.39	\$524.14	6.46%
22	16,000	\$8,938.00	\$9,478.08	\$540.08	6.04%
23	17,000	\$9,488.50	\$10,039.21	\$550.71	5.80%
24	18,000	\$10,039.00	\$10,600.34	\$561.34	5.59%
25	19,000	\$10,589.50	\$11,161.47	\$571.97	5.40%
26	20,000	\$11,140.00	\$11,722.60	\$582.60	5.23%
27	22,000	\$12,241.00	\$12,844.86	\$603.86	4.93%
28	24,000	\$13,342.00	\$13,967.12	\$625.12	4.69%
29	26,000	\$14,443.00	\$15,089.38	\$646.38	4.48%
30	28,000	\$15,544.00	\$16,211.64	\$667.64	4.30%
31	30,000	\$16,645.00	\$17,333.90	\$688.90	4.14%
32	35,000	\$19,098.40	\$19,802.45	\$704.05	3.69%
33	40,000	\$21,551.80	\$22,271.00	\$719.20	3.34%
34	45,000	\$24,005.20	\$24,739.55	\$734.35	3.06%
35	50,000	\$26,458.60	\$27,208.10	\$749.50	2.83%
36	55,000	\$28,912.00	\$29,676.65	\$764.65	2.64%
37	65,000	\$33,818.80	\$34,613.75	\$794.95	2.35%
38	75,000	\$38,725.60	\$39,550.85	\$825.25	2.13%
39	85,000	\$43,632.40	\$44,487.95	\$855.55	1.96%
40	95,000	\$48,539.20	\$49,425.05	\$885.85	1.83%
41	105,000	\$53,446.00	\$54,362.15	\$916.15	1.71%
42	120,000	\$60,806.20	\$61,767.80	\$961.60	1.58%
43	135,000	\$68,166.40	\$69,173.45	\$1,007.05	1.48%
44	150,000	\$75,526.60	\$76,579.10	\$1,052.50	1.39%
45	165,000	\$82,886.80	\$83,984.75	\$1,097.95	1.32%
46	180,000	\$90,247.00	\$91,390.40	\$1,143.40	1.27%
47	195,000	\$97,607.20	\$98,796.05	\$1,188.85	1.22%