

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,

Complainant,

v.

CASCADE NATURAL GAS
CORPORATION,

Respondent.

DOCKET UG-21 ____

**CASCADE NATURAL GAS CORPORATION
THIRD EXHIBIT (NONCONFIDENTIAL) TO THE
DIRECT TESTIMONY OF**

PAMELA J. ARCHER

**REVISED
DECEMBER 8, 2021**

September 30, 2021

Cascade Natural Gas Corp.
Washington Jurisdiction
Twelve-Months ended December 31, 2020

Line No	Monthly Consumption	Bill at Present	Bill at Proposed	Revenue Change	Revenue Change
	(therms)	Rates	Rates	Amount	Percent
	A	B	C	D	E
1	<i>Residential - 503</i>				
2	-	\$5.00	\$5.00	\$0.00	0.00%
3	25	\$27.79	\$29.13	\$1.34	4.82%
4	30	\$32.35	\$33.96	\$1.61	4.97%
5	35	\$36.91	\$38.7 89	\$1.8 78	5.0 89 %
6	40	\$41.47	\$43.61	\$2.1 45	5.1 67 %
7	45	\$46.03	\$48.4 34	\$2.41	5.2 34 %
8	50	\$50.58	\$53.2 67	\$2.68	5.2 930 %
9	60	\$59.70	\$62.9 12	\$3.2 12	5.3 89 %
10	70	\$68.82	\$72.57	\$3.75	5.4 45 %
11	80	\$77.94	\$82.2 23	\$4.2 89	5.4 950 %
12	90	\$87.05	\$91.8 78	\$4.8 23	5.5 34 %
13	100	\$96.17	\$101.5 23	\$5.3 56	5.5 78 %
14	110	\$105.29	\$111.1 79	\$5.8 990	5.5 960 %
15	120	\$114.40	\$120.8 34	\$6.4 24	5.6 13 %
16	130	\$123.52	\$130.4 89	\$6.9 67	5.6 34 %
17	140	\$132.64	\$140.1 35	\$7.4 951	5.6 56 %
18	150	\$141.75	\$149.7 880	\$8.0 34	5.6 67 %
19	160	\$150.87	\$159.4 45	\$8.5 68	5.6 89 %
20	170	\$159.99	\$169.0 910	\$9.1 02	5.6 970 %
21	180	\$169.11	\$178.7 46	\$9.6 35	5.7 01 %
22	190	\$178.22	\$188.3 941	\$10.1 79	5.7 12 %
23	200	\$187.34	\$198.0 46	\$10.7 03	5.7 13 %
24	210	\$196.46	\$207.7 02	\$11.2 46	5.7 23 %
25	220	\$205.57	\$217.3 57	\$11.7 880	5.7 34 %
26	230	\$214.69	\$227.0 02	\$12.3 13	5.7 35 %
27	240	\$223.81	\$236.6 58	\$12.8 57	5.7 45 %
28	250	\$232.92	\$246.3 03	\$13.3 841	5.7 46 %
29	54	\$54.08	\$56.9 67	\$2.8 89	5.3 34 %

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Cascade Natural Gas Corp.
Washington Jurisdiction
Twelve-Months ended December 31, 2020

Line No	Monthly	Bill at Present	Bill at Proposed	Revenue Change	Revenue Change
	Consumption (therms)	Rates	Rates	Amount	Percent
	A	B	C	D	E
30	<i>General Commercial - 504</i>				
31	-	\$13.00	\$13.00	\$0.00	0.00%
32	50	\$55.21	\$57.46	\$2.25	4.078%
33	60	\$63.65	\$66.35	\$2.70	4.245%
34	70	\$72.09	\$75.24	\$3.15	4.378%
35	80	\$80.53	\$84.134	\$3.604	4.478%
36	90	\$88.97	\$93.023	\$4.056	4.556%
37	100	\$97.41	\$101.912	\$4.504	4.623%
38	110	\$105.85	\$110.801	\$4.956	4.678%
39	120	\$114.30	\$119.6970	\$5.404	4.723%
40	130	\$122.74	\$128.5860	\$5.856	4.767%
41	140	\$131.18	\$137.489	\$6.304	4.804%
42	150	\$139.62	\$146.378	\$6.756	4.834%
43	160	\$148.06	\$155.267	\$7.204	4.867%
44	170	\$156.50	\$164.156	\$7.656	4.8990%
45	180	\$164.94	\$173.046	\$8.104	4.912%
46	190	\$173.38	\$181.935	\$8.556	4.934%
47	200	\$181.83	\$190.824	\$9.004	4.956%
48	250	\$224.03	\$235.2830	\$11.257	5.023%
49	300	\$266.24	\$279.736	\$13.4952	5.078%
50	350	\$308.45	\$324.1922	\$15.747	5.104%
51	400	\$350.65	\$368.658	\$17.9918.03	5.134%
52	450	\$392.86	\$413.104	\$20.248	5.156%
53	500	\$435.07	\$457.5660	\$22.4953	5.178%
54	600	\$519.48	\$546.4752	\$26.9927.04	5.204%
55	700	\$603.89	\$635.3844	\$31.4955	5.212%
56	800	\$688.30	\$724.2936	\$36.0635.99	5.234%
57	1,000	\$857.13	\$902.1120	\$45.0744.98	5.256%
58	1,250	\$1,068.16	\$1,124.3950	\$56.2334	5.267%
59	1,500	\$1,279.20	\$1,346.6780	\$67.4760	5.278%
60	1,750	\$1,490.23	\$1,568.959.10	\$78.7287	5.289%
61	2,000	\$1,701.26	\$1,791.2340	\$90.1489.97	5.2930%
62	2,500	\$2,123.33	\$2,235.786.00	\$112.4667	5.304%
63	3,000	\$2,545.39	\$2,680.3460	\$134.955.21	5.304%
64	3,500	\$2,967.46	\$3,124.895.20	\$157.4474	5.312%
65	4,000	\$3,389.52	\$3,569.4580	\$179.9380.28	5.312%
66	271	\$242.11	\$254.3234	\$12.213	5.045%

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Cascade Natural Gas Corp.
Washington Jurisdiction
Twelve-Months ended December 31, 2020

Line No	Monthly Consumption	Bill at Present	Bill at Proposed	Revenue Change	Revenue Change
	(therms)	Rates	Rates	Amount	Percent
	A	B	C	D	E
67	<i>Industrial - Firm 505</i>				
68	-	\$60.00	\$60.00	\$0.00	0.00%
69	200	\$216.46	\$223.42	\$6.9 45	3.21%
70	400	\$372.93	\$386.83	\$13.8 890	3.7 23 %
71	600	\$525.72	\$545.94	\$20.1 923	3.8 45 %
72	800	\$674.83	\$700.74	\$25.8 792	3.8 34 %
73	1,000	\$823.94	\$855.54	\$31.5 561	3.8 34 %
74	1,200	\$973.05	\$1,010.34	\$37.2 330	3.8 33 %
75	1,400	\$1,122.16	\$1,165.14	\$42.9 19	3.8 23 %
76	1,600	\$1,271.27	\$1,319.95	\$48.5 968	3.8 23 %
77	1,800	\$1,420.38	\$1,474.75	\$54.2 737	3.8 23 %
78	2,000	\$1,569.49	\$1,629.55	\$59.9 560.06	3.8 23 %
79	2,500	\$1,942.26	\$2,016.55	\$74.1 529	3.82%
80	3,000	\$2,315.04	\$2,403.55	\$88.3 552	3.82%
81	3,500	\$2,687.81	\$2,790.56	\$102.5 575	3.82%
82	4,000	\$3,060.59	\$3,177.56	\$116.7 597	3.8 12 %
83	4,500	\$3,430.58	\$3,561.30	\$130.4 772	3.8 01 %
84	5,000	\$3,800.58	\$3,945.05	\$144.2 048	3.7 980 %
85	6,000	\$4,540.57	\$4,712.54	\$171.6 498	3.7 89 %
86	7,000	\$5,280.56	\$5,480.03	\$199.0 948	3.7 78 %
87	8,000	\$6,020.55	\$6,247.53	\$226.5 498	3.7 67 %
88	9,000	\$6,760.54	\$7,015.02	\$253.9 994.48	3.76%
89	10,000	\$7,500.53	\$7,782.51	\$281.4 498	3.7 56 %
90	12,500	\$9,350.50	\$9,701.24	\$350.0 674	3.7 45 %
91	15,000	\$11,200.48	\$11,619.97	\$418.6 89.49	3.7 45 %
92	17,500	\$13,050.45	\$13,538.70	\$487.3 08.25	3.7 34 %
93	20,000	\$14,900.43	\$15,457.43	\$555.9 27.00	3.7 34 %
94	22,500	\$16,750.40	\$17,376.16	\$624.5 55.76	3.7 34 %
95	25,000	\$18,600.38	\$19,294.88	\$693.1 74.51	3.73%
96	27,500	\$20,450.35	\$21,213.61	\$761.7 93.26	3.73%
97	30,000	\$22,300.33	\$23,132.34	\$830.4 12.02	3.7 23 %
98	32,500	\$24,150.30	\$25,051.07	\$899.0 3900.77	3.7 23 %
99	35,000	\$26,000.28	\$26,969.80	\$967.6 659.53	3.7 23 %
100	40,000	\$29,700.23	\$30,807.26	\$1,104.9 07.04	3.7 23 %
101	50,000	\$37,100.13	\$38,482.18	\$1,379.3 882.05	3.7 23 %
102	60,000	\$44,500.03	\$46,157.10	\$1,653.8 757.07	3.72%
103	70,000	\$51,899.93	\$53,832.01	\$1,928.3 532.09	3.72%
104	80,000	\$59,299.83	\$61,506.93	\$2,202.8 407.11	3.7 12 %
105	1,992	\$1,563.89	\$1,623.74	\$59.7 385	3.8 23 %

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Cascade Natural Gas Corp.
 Washington Jurisdiction
 Twelve-Months ended December 31, 2020

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Line No	Monthly Consumption (therms)	Bill at Present Rates	Bill at Proposed Rates	Revenue Change Amount	Revenue Change Percent
	A	B	C	D	E
106	<i>Large Volume General Service - 511</i>				
107	-	\$125.00	\$125.00	\$0.00	0.00%
108	1,000	\$860.84	\$888.56	\$27.66	3.22%
109	2,000	\$1,596.68	\$1,652.40	\$55.33	3.47%
110	3,000	\$2,332.52	\$2,415.67	\$82.99	3.56%
111	4,000	\$3,068.36	\$3,179.22	\$110.65	3.61%
112	5,000	\$3,804.20	\$3,942.78	\$138.31	3.64%
113	8,000	\$6,011.72	\$6,233.45	\$221.30	3.68%
114	11,000	\$8,219.24	\$8,524.40	\$304.29	3.70%
115	14,000	\$10,426.76	\$10,814.79	\$387.28	3.72%
116	17,000	\$12,634.28	\$13,105.45	\$470.26	3.72%
117	20,000	\$14,841.80	\$15,396.12	\$553.25	3.73%
118	23,000	\$16,940.60	\$17,558.23	\$617.63	3.65%
119	26,000	\$19,039.40	\$19,721.41	\$682.01	3.59%
120	29,000	\$21,138.20	\$21,884.59	\$746.39	3.55%
121	32,000	\$23,237.00	\$24,047.77	\$810.77	3.50%
122	35,000	\$25,335.80	\$26,210.95	\$875.15	3.46%
123	40,000	\$28,833.80	\$29,816.25	\$982.45	3.41%
124	45,000	\$32,331.80	\$33,421.55	\$1,099.75	3.38%
125	50,000	\$35,829.80	\$37,026.85	\$1,197.05	3.35%
126	55,000	\$39,327.80	\$40,634.68	\$1,304.36	3.32%
127	60,000	\$42,825.80	\$44,240.19	\$1,411.66	3.30%
128	67,500	\$48,072.80	\$49,645.41	\$1,575.65	3.28%
129	75,000	\$53,319.80	\$55,053.36	\$1,733.56	3.26%
130	82,500	\$60,761.13	\$63,031.19	\$2,270.06	3.74%
131	90,000	\$65,067.70	\$67,347.76	\$2,270.06	3.50%
132	100,000	\$70,809.80	\$73,079.86	\$2,270.06	3.21%
133	110,000	\$76,909.30	\$79,240.53	\$2,331.23	3.03%
134	120,000	\$83,008.80	\$85,401.20	\$2,392.40	2.89%
135	130,000	\$89,108.30	\$91,561.87	\$2,453.57	2.76%
136	140,000	\$95,207.80	\$97,722.53	\$2,514.73	2.65%
137	150,000	\$101,307.30	\$103,883.20	\$2,575.90	2.55%
138	165,000	\$110,456.55	\$113,124.20	\$2,667.65	2.42%
139	180,000	\$119,605.80	\$122,365.21	\$2,759.41	2.31%
140	195,000	\$128,755.05	\$131,611.73	\$2,851.16	2.22%
141	210,000	\$137,904.30	\$140,847.21	\$2,942.91	2.14%
142	225,000	\$147,053.55	\$150,088.21	\$3,040.54	2.07%
143	250,000	\$162,302.30	\$165,489.88	\$3,187.58	1.97%
144	16,639	\$12,368.41	\$12,828.67	\$460.27	3.73%

Cascade Natural Gas Corp.
Washington Jurisdiction
Twelve-Months ended December 31, 2020

REVISED
DECEMBER 8, 2021

Line No	Monthly Consumption (therms)	Bill at Present Rates	Bill at Proposed Rates	Revenue Change Amount	Revenue Change Percent
	A	B	C	D	E
145	<i>Interruptible Service - 570</i>				
146	-	\$163.00	\$163.00	\$0.00	0.00%
147	1,000	\$847.92	\$863. <u>39</u> 42	\$15. <u>50</u> 47	1.8 <u>3</u> 2 %
148	2,000	\$1,532.84	\$1,563. <u>79</u> 85	\$30. <u>95</u> 1.01	2.02%
149	3,000	\$2,217.76	\$2,264. <u>18</u> 27	\$46. <u>42</u> 51	2. <u>09</u> 10 %
150	4,000	\$2,902.68	\$2,964. <u>57</u> 69	\$62. <u>89</u> 01	2.1 <u>3</u> 4 %
151	5,000	\$3,587.60	\$3,664. <u>97</u> 5.12	\$77. <u>37</u> 52	2.16%
152	6,500	\$4,614.98	\$4,715. <u>56</u> 75	\$100. <u>77</u> 58	2.18%
153	8,000	\$5,642.36	\$5,766. <u>15</u> 39	\$123. <u>79</u> 4.03	2. <u>19</u> 20 %
154	9,500	\$6,669.74	\$6,816. <u>74</u> 7.02	\$147. <u>00</u> 28	2. <u>20</u> 1 %
155	11,000	\$7,697.12	\$7,867. <u>33</u> 66	\$170. <u>21</u> 54	2. <u>21</u> 2 %
156	12,500	\$8,724.50	\$8,917. <u>92</u> 8.29	\$193. <u>4</u> 2 79	2.22%
157	14,000	\$9,751.88	\$9,968. <u>51</u> 93	\$216. <u>63</u> 7.05	2. <u>22</u> 3 %
158	16,000	\$11,121.72	\$11,369. <u>29</u> 77	\$247. <u>57</u> 8.05	2.23%
159	18,000	\$12,491.56	\$12,770. <u>08</u> 62	\$278. <u>52</u> 9.06	2.23%
160	20,000	\$13,861.40	\$14,170. <u>80</u> 7.47	\$309. <u>47</u> 10.07	2.2 <u>4</u> 3 %
161	22,000	\$15,231.24	\$15,571. <u>66</u> 2.31	\$340. <u>42</u> 1.07	2.2 <u>3</u> 4 %
162	24,000	\$16,601.08	\$16,972. <u>44</u> 3.16	\$371. <u>36</u> 2.08	2.24%
163	26,000	\$17,970.92	\$18,373. <u>23</u> 4.01	\$402. <u>31</u> 3.09	2.24%
164	28,000	\$19,340.76	\$19,774. <u>02</u> 85	\$433. <u>26</u> 4.09	2.24%
165	30,000	\$20,710.60	\$21,174. <u>80</u> 5.70	\$464. <u>20</u> 5.10	2.2 <u>4</u> 5 %
166	35,000	\$23,829.30	\$24,318. <u>52</u> 9.46	\$489. <u>22</u> 90.16	2.0 <u>6</u> 5 %
167	40,000	\$26,948.00	\$27,462. <u>23</u> 3.22	\$514. <u>23</u> 5.22	1.91%
168	45,000	\$30,066.70	\$30,605. <u>94</u> 6.99	\$539. <u>24</u> 40.29	1. <u>80</u> 7 9 %
169	50,000	\$33,185.40	\$33,749. <u>66</u> 50.75	\$564. <u>26</u> 5.35	1.70%
170	55,000	\$36,304.10	\$36,893. <u>37</u> 4.51	\$589. <u>27</u> 90.41	1.6 <u>3</u> 2 %
171	60,000	\$39,422.80	\$40,037. <u>08</u> 8.27	\$614. <u>28</u> 5.47	1.56%
172	70,000	\$45,660.20	\$46,324. <u>51</u> 5.79	\$64. <u>31</u> 65.59	1.4 <u>6</u> 5 %
173	80,000	\$51,897.60	\$52,611. <u>93</u> 3.32	\$714. <u>33</u> 5.72	1.38%
174	90,000	\$58,135.00	\$58, <u>899.36</u> 900.84	\$764. <u>36</u> 5.84	1.3 <u>2</u> 1 %
175	100,000	\$64,372.40	\$65,186. <u>79</u> 8.36	\$814. <u>39</u> 5.96	1.27%
176	110,000	\$70,609.80	\$71,474. <u>21</u> 5.89	\$864. <u>41</u> 6.09	1.2 <u>2</u> 3 %
177	120,000	\$76,847.20	\$77,761. <u>64</u> 3.41	\$914. <u>44</u> 6.21	1.19%
178	130,000	\$83,084.60	\$84,049. <u>07</u> 50.93	\$964. <u>47</u> 6.33	1.16%
179	140,000	\$89,322.00	\$90,336. <u>49</u> 8.46	\$1,014. <u>49</u> 6.46	1.14%
180	190,000	\$120,509.00	\$121,773. <u>62</u> 6.07	\$1,264. <u>62</u> 7.07	1.05%
181	240,000	\$151,696.00	\$153,210. <u>75</u> 3.69	\$1,514. <u>75</u> 7.69	1.00%
182	290,000	\$182,883.00	\$184,647. <u>89</u> 51.30	\$1,764. <u>89</u> 8.30	0.97%
183	23,233	\$16,075.99	\$16,435. <u>48</u> 6.18	\$359. <u>50</u> 60.20	2.24%

Cascade Natural Gas Corp.
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	A	B	C	D	E
184	<i>Non-Core Industrial 663</i>				
185	-	\$625.00	\$625.00	\$0.00	0.00%
186	2,000	\$758.87	\$779.415	\$20.558	2.71%
187	4,000	\$892.75	\$933.8290	\$41.0815	4.601%
188	6,000	\$1,026.62	\$1,088.2335	\$61.6173	6.001%
189	8,000	\$1,160.49	\$1,242.6480	\$82.1531	7.089%
190	10,000	\$1,294.37	\$1,397.0525	\$102.6989	7.9593%
191	12,000	\$1,428.24	\$1,551.4770	\$123.2346	8.634%
192	14,000	\$1,562.11	\$1,705.88616	\$143.76404	9.202%
193	16,000	\$1,695.99	\$1,860.2961	\$164.3062	9.6971%
194	18,000	\$1,829.86	\$2,014.70506	\$184.84520	10.102%
195	20,000	\$1,963.73	\$2,169.1151	\$205.3877	10.468%
196	25,000	\$2,298.42	\$2,555.1463	\$257.22672	11.179%
197	30,000	\$2,633.10	\$2,941.1676	\$308.0666	11.702%
198	35,000	\$2,967.78	\$3,327.1989	\$359.416011	12.113%
199	40,000	\$3,302.47	\$3,713.22402	\$410.75155	12.446%
200	45,000	\$3,637.15	\$4,099.2510014	\$462.0199	12.703%
201	50,000	\$3,971.83	\$4,485.27627	\$513.44444	12.935%
202	60,000	\$4,641.20	\$5,2578.5332	\$616.12732	13.2830%
203	70,000	\$5,310.57	\$6,029.383078	\$718.822021	13.546%
204	80,000	\$5,979.93	\$6,801.44303	\$821.51310	13.746%
205	90,000	\$6,649.30	\$7,573.49528	\$924.19598	13.903%
206	100,000	\$7,318.67	\$8,345.55754	\$1,026.88887	14.036%
207	125,000	\$8,074.83	\$9,2031.4563	\$1,126.62880	13.958%
208	150,000	\$8,831.00	\$10,057.36973	\$1,226.36873	13.8991%
209	175,000	\$9,587.17	\$10,913.26583	\$1,326.09866	13.836%
210	200,000	\$10,343.33	\$11,769.167192	\$1,425.83859	13.8178%
211	250,000	\$11,855.67	\$13,4804.1197	\$1,625.30845	13.714%
212	300,000	\$13,368.00	\$15,1926.7730	\$1,824.77830	13.658%
213	350,000	\$16,798.33	\$19,150.84539	\$2,352.50706	14.003%
214	400,000	\$17,897.67	\$20,378.968376	\$2,481.29610	13.869%
215	450,000	\$18,997.00	\$21,607.081213	\$2,610.08513	13.774%
216	500,000	\$20,096.33	\$22,835.204051	\$2,738.874417	13.686%
217	600,000	\$26,138.00	\$29,792.16924	\$3,654.166124	13.98401%
218	800,000	\$29,191.33	\$33,130.63826	\$3,939.304692	13.5492%
219	1,000,000	\$32,244.67	\$36,469.097727	\$4,224.433261	13.103%
220	285,881	\$12,940.93	\$14,709.381280	\$1,778.44187	13.679%