

**Exh. MCC-4  
Docket UG-170929  
Witness: Melissa Cheesman**

**BEFORE THE WASHINGTON  
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**CASCADE NATURAL GAS  
CORPORATION,**

**Respondent.**

**DOCKET UG-170929**

**EXHIBIT TO  
TESTIMONY OF**

**Melissa Cheesman**

**ON BEHALF OF STAFF OF  
WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION**

*Residential Average Monthly Impact*

**February 15, 2018**

Cascade Natural Gas Corporation  
Washington Jurisdiction  
Estimated Average Monthly Bill Comparison Under Proposed Rates

Residential Average Monthly Impact

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
									54 therms/month
									\$47.78 \$/month

Residential Customer Using an Average

Will pay on Average

Line No.	(a)	(b)	(c)	(d)	(e)	Monthly Bill Change		
						Present Rates	Proposed Rates	Percent
1	Basic Service Charge		\$4.00	\$4.00		\$4.00	\$4.00	0.0%
2								
3	Delivery Charge w/ CRM		\$0.30276	\$0.27335		16.48	-1.60	-9.7%
4								
5	PGA Rate		\$0.46035	\$0.46035		25.05	0.00	0.0%
6	All Other Tariff rates		\$0.07087	\$0.07087		3.86	3.86	0.0%
7	Total		\$0.83398	\$0.80457		\$49.38	\$47.78	-3.2%
8								
9								
10								
11	Month	Average	Revenue at Present Rates	Revenue at Proposed Rates	Amount			
12		therms per Customer						
13	January	106 \$	84.89 \$	81.77 \$	(3.12)			-3.67%
14	February	89 \$	71.92 \$	69.30 \$	(2.62)			-3.64%
15	March	73 \$	59.71 \$	57.56 \$	(2.15)			-3.60%
16	April	47 \$	39.87 \$	38.48 \$	(1.38)			-3.47%
17	May	30 \$	26.89 \$	26.01 \$	(0.88)			-3.28%
18	June	20 \$	19.26 \$	18.67 \$	(0.59)			-3.05%
19	July	16 \$	16.21 \$	15.74 \$	(0.47)			-2.90%
20	August	16 \$	16.21 \$	15.74 \$	(0.47)			-2.90%
21	September	20 \$	19.26 \$	18.67 \$	(0.59)			-3.05%
22	October	44 \$	37.58 \$	36.28 \$	(1.29)			-3.44%
23	November	82 \$	66.58 \$	64.16 \$	(2.41)			-3.62%
24	December	110 \$	87.94 \$	84.71 \$	(3.24)			-3.68%
25	Total	653 \$	546.31 \$	527.11 \$	(19.20)			
26								
27	Monthly Average	54 \$	45.53 \$	43.93 \$	(1.60)			-3.52%
28								
29								
30								

Note: All hardcoded values provided by Cascade in Mr. Amen's workpapers.

Rate Design

Cascade Natural Gas Corporation  
DEVELOPMENT OF RATE CHANGES AS OF 11/01/16  
State of Washington

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Cascade's  
Response to UTC  
Staff DR 124

	Basic Service Charge	Margin	Low Income R/S 593	Decoupling Mechanism Adj. R/S 594	Cost Recovery Mechanism R/S 597	Cost of Gas R/S 595	Temporary Technical Adjustment R/S 595	Conservation Program Adjustment R/S 596	Effective Rate
<b>1 Rate Schedule 503</b>									
2	Basic Service Charge	\$ 4.00							
3	All Gas Used per Month	\$ 0.29484	\$ 0.00292	\$ (0.00141)	\$ 0.012800	\$ 0.46035	\$ 0.05571	\$ 0.01365	\$ 0.83886
<b>4 Rate Schedule 504</b>									
5	Basic Service Charge	\$ 10.00							
6	All Therms Used	\$ 0.24608	\$ 0.00236	\$ 0.00126	\$ 0.009530	\$ 0.45772	\$ 0.05571	\$ 0.01365	\$ 0.78631
<b>7 Rate Schedule 511</b>									
8	Basic Service Charge	\$ 100.00							
9	First 20000	\$ 0.14834	\$ 0.00124	\$ (0.01811)	\$ 0.005410	\$ 0.44467	\$ 0.05571	\$ 0.01365	\$ 0.65091
10	Next 80000	\$ 0.11295	\$ 0.00124	\$ (0.01811)	\$ 0.005410	\$ 0.44467	\$ 0.05571	\$ 0.01365	\$ 0.61552
11	Over 100000	\$ 0.02541	\$ 0.00124	\$ (0.01811)	\$ 0.005410	\$ 0.44467	\$ 0.05571	\$ 0.01365	\$ 0.52798
<b>12 Rate Schedule 505</b>									
13	Basic Service Charge	\$ 48.00							
14	First 500	\$ 0.18843	\$ 0.00146	\$ 0.00805	\$ 0.007720	\$ 0.44467	\$ 0.05571	\$ 0.01365	\$ 0.71969
15	3500 Next	\$ 0.15175	\$ 0.00146	\$ 0.00805	\$ 0.007720	\$ 0.44467	\$ 0.05571	\$ 0.01365	\$ 0.68301
16	4000 & Over	\$ 0.14620	\$ 0.00146	\$ 0.00805	\$ 0.007720	\$ 0.44467	\$ 0.05571	\$ 0.01365	\$ 0.67746
<b>17 Rate Schedule 570</b>									
18	Basic Service Charge	\$ 130.00							
19	30000 Next	\$ 0.08233	\$ 0.00044	\$ (0.00372)	\$ 0.002300	\$ 0.43167	\$ 0.05571	\$ 0.01365	\$ 0.58238
20	30000 & Over	\$ 0.02251	\$ 0.00044	\$ (0.00372)	\$ 0.002300	\$ 0.43167	\$ 0.05571	\$ 0.01365	\$ 0.52256
<b>21 Rate Schedule 663 (Option 1-Default)</b>									
22	Basic Service Charge	\$ 500.00							
23	Contract Demand Charge	\$ 0.20000							\$ 0.20000
24	System Balancing Charge	\$ 0.00040							\$ 0.00040
25	First 100000	\$ 0.05730	\$ 0.00027		\$ 0.00176		\$ -		\$ 0.05933
26	Next 200000	\$ 0.02023	\$ 0.00027		\$ 0.00176		\$ -		\$ 0.02226
27	Next 200000	\$ 0.01187	\$ 0.00027		\$ 0.00176		\$ -		\$ 0.01390
28	Over 500000	\$ 0.00508	\$ 0.00027		\$ 0.00176		\$ -		\$ 0.00711
29									