

EXHIBIT A

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

CASCADE NATURAL GAS CORPORATION

Annual Purchased Gas Cost and
Temporary Technical Adjustments

CNGC WUTC Advice No. W17-09-01 / UG-_____

September 29, 2017

CASCADE NATURAL GAS CORPORATION

EXHIBIT A

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Cascade Natural Gas Corporation
 WASHINGTON 16/17 PURCHASED GAS COST TRACKING APPLICATION
 DEVELOPMENT OF EMBEDDED SUPPLY & PIPELINE TRANSPORTATION RATES
 Shaded means requires manual entry from Prior Year Washington PGA Gas Cost Workbook

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	UNITS	8/1/2016 RATE	AMOUNT	CURRENT COST OF GAS	
				COMMODITY	DEMAND
CANADIAN UPSTREAM RESV COSTS	216,190	\$10.259518	\$2,218,009		\$2,218,009
DOMESTIC UPSTREAM NON-DIRECT RESV COSTS	180,538	\$1.350000	\$243,726		\$243,726
SUPPLY DEMAND CHARGES	277,465	\$0.051363	\$14,251	\$14,251	
COMPANY CONTRACT SUPPLY COMMODITY	218,756,246	\$0.303741	\$66,445,231	\$66,445,231	
GTN T-1 Agmt 00179	101,669	\$7.918449	\$805,060		\$805,060
GTN T-1 (Malin) Agmt 02812	0	\$5.463652	\$0		\$0
GTN T-3 (Expansion) Agmt 00152	0	\$4.216036	\$0		\$0
GTN 2003 Expansion Agmt 08844	0	\$5.463652	\$0		\$0
GTN South to North Agmt 12094	18,054	\$5.090367	\$91,900		\$91,900
GTN COMMODITY	35,392,349	\$0.034393	\$1,217,249	\$1,217,249	
NWP TF-1 100002 (principle transport--All Rec/All Del contract)	1,804,346	\$14.965000	\$27,002,037		\$27,002,037
NWP TF-1 Direct to Washington /1	364,650	\$14.965000	\$5,456,987		\$5,456,987
NWP TF-1 Split to specific OR and WA points	440,757	\$14.965000	\$6,595,925		\$6,595,925
NWP TF-1 Weyerhaeuser	50,000	\$14.965000	\$748,250		\$748,250
TF-1 COMMODITY	233,859,602	\$0.003140	\$734,319	\$734,319	
LS-1 DEMAND	0	\$0.944255	\$0		\$0
LS-1 CAPACITY	6,088,604	\$0.120815	\$735,595		\$735,595
LS-1 COMMODITY	6,088,604	\$0.271773	\$1,654,715	\$1,654,715	
LS-INVENTORY	6,088,604	\$0.016334	\$99,448		\$99,448
LS-1 LIQUEFACTION	6,088,604	\$0.090855	\$553,180		\$553,180
LS-1 VAPORIZATION	6,088,604	\$0.003386	\$20,616		\$20,616
TF-2 TRANSPORTATION CAPACITY	16,681	\$14.965000	\$249,633		\$249,633
TF-2 TRANSPORTATION COMMODITY	6,088,604	\$0.003000	\$18,266	\$18,266	
SGS-1 DEMAND	0	\$0.570130	\$0		\$0
SGS-1 CAPACITY	5,556,710	\$0.020805	\$115,607		\$115,607
SGS-1 COMMODITY	5,556,710	\$0.190968	\$1,061,154	\$1,061,154	
SGS-1 INVENTORY	5,556,710	\$0.011477	\$63,775		\$63,775
TF-2 TRANSPORTATION CAPACITY	15,224	\$14.965000	\$227,825		\$227,825
TF-2 TRANSPORTATION COMMODITY	5,556,710	\$0.003000	\$16,670	\$16,670	
SGS-JPEXP DEMAND	0	\$1.480440	\$0		\$0
SGS-JPEXP CAPACITY	3,218,078	\$0.127020	\$408,760		\$408,760
SGS-JPEXP STORAGE COMMODITY	3,218,078	\$0.201536	\$648,558	\$648,558	
SGS-JPEXP INVENTORY	3,218,078	\$0.012112	\$38,978		\$38,978
TF-2 TRANSPORTATION CAPACITY	8,817	\$0.000000	\$0		\$0
TF-2 TRANSPORTATION COMMODITY	3,218,078	\$0.003000	\$9,654	\$9,654	
SGS-JP3 DEMAND	0	\$0.570130	\$0		\$0
SGS-JP3 CAPACITY	2,812,420	\$0.020805	\$58,512		\$58,512
SGS-JP3 STORAGE COMMODITY	2,812,420	\$0.218017	\$613,156	\$613,156	
SGS-JP3 STORAGE INVENTORY	2,812,420	\$0.013103	\$36,851		\$36,851
TF-2 TRANSPORTATION CAPACITY	7,705	\$14.965000	\$115,309		\$115,309
TF-2 TRANSPORTATION COMMODITY	2,812,420	\$0.003000	\$8,437	\$8,437	
SGS-TBD1 DEMAND	0	\$0.000000	\$0		\$0
SGS-TBD1 CAPACITY	0	\$0.000000	\$0		\$0
SGS-TBD1 STORAGE COMMODITY	0	\$0.000000	\$0	\$0	
SGS-TBD1 STORAGE INVENTORY	0	\$0.000000	\$0		\$0
TF-2 TRANSPORTATION CAPACITY	0	\$0.000000	\$0		\$0
TF-2 TRANSPORTATION COMMODITY	0	\$0.000000	\$0	\$0	
SGS-TBD2 DEMAND	0	\$0.000000	\$0		\$0
SGS-TBD2 CAPACITY	0	\$0.000000	\$0		\$0
SGS-TBD2 STORAGE COMMODITY	0	\$0.000000	\$0	\$0	
SGS-TBD2 INVENTORY	0	\$0.000000	\$0		\$0
TF-2 TRANSPORTATION CAPACITY	0	\$0.000000	\$0		\$0
TF-2 TRANSPORTATION COMMODITY	0	\$0.000000	\$0	\$0	
Core Mitigation (Net Capacity Release and Storage Revenues)			(\$6,557,501)		(\$6,557,501)
			\$0		\$0
DAILY BALANCING NON-CORE CREDIT	650,332,175	(\$0.00020)	(\$130,066)		(\$130,066)
WA COMMODITY VOLUMES FOR CORE RESOURCES	236,475,964		\$111,640,080	\$72,441,661	\$39,198,419
LAST SALES/TRANSPORT VOLUMES Demand				236,475,965	236,475,964
LAST PROPOSED AVERAGE RATE				\$0.30634	\$0.16576

Cascade Natural Gas Corporation
 WASHINGTON 17/18 PURCHASED GAS COST TRACKING APPLICATION
 DEVELOPMENT OF PROPOSED SUPPLY & PIPELINE TRANSPORTATION RATES

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	UNITS	CURRENT RATE	AMOUNT	CURRENT COST OF GAS		EMBEDDED DIFFERENCE	COMMODITY UNITS
				COMMODITY	DEMAND		
CANADIAN UPSTREAM RESV COSTS	216,495	\$10.61474	\$2,298,035		\$2,298,035	\$80,026	
DOMESTIC UPSTREAM NON-DIRECT RESV COSTS	183,931	\$1.35000	\$248,307		\$248,307	\$4,581	
SUPPLY DEMAND CHARGES	277,182	\$0.05068	\$14,046	\$14,046			
COMPANY CONTRACT SUPPLY COMMODITY	217,816,913	\$0.26764	\$ 58,296,381	\$58,296,381		\$ (8,148,850)	217,816,913
GTN T-1 Agmt 00179	113,670	\$7.91845	\$900,087		\$900,087	\$95,026	
GTN T-1 (Malin) Agmt 02812	0	\$5.46365	\$0		\$0		
GTN T-3 (Expansion) Agmt 00152	0	\$4.21604	\$0		\$0		
GTN 2003 Expansion Agmt 08844	0	\$5.46365	\$0		\$0		
GTN South to North Agmt 12094	18,393	\$5.09037	\$93,628		\$93,628		
GTN COMMODITY	23,738,282	\$0.03439	\$816,431	\$816,431		(\$400,818)	
NWP TF-1 100002 (principle transport--All Rec/All Del contract)	1,799,706	\$14.43282	\$25,974,834		\$25,974,834	(\$1,027,202)	
NWP TF-1 Direct to Washington /1	364,650	\$14.43282	\$5,262,927		\$5,262,927	(\$194,060)	
NWP TF-1 Split to specific OR and WA points	440,474	\$14.43282	\$6,357,285		\$6,357,285	(\$238,640)	
NWP TF-1 Weyerhaeuser	50,000	\$14.43282	\$721,641		\$721,641	(\$26,609)	
TF-1 COMMODITY	232,718,951	\$0.00313	\$728,410	\$728,410		(\$5,909)	
LS-1 DEMAND	685,452	\$0.94426	\$647,242		\$647,242	\$647,242	
LS-1 CAPACITY	6,000,996	\$0.12082	\$725,010		\$725,010	(\$10,584)	
LS-1 COMMODITY	6,000,996	\$0.29031	\$1,742,149	\$1,742,149		\$87,433	6,000,996
LS-INVENTORY	6,000,996	\$0.017448	\$104,703		\$104,703	\$5,255	
LS-1 LIQUEFACTION	6,000,996	\$0.09086	\$545,220		\$545,220	(\$7,960)	
LS-1 VAPORIZATION	6,000,996	\$0.00339	\$20,319		\$20,319	(\$297)	
TF-2 TRANSPORTATION CAPACITY	16,441	\$14.96500	\$246,041		\$246,041	(\$3,592)	
TF-2 TRANSPORTATION COMMODITY	6,000,996	\$0.00300	\$18,003	\$18,003		(\$263)	
SGS-1 DEMAND	147,303	\$0.57013	\$83,982		\$83,982	\$83,982	
SGS-1 CAPACITY	5,476,756	\$0.02081	\$113,944		\$113,944	(\$1,663)	
SGS-1 COMMODITY	5,476,756	\$0.26277	\$1,439,109	\$1,439,109		\$377,955	5,476,756
SGS-1 INVENTORY	5,476,756	\$0.015792	\$86,490		\$86,490	\$22,715	
TF-2 TRANSPORTATION CAPACITY	15,005	\$14.96500	\$224,547		\$224,547	(\$3,278)	
TF-2 TRANSPORTATION COMMODITY	5,476,756	\$0.00300	\$16,430	\$16,430		(\$240)	
SGS-JPEXP DEMAND	263,214	\$1.48044	\$389,672		\$389,672	\$389,672	
SGS-JPEXP CAPACITY	3,171,774	\$0.12702	\$402,879		\$402,879	(\$5,882)	
SGS-JPEXP STORAGE COMMODITY	3,171,774	\$0.16634	\$527,597	\$527,597		(\$120,961)	3,171,774
SGS-JPEXP INVENTORY	3,171,774	\$0.009997	\$31,709		\$31,709	(\$7,270)	
TF-1 TRANSPORTATION CAPACITY	8,690	\$0.00000	\$0		\$0	\$0	
TF-1 TRANSPORTATION COMMODITY	3,171,774	\$0.00300	\$9,515	\$9,515		(\$139)	
SGS-JP3 DEMAND	84,027	\$0.57013	\$47,906		\$47,906	\$47,906	
SGS-JP3 CAPACITY	2,812,420	\$0.02081	\$58,512		\$58,512	\$0	
SGS-JP3 STORAGE COMMODITY	2,812,420	\$0.24824	\$698,168	\$698,168		\$85,012	2,812,420
SGS-JP3 STORAGE INVENTORY	2,812,420	\$0.014919	\$41,960		\$41,960	\$5,109	
TF-2 TRANSPORTATION CAPACITY	7,705	\$14.96500	\$115,309		\$115,309	\$0	
TF-2 TRANSPORTATION COMMODITY	2,812,420	\$0.00300	\$8,437	\$8,437		\$0	
SGS-TBD1 DEMAND	0	\$0.00000	\$0		\$0	\$0	
SGS-TBD1 CAPACITY	0	\$0.00000	\$0		\$0	\$0	
SGS-TBD1 STORAGE COMMODITY	0	\$0.00000	\$0	\$0		\$0	-
SGS-TBD1 STORAGE INVENTORY	0	\$0.00000	\$0		\$0	\$0	
TF-2 TRANSPORTATION CAPACITY	0	\$0.00000	\$0		\$0	\$0	
TF-2 TRANSPORTATION COMMODITY	0	\$0.00000	\$0	\$0		\$0	
SGS-TBD2 DEMAND	0	\$0.00000	\$0		\$0	\$0	
SGS-TBD2 CAPACITY	0	\$0.00000	\$0		\$0	\$0	
SGS-TBD2 STORAGE COMMODITY	0	\$0.00000	\$0	\$0		\$0	-
SGS-TBD2 INVENTORY	0	\$0.00000	\$0		\$0	\$0	
TF-2 TRANSPORTATION CAPACITY	0	\$0.00000	\$0		\$0	\$0	
TF-2 TRANSPORTATION COMMODITY	0	\$0.00000	\$0	\$0		\$0	
Core Mitigation (Net Capacity Release and Storage Revenues)			(\$6,585,561)		(\$6,585,561)	(\$28,060)	
DAILY BALANCING NON-CORE CREDIT	650,332,175	(\$0.00020)	(\$130,066)		(\$130,066)	\$0	
WA COMMODITY VOLUMES FOR CORE RESOURCES	235,278,859		\$103,341,238	\$64,314,676	\$39,026,562	(\$8,300,364)	235,278,859
SALES/TRANSPORT VOLUMES				235,278,860	235,278,860		
PROPOSED AVERAGE RATE				\$0.27336	\$0.16587	\$0.43923	
CURRENT AVERAGE RATE IN RATES				\$0.30634	\$0.16576	\$0.47210	
GROSS RATE CHANGE				(\$0.03298)	\$0.00011	(\$0.03287)	
REVENUE ADJUSTMENT FACTOR				1.04469	1.04469	1.04469	(7,733,616)
TOTAL PROPOSED ADJUSTMENT				(\$0.03445)	\$0.00011	(\$0.03434)	
ANNUAL GAS COST CHANGE DETERMINATION			\$	(8,256,831)		-7.484%	
				-12.065%	0.066%		

CASCADE NATURAL GAS CORPORATION
2017 PGA Gas Demand Cost Allocation

	Current	Proposed
Demand Costs	\$39,198,419	\$ 39,026,562
Commodity Costs	72,441,661	64,314,676

Rate Schedule	503	502, 504, & 512	505/511	570/577	Total
Current Demand Rates	0.16809	0.16555	0.15300	0.14050	
% change (same for each sch)	-0.46442%	-0.46442%	-0.46442%	-0.46442%	
Proposed Demand Increment	\$ 0.16731	\$ 0.16478	\$ 0.15229	\$ 0.13985	
Proposed Demand Costs Collected	\$21,372,052	\$ 15,035,512	\$2,116,768	\$ 502,231	\$39,026,562
Proposed Change in Demand	(0.00078)	(0.00077)	(0.00071)	(0.00065)	
Revenue Adjustment Factor	1.04469	1.04469	1.04469	1.04469	
Proposed Rate Adjustment	\$ (0.00082)	\$ (0.00080)	\$ (0.00074)	\$ (0.00068)	
Proposed Volumes	127,739,723	91,245,333	13,899,634	3,591,275	236,475,965

Cascade Natural Gas Corporation
PGA AMOUNT OF CHANGE BY RATE SCHEDULE
Based Upon the Twelve Months Ended 7/30/17
State of Washington

Line No.	Description (a)	Rate Schedule (b)	Average # of Bills (c)	Actual Therms Sold (d)	Actual Revenue (e)	Per Therm Gas Cost Change (g)	Amount of Change (h)
CORE MARKET RATE SCHEDULES							
1	Dry Out	502	583	505,257	416,921	(0.03525)	(17,812.27)
2	Residential	503	182,718	127,993,341	113,247,259	(0.03527)	(4,514,821.26)
3	Commercial	504	25,666	91,224,806	72,867,675	(0.03525)	(3,216,028.00)
4	Industrial Firm	505	454	11,950,882	7,976,157	(0.03519)	(420,597.86)
5	Large Volume	511	87	12,698,939	7,981,691	(0.03519)	(446,924.89)
6	Compressed Natural Gas	512	1	47,064	35,012	(0.03525)	(1,659.19)
7							
8	Industrial Interruptible	570	9	3,520,163	1,831,637	(0.03513)	(123,676.97)
9	Institutional	577	2	71,112	30,183	(0.03513)	(2,498.44)
10	Subtotal Core		209,520	248,011,564	204,386,535		(8,744,019)
NONCORE MARKET RATE SCHEDULES							
11	Distribution	663	196	449,728,250	16,955,638	\$ -	
12	Special Contracts	9xx	11	254,000,729	5,903,042	\$ -	
13	Subtotal Non-core		207	703,728,979	22,858,680	\$ -	
14	CORE & NON-CORE		209,727	951,740,543	227,245,215	\$ -	(8,744,019)

Cascade Natural Gas Corporation
PGA PROPOSED TYPICAL MONTHLY BILL BY CLASS
State of Washington

Line No.	Description (a)	Typical Monthly Therm Use (b)	Avg Bill @ 11/1/16 Rates (c)	Present Filing Changes (d)	Proposed Typical Bill (e)	Percent Change (f)
1	Residential (503)	58	\$51.65	(\$2.05)	\$49.60	-3.96%
2	Commercial (504)	296	\$236.59	(\$10.44)	\$226.15	-4.41%
3	Industrial (505)	N/A*	\$0.66741	(\$0.03519)	\$0.63222	-5.27%
4	Industrial Lg Vol (511)	N/A*	\$0.62853	(\$0.03519)	\$0.59334	-5.60%
5	Interruptible (570)	N/A*	\$0.52033	(\$0.03513)	\$0.48519	-6.75%
6	Institutional Interruptible (577)	N/A*	\$0.42444	(\$0.03513)	\$0.38931	-8.28%

* The large variation among customers in the Industrial and Interruptible customer classes renders average consumption numbers meaningless, therefore only per therm figures have been listed.

Cascade Natural Gas Corporation
PGA DERIVATION OF PROPOSED RATE ADJUSTMENT
State of Washington

Line No.	Revised Description	503 Residential Customers	502/504/512 Commercial Customers	505/511 Firm Indust Customers	570/577 Interruptible Customers
1	WACOG Effective November 1, 2016	\$0.49569	\$0.49304	\$0.47993	\$0.46687
<u>Proposed Incremental Change</u>					
2	Residential	(\$0.03527)			
3	Commercial		(\$0.03525)		
4	Industrial Firm			(\$0.03519)	
5	Interruptible - CORE				(\$0.03513)
6	NON-CORE Customers				
7	Total Proposed Rate	\$0.46042	\$0.45779	\$0.44474	\$0.43174

Cascade Natural Gas Corporation
TTA CALCULATION OF PER THERM RATES TO AMORTIZE DEFERRED ACCOUNTS
State of Washington

Line No.	Consolidated Account (a)	Account Balance 7/31/2017 (b)	Interest Assignments & Amortization through 10/31/2017 (c)	Revenue Sensitive costs (d)	Interest Accruals Through Am. (e)	Amount (f)	PROPOSED TECH. ADJUSTMENTS			Proposed Period of Am. (j)	Item (k)
							CORE		NONCORE		
						503/504 (g)	All Other Core (h)	R/S 663 Commodity (i)			
1	Core Gas Cost	\$ 11,070,805	\$ 1,230,872	\$ 575,480	\$ 2,414	\$ 12,879,571					
2					Divide by	231,170,943	\$ 0.05571	\$ 0.05571		1 Year	Core Gas Deferrals Core
3											
4											
5											
6											
9	TOTAL	\$ 11,070,805	\$ 1,230,872	\$ 575,480	\$ 2,414	\$ 12,879,571	\$ 0.05571	\$ 0.05571	\$ -		

Cascade Natural Gas Corporation
TTA DERIVATION OF PROPOSED RATE LEVEL WITHIN
RATE ADDITION SCHEDULE NO. 595
State of Washington

Description (a)	Rate Schedule (b)	Reverse Prior Temporary Rate Adj. (c)	Gas Cost Related Temporary Rate Adj. (d)	Incremental R/S 595 Rate Change (e)	Posted R/S 595 Tariff Rate (f)
CORE MARKET RATE SCHEDULES					
Dry Out	502	\$ 0.03702	\$0.05571	\$ 0.09273	\$ 0.05571
Residential	503	\$ 0.03702	\$0.05571	\$ 0.09273	\$ 0.05571
Commercial	504	\$ 0.03702	\$0.05571	\$ 0.09273	\$ 0.05571
Compressed Nat. Gas	512	\$ 0.03702	\$0.05571	\$ 0.09273	\$ 0.05571
Com-Ind Dual Service	511	\$ 0.03702	\$0.05571	\$ 0.09273	\$ 0.05571
Industrial Firm	505	\$ 0.03702	\$0.05571	\$ 0.09273	\$ 0.05571
Industrial Interr.	570	\$ 0.03702	\$0.05571	\$ 0.09273	\$ 0.05571
Institutional Interr.	577	\$ 0.03702	\$0.05571	\$ 0.09273	\$ 0.05571
NONCORE MARKET CUSTOMERS					
Distribution	663	\$ -	\$ -	\$ -	\$ -
Transportation	685/686	\$ -	\$ -	\$ -	\$ -
Special Contract	9xx	\$ -	\$ -	\$ -	\$ -

(c) from 2016 TTA Exhibit, Schedule 1, pg 1

(d) from TTA Exhibit, Schedule 1, pg 1

Cascade Natural Gas Corporation
TTA AMOUNT OF CHANGE BY RATE SCHEDULE
BASED UPON THE TWELVE MONTHS ENDED 7/31/201
State of Washington

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Line No.	Description (a)	Rate Schedule (b)	Average # of Bills (c)	Actual Therms Sold (d)	Actual Revenue (e)	Per Therm TTA Change (f)	Amount of Change (g)	Percentage Change (h)
CORE MARKET RATE SCHEDULES								
1	Dry Out	502	583	505,257	416,921	\$ 0.09273	\$ 46,852	11.24%
2	Residential	503	182,718	127,993,341	113,247,259	\$ 0.09273	\$ 11,868,823	10.48%
3	Commercial	504	25,666	91,224,806	72,867,675	\$ 0.09273	\$ 8,459,276	11.61%
4	Industrial Firm	505	454	11,950,882	7,976,157	\$ 0.09273	\$ 1,108,205	13.89%
5	Large Volume	511	87	12,698,939	7,981,691	\$ 0.09273	\$ 1,177,573	14.75%
6	Compressed Natural Gas	512	1	47,064	35,012	\$ 0.09273	\$ 4,364	12.46%
7								0
8	Industrial Interruptible	570	9	3,520,163	1,831,637	\$ 0.09273	\$ 326,425	17.82%
9	Institutional	577	2	71,112	30,183	\$ 0.09273	\$ 6,594	21.85%
10	Subtotal Core		209,520	248,011,564	204,386,535		\$ 22,998,112	
NONCORE MARKET RATE SCHEDULES								
11	Pipeline Transportation	685/686		-	-	\$ -	\$ -	
12	Distribution	663	196	449,728,250	16,955,638	\$ -	\$ -	0.00%
13	Special Contracts	9xx	11	254,000,729	5,903,042	\$ -	\$ -	
14	Subtotal Non-core		207	703,728,979	22,858,680		\$ -	
15	CORE & NON-CORE		209,727	951,740,543	227,245,215		\$ 22,998,112	10.12%

Cascade Natural Gas Corporation
TTA TYPICAL MONTHLY THERM USAGE AND COST BY CLASS
FOR TWELVE MONTHS ENDED 7/31/2017
State of Washington

Line No.	Description (a)	Therm Sales (b)	Revenue at 11/01/2016 Rates (c)	Per Therm Rate Change (d)	Amount of Change (e)	Percent Change (f)
1	Residential (503)	127,993,341	113,247,259	\$ 0.09273	11,868,823	10.48%
2	Commercial (504)	91,224,806	72,867,675	\$ 0.09273	8,459,276	11.61%
3	Industrial (505)	11,950,882	7,976,157	\$ 0.09273	1,108,205	13.89%
4	Industrial Lg Vol (511)	12,698,939	7,981,691	\$ 0.09273	1,177,573	14.75%
5	Interruptible (570)	3,520,163	1,831,637	\$ 0.09273	326,425	17.82%
6	Interruptible Inst. (577)	71,112	30,183	\$ 0.09273	6,594	21.85%
7	Noncore Dist (663)	449,728,250	16,955,638	\$ -	0	0.00%

Cascade Natural Gas Corporation
TTA PROPOSED TYPICAL MONTHLY BILL BY CLASS
FOR TWELVE MONTHS ENDED 7/31/2017
State of Washington

Line No.	Description (a)	Typical Monthly Therm Use (b)	Avg Bill @ 11/01/2016 Rates (c)	Present Filing Changes (d)	Proposed Typical Bill (e)	Percent Change (f)
1	Residential (503)	58	\$ 51.65	\$ 5.41	\$ 57.06	10.48%
2	Commercial (504)	296	\$ 236.59	\$ 27.47	\$ 264.06	11.61%
3	Industrial (505)	N/A*	\$ 0.66741	\$ 0.09273	\$ 0.76014	13.89%
4	Industrial Lg Vol (511)	N/A*	\$ 0.62853	\$ 0.09273	\$ 0.72126	14.75%
5	Interruptible (570)	N/A*	\$ 0.52033	\$ 0.09273	\$ 0.61306	17.82%
6	Interruptible Inst. (577)	N/A*	\$ 0.42444	\$ 0.09273	\$ 0.51717	21.85%
7	Noncore Dist (663)	N/A*	\$ 0.03770	\$ -	\$ 0.03770	0.00%
8	Noncore Trans (685, 686)	N/A*	N/A	\$ -	N/A	N/A

**The large variation among customers in the Industrial, Interruptible, and Noncore customer classes renders average consumption numbers meaningless, therefore only per-therm figures have been listed*