

EXHIBIT A

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

CASCADE NATURAL GAS CORPORATION

Annual Purchased Gas Cost and
Temporary Technical Adjustments

CNGC WUTC Advice No. W18-09-01

September 17, 2018

CASCADE NATURAL GAS CORPORATION

EXHIBIT A

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

CNGC Advice W18-09-01
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Shaded means requires manual entry from Prior Year Washington PGA Gas Cost Workbook

	UNITS	8/1/2016 RATE	AMOUNT	CURRENT COST OF GAS	
				COMMODITY	DEMAND
CANADIAN UPSTREAM RESV COSTS	216,495	\$10.614740	\$2,298,035		\$2,298,035
DOMESTIC UPSTREAM NON-DIRECT RESV COSTS	183,931	\$1.350000	\$248,307		\$248,307
SUPPLY DEMAND CHARGES	277,182	\$0.050676	\$14,046	\$14,046	
COMPANY CONTRACT SUPPLY COMMODITY	217,816,913	\$0.267639	\$58,296,381	\$58,296,381	
GTN T-1 Agmt 00179	113,670	\$7.918449	\$900,087		\$900,087
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	18,393	\$5.090367	\$93,628		\$93,628
GTN COMMODITY	23,738,282	\$0.034393	\$816,431	\$816,431	
NWP TF-1 100002 (principle transport--All Rec/All Del contract	1,799,706	\$14.432818	\$25,974,834		\$25,974,834
NWP TF-1 Direct to Washington /1	364,650	\$14.432818	\$5,262,927		\$5,262,927
NWP TF-1 Split to specific OR and WA points	440,474	\$14.432818	\$6,357,285		\$6,357,285
NWP TF-1 Weyerhaeuser	50,000	\$14.432818	\$721,641		\$721,641
TF-1 COMMODITY	232,718,951	\$0.003130	\$728,410	\$728,410	
LS-1 DEMAND	685,452	\$0.944255	\$647,242		\$647,242
LS-1 CAPACITY	6,000,996	\$0.120815	\$725,010		\$725,010
LS-1 COMMODITY	6,000,996	\$0.290310	\$1,742,149	\$1,742,149	
LS-INVENTORY	6,000,996	\$0.017448	\$104,703		\$104,703
LS-1 LIQUEFACTION	6,000,996	\$0.090855	\$545,220		\$545,220
LS-1 VAPORIZATION	6,000,996	\$0.003386	\$20,319		\$20,319
TF-2 TRANSPORTATION CAPACITY	16,441	\$14.965000	\$246,041		\$246,041
TF-2 TRANSPORTATION COMMODITY	6,000,996	\$0.003000	\$18,003	\$18,003	
SGS-1 DEMAND	147,303	\$0.570130	\$83,982		\$83,982
SGS-1 CAPACITY	5,476,756	\$0.020805	\$113,944		\$113,944
SGS-1 COMMODITY	5,476,756	\$0.262767	\$1,439,109	\$1,439,109	
SGS-1 INVENTORY	5,476,756	\$0.015792	\$86,490		\$86,490
TF-2 TRANSPORTATION CAPACITY	15,005	\$14.965000	\$224,547		\$224,547
TF-2 TRANSPORTATION COMMODITY	5,476,756	\$0.003000	\$16,430	\$16,430	
SGS-JPEXP DEMAND	263,214	\$1.480440	\$389,672		\$389,672
SGS-JPEXP CAPACITY	3,171,774	\$0.127020	\$402,879		\$402,879
SGS-JPEXP STORAGE COMMODITY	3,171,774	\$0.166341	\$527,597	\$527,597	
SGS-JPEXP INVENTORY	3,171,774	\$0.009997	\$31,709		\$31,709
TF-2 TRANSPORTATION CAPACITY	8,690	\$0.000000	\$0		\$0
TF-2 TRANSPORTATION COMMODITY	3,171,774	\$0.003000	\$9,515	\$9,515	
SGS-JP3 DEMAND	84,027	\$0.570130	\$47,906		\$47,906
SGS-JP3 CAPACITY	2,812,420	\$0.020805	\$58,512		\$58,512
SGS-JP3 STORAGE COMMODITY	2,812,420	\$0.248244	\$698,168	\$698,168	
SGS-JP3 STORAGE INVENTORY	2,812,420	\$0.014919	\$41,960		\$41,960
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)			(\$6,585,561)		(\$6,585,561)
			\$0		\$0
DAILY BALANCING NON-CORE CREDIT	650,332,175	(\$0.00020)	(\$130,066)		(\$130,066)
WA COMMODITY VOLUMES FOR CORE RESOURCES	235,278,859		\$103,341,238	\$64,314,676	\$39,026,562
				235,278,859	235,278,859
				\$0.27336	\$0.16587

	UNITS	CURRENT RATE	AMOUNT	CURRENT COST OF GAS		EMBEDDED DIFFERENCE	COMMODITY UNITS
				COMMODITY	DEMAND		
CANADIAN UPSTREAM RESV COSTS	216,350	\$12.61115	\$2,728,419		\$2,728,419	\$430,383	
DOMESTIC UPSTREAM NON-DIRECT RESV COSTS	182,315	\$1.35000	\$246,125		\$246,125	(\$2,182)	
SUPPLY DEMAND CHARGES	277,326	\$0.00000	\$0	\$0			
COMPANY CONTRACT SUPPLY COMMODITY	220,641,742	\$0.23914	\$ 52,763,570	\$52,763,570		\$ (5,532,811)	220,641,742
GTN T-1 Agmt 00179	113,686	\$7.91845	\$900,220		\$900,220	\$133	
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	18,231	\$5.09037	\$92,805		\$92,805		
GTN COMMODITY	10,406,391	\$0.03439	\$357,907	\$357,907		(\$458,524)	
NWP TF-1 100002 (principle transport--All Rec/All Del contract)	1,801,917	\$14.24705	\$25,671,988		\$25,671,988	(\$302,846)	
NWP TF-1 Direct to Washington /1	364,650	\$14.24705	\$5,195,185		\$5,195,185	(\$67,742)	
NWP TF-1 Split to specific OR and WA points	440,609	\$14.24705	\$6,277,374		\$6,277,374	(\$79,911)	
NWP TF-1 Weyerhaeuser	50,000	\$14.24705	\$712,352		\$712,352	(\$9,289)	
TF-1 COMMODITY	235,225,417	\$0.00096	\$226,287	\$226,287		(\$502,123)	
LS-1 DEMAND	686,294	\$0.94426	\$648,037		\$648,037	\$795	
LS-1 CAPACITY	5,995,046	\$0.12082	\$724,291		\$724,291	(\$719)	
LS-1 COMMODITY	5,995,046	\$0.34676	\$2,078,869	\$2,078,869		\$336,721	5,995,046
LS-INVENTORY	5,995,046	\$0.020841	\$124,940		\$124,940	\$20,237	
LS-1 LIQUEFACTION	5,995,046	\$0.09086	\$544,680		\$544,680	(\$541)	
LS-1 VAPORIZATION	5,995,046	\$0.00339	\$20,299		\$20,299	(\$20)	
TF-2 TRANSPORTATION CAPACITY	16,425	\$14.24705	\$234,005		\$234,005	(\$12,036)	
TF-2 TRANSPORTATION COMMODITY	5,995,046	\$0.00083	\$4,988	\$4,988		(\$13,015)	
SGS-1 DEMAND	147,484	\$0.57013	\$84,085		\$84,085	\$103	
SGS-1 CAPACITY	5,471,326	\$0.02081	\$113,831		\$113,831	(\$113)	
SGS-1 COMMODITY	5,471,326	\$0.18772	\$1,027,068	\$1,027,068		(\$412,041)	5,471,326
SGS-1 INVENTORY	5,471,326	\$0.011282	\$61,727		\$61,727	(\$24,764)	
TF-2 TRANSPORTATION CAPACITY	14,990	\$14.24705	\$213,562		\$213,562	(\$10,985)	
TF-2 TRANSPORTATION COMMODITY	5,471,326	\$0.00083	\$4,552	\$4,552		(\$11,878)	
SGS-JPEXP DEMAND	263,537	\$1.48044	\$390,151		\$390,151	\$479	
SGS-JPEXP CAPACITY	3,168,629	\$0.12702	\$402,479		\$402,479	(\$399)	
SGS-JPEXP STORAGE COMMODITY	3,168,629	\$0.20073	\$636,048	\$636,048		\$108,451	3,168,629
SGS-JPEXP INVENTORY	3,168,629	\$0.012064	\$38,226		\$38,226	\$6,518	
TF-1 TRANSPORTATION CAPACITY	8,681	\$0.00000	\$0		\$0	\$0	
TF-1 TRANSPORTATION COMMODITY	3,168,629	\$0.00083	\$2,636	\$2,636		(\$6,879)	
SGS-JP3 DEMAND	84,130	\$0.57013	\$47,965		\$47,965	\$59	
SGS-JP3 CAPACITY	2,812,420	\$0.02081	\$58,512		\$58,512	\$0	
SGS-JP3 STORAGE COMMODITY	2,812,420	\$0.21656	\$609,053	\$609,053		(\$89,115)	2,812,420
SGS-JP3 STORAGE INVENTORY	2,812,420	\$0.013015	\$36,604		\$36,604	(\$5,356)	
TF-2 TRANSPORTATION CAPACITY	7,705	\$14.24705	\$109,777		\$109,777	(\$5,532)	
TF-2 TRANSPORTATION COMMODITY	2,812,420	\$0.00083	\$2,340	\$2,340		(\$6,097)	
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)			(\$4,228,208)		(\$4,228,208)	\$2,357,353	
DAILY BALANCING NON-CORE CREDIT	738,352,650	(\$0.00040)	(\$295,341)		(\$295,341)	(\$165,275)	
WA COMMODITY VOLUMES FOR CORE RESOURCES	238,089,163		\$98,867,409	\$57,713,318	\$41,154,091	(\$4,458,960)	238,089,163
SALES/TRANSPORT VOLUMES				238,089,163	238,089,163		
PROPOSED AVERAGE RATE				\$0.24240	\$0.17285	\$0.41525	
CURRENT AVERAGE RATE IN RATES				\$0.27336	\$0.16587	\$0.43923	
GROSS RATE CHANGE				(\$0.03096)	\$0.00698	(\$0.02398)	
REVENUE ADJUSTMENT FACTOR		UG-152286		\$1.04469	\$1.04469	\$1.04469	
REVENUE ADJUSTMENT FACTOR		UG-170929		1.04431	1.04431	1.04431	(5,709,378)
TOTAL PROPOSED ADJUSTMENT				(\$0.03244)	\$0.00723	(\$0.02521)	
ANNUAL GAS COST CHANGE DETERMINATION				\$ (4,527,268)			
				-12.772%	4.038%	-5.775%	

CASCADE NATURAL GAS CORPORATION
2018 PGA Gas Demand Cost Allocation

	Current	Proposed
Demand Costs	\$39,026,562	\$ 41,154,091
Commodity Costs	64,314,676	57,713,318

Rate Schedule	503	504	505/511	570	Total
Current Demand Rates	0.16731	0.16478	0.15229	0.13985	
Revenue Adjustment Factor	\$ 1.04469	\$ 1.04469	\$ 1.04469	\$ 1.04469	
% change (same for each sch)	4.60202%	4.60202%	4.60202%	4.60202%	
Proposed Demand Increment	\$ 0.17501	\$ 0.17236	\$ 0.15930	\$ 0.14629	
Proposed Demand Costs Collected	\$22,174,505	\$ 16,691,575	\$1,962,793	\$ 325,218	\$41,154,091
Proposed Change in Demand	0.00770	0.00758	0.00701	0.00644	
Revenue Adjustment Factor	1.04431	1.04431	1.04431	1.04431	
Proposed Rate Adjustment	\$ 0.00798	\$ 0.00786	\$ 0.00726	\$ 0.00667	
Proposed Volumes	126,704,959	96,839,551	12,321,483	2,223,170	238,089,163

Cascade Natural Gas Corporation
PGA AMOUNT OF CHANGE BY RATE SCHEDULE
Based Upon the Twelve Months Ended 7/30/18
State of Washington

Line No.	Description (a)	Rate Schedule (b)	Average # of Bills (c)	Forecasted Therms Sold (d)	Actual Revenue (e)	Per Therm Gas Cost Change (g)	Amount of Change (h)
CORE MARKET RATE SCHEDULES							
1	Residential	503	186,554	120,761,917	115,712,024	(0.02446)	(2,953,657.23)
2	Commercial	504	26,029	85,789,305	74,328,878	(0.02458)	(2,108,625.00)
3	Industrial Firm	505	466	12,424,359	8,588,587	(0.02517)	(312,778.62)
4	Large Volume	511	87	14,072,731	9,092,266	(0.02517)	(354,275.77)
5	Industrial Interruptible	570	9	2,177,106	1,251,852	(0.02577)	(56,099.14)
6	Subtotal Core		213,145	235,225,417	208,973,607		(5,785,436)
NONCORE MARKET RATE SCHEDULES							
7	Distribution	663	191	431,839,404	17,478,407	\$ -	
8	Special Contracts	9xx	11	280,370,242	6,119,015	\$ -	
9	Subtotal Non-core		202	712,209,646	23,597,422	\$ -	
10	CORE & NON-CORE		213,347	947,435,063	232,571,029	\$ -	(5,785,436)

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 @ 11/1/17 Rates (c)	Present Filing Changes (d)	Proposed Typical Bill (e)	Percent Change (f)
1	Residential (503)	54	\$51.69	(\$1.32)	\$50.37	-2.56%
2	Commercial (504)	275	\$237.97	(\$6.76)	\$231.21	-2.84%
3	Industrial (505)	N/A*	\$0.69127	(\$0.02517)	\$0.66610	-3.64%
4	Industrial Lg Vol (511)	N/A*	\$0.64609	(\$0.02517)	\$0.62092	-3.90%
5	Interruptible (570)	N/A*	\$0.57501	(\$0.02577)	\$0.54924	-4.48%

* 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	504 Commercial Customers	505/511 Firm Indust Customers	570 Interruptible Customers
1	WACOG Effective November 1, 2016	\$0.49569	\$0.49304	\$0.47993	\$0.46687
	WACOG Adjustment Effective September 1, 2017	(\$0.03534)	(\$0.03532)	(\$0.03526)	(\$0.03520)
	<u>Proposed Incremental Change</u>				
2	Residential	(\$0.02446)			
3	Commercial		(\$0.02458)		
4	Industrial Firm			(\$0.02517)	
5	Interruptible - CORE				(\$0.02577)
6	NON-CORE Customers				
7	Total Proposed Rate	\$0.43589	\$0.43314	\$0.41950	\$0.40590
	Schedule 595 - WACOG	(0.05980)	(0.05990)	(0.06043)	(0.06097)

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

Line No.	Consolidated Account (a)	Account Balance 7/31/2018 (b)	Interest Assignments & Amortization through 10/31/2018 (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	\$ 3,428,748	\$ (1,689,371)	\$ 80,645	\$ 413	\$ 1,820,435					
2					Divide by	235,225,417	\$ 0.00774	\$ 0.00774		1 Year	Core Gas Deferrals Core
3											
4											
5											
6											
9	TOTAL	\$ 3,428,748	\$ (1,689,371)	\$ 80,645	\$ 413	\$ 1,820,435	\$ 0.00774	\$ 0.00774	\$ -		

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					
Residential	503	\$ (0.05571)	\$0.00774	\$ (0.04797)	\$ 0.00774
Commercial	504	\$ (0.05571)	\$0.00774	\$ (0.04797)	\$ 0.00774
Com-Ind Dual Service	511	\$ (0.05571)	\$0.00774	\$ (0.04797)	\$ 0.00774
Industrial Firm	505	\$ (0.05571)	\$0.00774	\$ (0.04797)	\$ 0.00774
Industrial Interr.	570	\$ (0.05571)	\$0.00774	\$ (0.04797)	\$ 0.00774
TTA Proposed Typical Monthly Bill by Class					
Distribution	663	\$ -	\$ -	\$ -	\$ -
Transportation	685/686	\$ -	\$ -	\$ -	\$ -
Special Contract	9xx	\$ -	\$ -	\$ -	\$ -

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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)	Forecasted Therms Sold (d)	Actual Revenue (e)	Per Therm TTA Change (f)	Amount of Change (g)	Percentage Change (h)
CORE MARKET RATE SCHEDULES								
1	Residential	503	186,554	120,761,917	115,712,024	\$ (0.04797)	\$ (5,792,949)	-5.01%
2	Commercial	504	26,029	85,789,305	74,328,878	\$ (0.04797)	\$ (4,115,313)	-5.54%
3	Industrial Firm	505	466	12,424,359	8,588,587	\$ (0.04797)	\$ (595,996)	-6.94%
4	Large Volume	511	87	14,072,731	9,092,266	\$ (0.04797)	\$ (675,069)	-7.42%
5	Industrial Interruptible	570	9	2,177,106	1,251,852	\$ (0.04797)	\$ (104,436)	-8.34%
6	TTA Proposed Typical Monthly Bill by C		213,145	235,225,417	208,973,607		\$ (11,283,763)	
NONCORE MARKET RATE SCHEDULES								
7	Pipeline Transportation	685/686		-	-	\$ -	\$ -	
8	Distribution	663	191	431,839,404	17,478,407	\$ -	\$ -	0.00%
9	Special Contracts	9xx	11	280,370,242	6,119,015			
10	Subtotal Non-core		202	712,209,646	23,597,422		\$ -	
11	CORE & NON-CORE		213,347	947,435,063	232,571,029		\$ (11,283,763)	-4.85%

Cascade Natural Gas Corporation
TTA TYPICAL MONTHLY THERM USAGE AND COST BY CLASS
FOR TWELVE MONTHS ENDED 7/31/2018
State of Washington

Line No.	Description (a)	Therm Sales (b)	Revenue at 11/01/2017 Rates (c)	Per Therm Rate Change (d)	Amount of Change (e)	Percent Change (f)
1	Residential (503)	120,761,917	115,712,024	\$ (0.04797)	(5,792,949)	-5.01%
2	Commercial (504)	85,789,305	74,328,878	\$ (0.04797)	(4,115,313)	-5.54%
3	Industrial (505)	12,424,359	8,588,587	\$ (0.04797)	(595,996)	-6.94%
4	Industrial Lg Vol (511)	14,072,731	9,092,266	\$ (0.04797)	(675,069)	-7.42%
5	Interruptible (570)	2,177,106	1,251,852	\$ (0.04797)	(104,436)	-8.34%
6	Noncore Dist (663)	431,839,404	17,478,407	\$ -	0	0.00%

Cascade Natural Gas Corporation
TTA PROPOSED TYPICAL MONTHLY BILL BY CLASS
FOR TWELVE MONTHS ENDED 7/31/2018
State of Washington

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Line No.	Description (a)	Typical Monthly Therm Use (b)	Avg Bill @ 11/01/2017 Rates (c)	Present Filing Changes (d)	Proposed Typical Bill (e)	Percent Change (f)
1	Residential (503)	54	\$ 51.69	\$ (2.59)	\$ 49.10	-5.01%
2	Commercial (504)	275	\$ 237.97	\$ (13.18)	\$ 224.79	-5.54%
3	Industrial (505)	N/A*	\$ 0.69127	\$ (0.04797)	\$ 0.64330	-6.94%
4	Industrial Lg Vol (511)	N/A*	\$ 0.64609	\$ (0.04797)	\$ 0.59812	-7.42%
5	Interruptible (570)	N/A*	\$ 0.57501	\$ (0.04797)	\$ 0.52704	-8.34%
6	Noncore Dist (663)	N/A*	\$ 0.04047	\$ -	\$ 0.04047	0.00%

**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*