

EXHIBIT A

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

CASCADE NATURAL GAS CORPORATION

Annual Purchased Gas Cost and
Temporary Technical Adjustments

CNGC WUTC Advice No.
W23-09-01 September 15, 2023

CASCADE NATURAL GAS CORPORATION

EXHIBIT A

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Cascade Natural Gas Corporation
 WASHINGTON 22/23 PURCHASED GAS COST TRACKING APPLICATION
 DEVELOPMENT OF EMBEDDED SUPPLY & PIPELINE TRANSPORTATION RATES

CNGC Advice W23-09-01
 PGA Exhibit A
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	UNITS	RATE	AMOUNT	CURRENT COST OF GAS	
				COMMODITY	DEMAND
CANADIAN UPSTREAM RESV COSTS	229,014	\$17.163381	\$3,930,650		\$3,930,650
DOMESTIC UPSTREAM NON-DIRECT RESV COSTS	16,299	\$13.500000	\$220,040		\$220,040
SUPPLY DEMAND CHARGES			\$50,361	\$50,361	
COMPANY CONTRACT SUPPLY COMMODITY	227,991,412	\$0.523813	\$119,424,942	\$119,424,942	
GTN T-1 Agmt 00179	103,021	\$7.907699	\$814,658		\$814,658
GTN T-1 (Malin) Agmt 18507	89,134	\$4.505805	\$401,620		\$401,620
GTN T-3 (Expansion) Agmt 00152	0	\$3.476603	\$0		\$0
GTN 2003 Expansion Agmt 09844	0	\$4.505805	\$0		\$0
GTN South to North #13687	16,299	\$4.349388	\$70,892		\$70,892
GTN COMMODITY	15,982,705	\$0.002861	\$45,730	\$45,730	
NWP TF-1 100002 (principle transport--All Rec/All Del contract)	1,810,513	\$13.596250	\$24,701,298		\$24,701,298
NWP TF-1 Direct to Washington /1	292,160	\$13.596250	\$3,972,280		\$3,972,280
NWP TF-1 Split to specific OR and WA points	441,477	\$13.596250	\$6,002,437		\$6,002,437
NWP TF-1 Weyerhaeuser	50,000	\$13.596250	\$679,813		\$679,813
TF-1 COMMODITY	256,349,197	\$0.001055	\$270,448	\$270,448	
PLY-1 DEMAND	534,803	\$1.144640	\$612,157		\$612,157
PLY-1 CAPACITY	5,011,103	\$0.146365	\$733,450		\$733,450
PLY-1 STORAGE COMMODITY	5,011,103	\$0.387935	\$1,943,984	\$1,943,984	
PLY-1 INVENTORY	5,011,103	\$0.023315	\$116,833		\$116,833
PLY-1 LIQUEFACTION	5,011,103	\$0.058646	\$293,881		\$293,881
PLY-1 VAPORIZATION	5,011,103	\$0.007272	\$36,441		\$36,441
TF-2 TRANSPORTATION CAPACITY	13,729	\$13.596250	\$186,664		\$186,664
TF-2 TRANSPORTATION COMMODITY	5,011,103	\$0.000935	\$4,685	\$4,685	
PLY-2 DEMAND	161,555	\$1.144640	\$184,922		\$184,922
PLY-2 CAPACITY	891,338	\$0.146365	\$130,461		\$130,461
PLY-2 STORAGE COMMODITY	891,338	\$0.379667	\$338,411	\$338,411	
PLY-2 INVENTORY	891,338	\$0.022818	\$20,339		\$20,339
PLY-2 LIQUEFACTION	891,338	\$0.058646	\$52,273		\$52,273
PLY-2 VAPORIZATION	891,338	\$0.007272	\$6,482		\$6,482
TF-2 TRANSPORTATION CAPACITY	2,442	\$13.596250	\$33,202		\$33,202
TF-2 TRANSPORTATION COMMODITY	891,338	\$0.000935	\$833	\$833	
JP-1 DEMAND	149,647	\$0.810300	\$121,259		\$121,259
JP-1 CAPACITY	5,386,811	\$0.029565	\$159,261		\$159,261
JP-1 STORAGE COMMODITY	5,386,811	\$0.538915	\$2,903,034	\$2,903,034	
JP-1 INVENTORY	5,386,811	\$0.032389	\$174,472		\$174,472
TF-2 TRANSPORTATION CAPACITY	14,758	\$13.596250	\$200,659		\$200,659
TF-2 TRANSPORTATION COMMODITY	5,386,811	\$0.000935	\$5,037	\$5,037	
JP-2 DEMAND	267,401	\$1.238445	\$331,162		\$331,162
JP-2 CAPACITY	3,119,684	\$0.106215	\$331,357		\$331,357
JP-2 STORAGE COMMODITY	3,119,684	\$0.535723	\$1,671,289	\$1,671,289	
JP-2 INVENTORY	3,119,684	\$0.032167	\$100,444		\$100,444
TF-1 TRANSPORTATION CAPACITY	8,547	\$13.596250	\$116,208		\$116,208
TF-1 TRANSPORTATION COMMODITY	3,119,684	\$0.000935	\$2,917	\$2,917	
JP-3 DEMAND	54,167	\$0.810300	\$43,891		\$43,891
JP-3 CAPACITY	1,590,682	\$0.029565	\$47,029		\$47,029
JP-3 STORAGE COMMODITY	1,590,682	\$0.549895	\$874,709	\$874,709	
JP-3 INVENTORY	1,590,682	\$0.033049	\$52,570		\$52,570
TF-2 TRANSPORTATION CAPACITY	4,358	\$13.596250	\$59,253		\$59,253
TF-2 TRANSPORTATION COMMODITY	1,590,682	\$0.000935	\$1,487	\$1,487	
JP-4 DEMAND	31,197	\$0.810300	\$25,279		\$25,279
JP-4 CAPACITY	916,135	\$0.029565	\$27,086		\$27,086
JP-4 STORAGE COMMODITY	916,135	\$0.522827	\$478,980	\$478,980	
JP-4 INVENTORY	916,135	\$0.031422	\$28,787		\$28,787
TF-2 TRANSPORTATION CAPACITY	2,510	\$13.596250	\$34,126		\$34,126
TF-2 TRANSPORTATION COMMODITY	916,135	\$0.000935	\$857	\$857	
MIST DEMAND	267,401	\$5.558172	\$1,486,263		\$1,486,263
MIST CAPACITY	5,348,029	\$0.067256	\$359,686		\$359,686
MIST STORAGE COMMODITY	5,348,029	\$0.310786	\$1,662,090	\$1,662,090	
MIST INVENTORY	5,348,029	\$0.018678	\$99,892		\$99,892
TRANSPORTATION CAPACITY	14,652	\$13.596250	\$199,214		\$199,214
TRANSPORTATION COMMODITY	5,348,029	\$0.000935	\$5,000	\$5,000	
MIST2 DEMAND	178,268	\$4.460400	\$795,145		\$795,145
MIST2 CAPACITY	9,269,917	\$0.080000	\$556,195		\$556,195
MIST2 STORAGE COMMODITY	9,269,917	\$0.510378	\$4,731,158	\$4,731,158	
MIST2 INVENTORY	9,269,917	\$0.030674	\$284,343		\$284,343
TRANSPORTATION CAPACITY	25,397	\$13.596250	\$345,304		\$345,304
TRANSPORTATION COMMODITY	9,269,917	\$0.000935	\$8,667	\$8,667	
WINTER PEAKING RESERVATION (WWP)	0	\$0.000000	\$0		\$0
WINTER PEAKING COMMODITY	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)			(\$3,980,227)		(\$3,980,227)
DAILY BALANCING NON-CORE CREDIT	841,988,357	(\$0.00040)	(\$336,795)		(\$336,795)
WA COMMODITY VOLUMES FOR CORE RESOURCES	259,525,113		\$179,287,275	\$134,424,621	\$44,862,654
LAST SALES/TRANSPORT VOLUMES Demand				259,525,113	259,525,113
LAST PROPOSED AVERAGE RATE				\$0.52438	\$0.17501

	UNITS	CURRENT RATE	AMOUNT	CURRENT COST OF GAS		EMBEDDED DIFFERENCE	COMMODITY UNITS
				COMMODITY	DEMAND		
CANADIAN UPSTREAM RESV COSTS	264,336	\$15.64336	\$4,135,110			\$4,135,110	\$204,460
DOMESTIC UPSTREAM NON-DIRECT RESV COSTS	16,181	\$13.57500	\$219,653			\$219,653	(\$387)
HEDGING ADMIN COSTS			\$50,369	\$50,369			\$8
COMPANY CONTRACT SUPPLY COMMODITY	230,944,665	\$0.43357	\$100,129,781	\$100,129,781			(\$19,295,162)
GTN T-1 Agmt 00179	103,112	\$7.92936	\$817,615			\$817,615	\$2,957
GTNX #20180 November 1, 2023	21,574	\$10.24800	\$221,093			\$221,093	\$221,093
GTN T-1 (Malin) Agmt 18507	10,787	\$4.53084	\$48,875			\$48,875	(\$352,745)
GTN T-3 (Expansion) Agmt 00152	0	\$3.49592	\$0			\$0	\$0
GTN 2003 Expansion Agmt 08844	0	\$4.53084	\$0			\$0	\$0
GTN South to North #13687	16,181	\$4.36130	\$70,569			\$70,569	(\$323)
GTN COMMODITY	44,429,765	\$0.00286	\$127,122	\$127,122			\$81,393
NWP TF-1 100002 (principle transport--All Rec/All Del contract)	1,812,119	\$13.63350	\$24,790,647			\$24,790,647	\$89,348
NWP TF-1 Direct to Washington /1	292,160	\$13.63350	\$3,983,163			\$3,983,163	\$10,883
NWP TF-1 Split to specific OR and WA points	441,614	\$13.63350	\$6,020,748			\$6,020,748	\$18,311
NWP TF-1 Weyerhaeuser	50,000	\$13.63350	\$681,675			\$681,675	\$1,863
TF-1 COMMODITY	259,295,142	\$0.00109	\$281,335	\$281,335			\$10,887
PLY-1 DEMAND	535,277	\$1.14778	\$614,378			\$614,378	\$2,222
PLY-1 CAPACITY	5,015,548	\$0.14677	\$736,112			\$736,112	\$2,662
PLY-1 STORAGE COMMODITY	5,015,548	\$0.40395	\$2,026,028	\$2,026,028			\$92,044
PLY-1 INVENTORY	5,015,548	\$0.024277	\$121,764			\$121,764	\$4,931
PLY-1 LIQUEFACTION	5,015,548	\$0.05865	\$294,142			\$294,142	\$261
PLY-1 VAPORIZATION	5,015,548	\$0.00727	\$36,473			\$36,473	\$32
TF-2 TRANSPORTATION CAPACITY	13,704	\$13.63350	\$186,829			\$186,829	\$166
TF-2 TRANSPORTATION COMMODITY	5,015,548	\$0.00094	\$4,690	\$4,690			\$4
PLY-2 DEMAND	161,698	\$1.14778	\$185,593			\$185,593	\$671
PLY-2 CAPACITY	892,129	\$0.14677	\$130,934			\$130,934	\$473
PLY-2 STORAGE COMMODITY	892,129	\$0.58261	\$519,763	\$519,763			\$181,352
PLY-2 INVENTORY	892,129	\$0.035015	\$31,238			\$31,238	\$10,899
PLY-2 LIQUEFACTION	892,129	\$0.05865	\$52,320			\$52,320	\$46
PLY-2 VAPORIZATION	892,129	\$0.00727	\$6,488			\$6,488	\$6
TF-2 TRANSPORTATION CAPACITY	2,438	\$13.63350	\$33,232			\$33,232	\$29
TF-2 TRANSPORTATION COMMODITY	892,129	\$0.00094	\$834	\$834			\$1
JP-1 DEMAND	149,780	\$0.81252	\$121,699			\$121,699	\$440
JP-1 CAPACITY	5,391,589	\$0.02965	\$159,839			\$159,839	\$578
JP-1 STORAGE COMMODITY	5,391,589	\$0.25547	\$1,377,404	\$1,377,404			(\$1,525,630)
JP-1 INVENTORY	5,391,589	\$0.015354	\$82,782			\$82,782	(\$91,690)
TF-2 TRANSPORTATION CAPACITY	14,731	\$13.63350	\$200,837			\$200,837	\$178
TF-2 TRANSPORTATION COMMODITY	5,391,589	\$0.00094	\$5,041	\$5,041			\$4
JP-2 DEMAND	267,639	\$1.24184	\$332,364			\$332,364	\$1,202
JP-2 CAPACITY	3,122,451	\$0.10651	\$332,560			\$332,560	\$1,203
JP-2 STORAGE COMMODITY	3,122,451	\$0.32002	\$999,254	\$999,254			(\$672,035)
JP-2 INVENTORY	3,122,451	\$0.019233	\$60,055			\$60,055	(\$40,389)
TF-1 TRANSPORTATION CAPACITY	8,531	\$13.63350	\$116,311			\$116,311	\$103
TF-1 TRANSPORTATION COMMODITY	3,122,451	\$0.00094	\$2,919	\$2,919			\$3
JP-3 DEMAND	54,215	\$0.81252	\$44,051			\$44,051	\$159
JP-3 CAPACITY	1,592,093	\$0.02965	\$47,199			\$47,199	\$171
JP-3 STORAGE COMMODITY	1,592,093	\$0.25381	\$404,092	\$404,092			(\$470,617)
JP-3 INVENTORY	1,592,093	\$0.015254	\$24,286			\$24,286	(\$28,284)
TF-2 TRANSPORTATION CAPACITY	4,350	\$13.63350	\$59,305			\$59,305	\$53
TF-2 TRANSPORTATION COMMODITY	1,592,093	\$0.00094	\$1,489	\$1,489			\$1
JP-4 DEMAND	31,225	\$0.81252	\$25,371			\$25,371	\$92
JP-4 CAPACITY	916,948	\$0.02965	\$27,184			\$27,184	\$98
JP-4 STORAGE COMMODITY	916,948	\$0.28962	\$265,563	\$265,563			(\$213,417)
JP-4 INVENTORY	916,948	\$0.017406	\$15,960			\$15,960	(\$12,826)
TF-2 TRANSPORTATION CAPACITY	2,505	\$13.63350	\$34,156			\$34,156	\$30
TF-2 TRANSPORTATION COMMODITY	916,948	\$0.00094	\$857	\$857			\$1
MIST DEMAND	267,639	\$5.57340	\$1,491,657			\$1,491,657	\$5,394
MIST CAPACITY	5,352,773	\$0.06744	\$360,991			\$360,991	\$1,305
MIST STORAGE COMMODITY	5,352,773	\$0.31079	\$1,663,563	\$1,663,563			\$1,473
MIST INVENTORY	5,352,773	\$0.018678	\$99,980			\$99,980	\$89
TRANSPORTATION CAPACITY	14,625	\$13.63350	\$199,391			\$199,391	\$177
TRANSPORTATION COMMODITY	5,352,773	\$0.00094	\$5,005	\$5,005			\$4
MIST2 DEMAND	178,426	\$4.47262	\$798,031			\$798,031	\$2,886
MIST2 CAPACITY	9,278,140	\$0.06016	\$558,214			\$558,214	\$2,019
MIST2 STORAGE COMMODITY	9,278,140	\$0.35138	\$3,260,160	\$3,260,160			(\$1,470,998)
MIST2 INVENTORY	9,278,140	\$0.021118	\$195,936			\$195,936	(\$88,407)
TRANSPORTATION CAPACITY	25,350	\$13.63350	\$345,611			\$345,611	\$306
TRANSPORTATION COMMODITY	9,278,140	\$0.00094	\$8,675	\$8,675			\$8
WINTER PEAKING RESERVATION (WWP)	0	\$0.00000	\$0			\$0	\$0
WINTER PEAKING COMMODITY	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) and Other Credits			(\$3,853,759)			(\$3,853,759)	\$126,468
DAILY BALANCING NON-CORE CREDIT	841,988,357	(\$0.00040)	(\$336,795)			(\$336,795)	\$0
WA COMMODITY VOLUMES FOR CORE RESOURCES	262,506,335		\$156,095,808	\$111,133,944		\$44,961,864	(\$23,191,467)
SALES/TRANSPORT VOLUMES(Mainline Gas Costs)				262,506,335		262,506,335	
PROPOSED AVERAGE RATE(Mainline Gas Costs)				\$0.42336		\$0.17128	\$0.59464
Forecasted PGA Volumes (City Gate Gas Costs)				259,295,142		259,295,142	
PROPOSED AVERAGE RATE(City Gate Gas Costs)				\$0.42860		\$0.17340	\$0.60200
CURRENT AVERAGE RATE IN RATES				\$0.52438		\$0.17501	\$0.69939
GROSS RATE CHANGE				(\$0.09578)		(\$0.00161)	(\$0.09739)
REVENUE ADJUSTMENT FACTOR		UG-210755		0.04423		0.04423	0.04423
TOTAL PROPOSED ADJUSTMENT				(\$0.10022)		(\$0.00169)	(\$0.10190)
proposed rate w/revenue factor			\$	0.44843			
current rate w/revenue factor			\$	0.54865			
			\$	(0.10022)			

CASCADE NATURAL GAS CORPORATION
2023 PGA Gas Demand Cost Allocation

	Current	Proposed
From Summary-WA Gas Cost Tracking tab		
Demand Costs	\$ 44,862,654	\$44,961,864
Commodity Costs	134,424,621	111,133,944

Rate Schedule	503	504	505/511	570	Total
Current Demand Rates	0.17537	0.17272	0.15963	0.14659	
% change (same for each sch)	-0.902%	-0.902%	-0.902%	-0.902%	
Proposed Demand Increment	0.17379	0.17116	0.15819	0.14527	
Proposed Demand Costs Collect	\$ 23,543,042	\$ 17,821,965	\$ 3,284,340	\$ 312,518	\$ 44,961,864
Proposed Change in Demand	(0.00158)	(0.00156)	(0.00144)	(0.00132)	
Revenue Adjustment Factor	0.95577	0.95577	0.95577	0.95577	
Proposed Rate Adjustment	\$ (0.00166)	\$ (0.00163)	\$ (0.00151)	\$ (0.00138)	
Proposed Volumes	135,469,736	104,123,309	20,761,971	2,151,320	262,506,335

Cascade Natural Gas Corporation
PGA AMOUNT OF CHANGE BY RATE SCHEDULE
Bills and Revenues Based Upon the Twelve Months Ended 7/31/23
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 (f)	Amount of Change (g)	Percent Change (h)
CORE MARKET RATE SCHEDULES								
1	Residential	503	202,519	130,555,024	189,128,913	(0.10188)	(13,300,946)	-7.03%
2	Commercial	504	27,445	97,016,893	125,824,675	(0.10185)	(9,881,171)	-7.85%
3	Industrial Firm	505	492	12,744,910	14,063,320	(0.10173)	(1,296,540)	-9.22%
4	Large Volume	511	100	16,795,288	18,059,049	(0.10173)	(1,708,585)	-9.46%
5	Industrial Interruptible	570	7	2,183,028	2,023,502	(0.10160)	(221,796)	-10.96%
6	Total Core		230,563	259,295,142	349,099,460		(26,409,036)	-7.56%

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

Line No.	Type of Service	UG-210755		Current 3/1/2023 Billing Rates	Current 3/1/2023 Average Bill <i>e=c+(b*d)</i>	Proposed 11/1/2023 PGA Effects	Proposed 11/1/2023 PGA Effect Average Bill <i>g=c+(b*f)</i>	Bill Difference	Proposed 11/1/2023 PGA Effects % Bill Change
		Typical Monthly Therm Used	Basic Service Charge						
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Residential, Schedule 503	54	\$5	\$1.30059	\$75.23	\$1.19871	\$69.73	-\$5.50	-7.31%
2	Commercial, Schedule 504	271	\$13	\$1.25728	\$353.72	\$1.15543	\$326.12	-\$27.60	-7.80%
3	Industrial Firm, Schedule 505		\$60						
4	First 500 therms			\$1.15619	\$638.10	\$1.05446	\$587.23		
5	Next 3,500 therms			\$1.11688	\$1,666.38	\$1.01515	\$1,514.60		
6	Over 4,000 therms			\$1.11094		\$1.00921			
7	Total 505	1,992			\$2,304.48		\$2,101.83	-\$202.65	-8.79%
8	Large Volume, Schedule 511		\$125						
9	First 20,000 therms			\$1.06448	\$17,836.88	\$0.96275	\$16,144.20		
10	Next 80,000 therms			\$1.02575		\$0.92402			
11	Over 100,000 therms			\$0.92994		\$0.82821			
12	Total 511	16,639			\$17,836.88		\$16,144.20	-\$1,692.69	-9.49%
13	Industrial Interruptible, Schedule 570		\$163						
14	First 30,000 therms			\$0.99783	\$23,345.58	\$0.89623	\$20,985.11		
15	Over 30,000 therms			\$0.93246		\$0.83086			
16	Total 570	23,233			\$23,345.58		\$20,985.11	-\$2,360.47	-10.11%

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

Line No.	<u>Description</u>	503 Residential <u>Customers</u>	504 Commercial <u>Customers</u>	505/511 Firm Indust <u>Customers</u>	570 Interruptible <u>Customers</u>
1	WACOG Effective November 1, 2022	\$0.73214	\$0.72936	\$0.71567	\$0.70202
	<u>Proposed Incremental Change</u>				
2	Residential	(\$0.10188)			
3	Commercial		(\$0.10185)		
4	Industrial Firm			(\$0.10173)	
5	Interruptible - CORE				(\$0.10160)
6	NON-CORE Customers				
7	Total Proposed Rate	\$0.63026	\$0.62751	\$0.61394	\$0.60042

TTA CALCULATION OF PER THERM RATES TO AMORTIZE DEFERRED ACCOUNTS

Line No.	Consolidated Account (a)	Account Balance 7/31/2023 (b)	Interest Assignments & Amortization through 10/31/2023 (c)	Interest Accruals Through Am. (d)	Revenue Sensitive costs (e)	Amount (f)	PROPOSED TECH. ADJUSTMENTS		Proposed Period of Am. (j)	Item (k)
							503/504 (g)	All Other Core (h)		
1	Core Market Commodity Costs	\$ 151,045,650	\$ 3,074,159	\$ 11,136,349	\$7,647,530	\$ 172,903,689				
				Divide by		518,590,284	0.33341	0.33341	2 Year	Core Gas Deferrals Core
2	Core Market Demand Costs & TTA Residual	\$ (9,507,685)	\$ (5,895,029)	\$ (494,564)	\$ (735,676)	\$ (16,632,953)				
				Divide by		259,295,142	\$ (0.06415)	\$ (0.06415)	1 Year	Core Gas Deferrals Core
3										
4										
5										
6										
7	TOTAL	\$ 141,537,965	\$ (2,820,870)	\$ 10,641,785	\$6,911,855	\$ 156,270,735	\$ 0.26926	\$ 0.26926		

Cascade Natural Gas Corporation
TTA DERIVATION OF PROPOSED RATE LEVEL WITHIN
RATE ADDITION SCHEDULE NO. 590
State of Washington

Line No.	Description (a)	Rate Schedule (b)	Reverse Prior Temporary Rate Adj. (c)	Gas Cost Related Temporary Rate Adj. (d)	Incremental R/S 590 Rate Change (e)	Posted R/S 590 Tariff Rate (f)
CORE MARKET RATE SCHEDULES						
1	Residential	503	\$ (0.17021)	\$ 0.26926	\$ 0.09905	\$ 0.26926
2	Commercial	504	\$ (0.17021)	\$ 0.26926	\$ 0.09905	\$ 0.26926
3	Com-Ind Dual Service	511	\$ (0.17021)	\$ 0.26926	\$ 0.09905	\$ 0.26926
4	Industrial Firm	505	\$ (0.17021)	\$ 0.26926	\$ 0.09905	\$ 0.26926
5	Industrial Interr.	570	\$ (0.17021)	\$ 0.26926	\$ 0.09905	\$ 0.26926

6 (c) from 2022 TTA Exhibit A , Page 7 of 10

7 (d) from TTA Exhibit A, Page 7 of 10

Cascade Natural Gas Corporation
TTA AMOUNT OF CHANGE BY RATE SCHEDULE
Bills and Revenues Based Upon the Twelve Months Ended 7/31/23
State of Washington

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)	Percent Change (h)
CORE MARKET RATE SCHEDULES								
1	Residential	503	202,519	130,555,024	189,128,913	\$ 0.09905	\$ 12,931,475	6.84%
2	Commercial	504	27,445	97,016,893	125,824,675	\$ 0.09905	\$ 9,609,523	7.64%
3	Industrial Firm	505	492	12,744,910	14,063,320	\$ 0.09905	\$ 1,262,383	8.98%
4	Large Volume	511	100	16,795,288	18,059,049	\$ 0.09905	\$ 1,663,573	9.21%
5	Industrial Interruptible	570	7	2,183,028	2,023,502	\$ 0.09905	\$ 216,229	10.69%
6	Total Core		230,563	259,295,142	349,099,460		\$ 25,683,184	7.36%

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

Line No.	Type of Service	UG-210755		Current	Current	Proposed	Proposed	Bill Difference	Proposed
		Typical Monthly Therm Used	Basic Service Charge	3/1/2023 Billing Rates	3/1/2023 Average Bill	11/1/2023 TTA Effects	11/1/2023 TTA Effect Average Bill		11/1/2023 TTA Effects
	(a)	(b)	(c)	(d)	e=c+(b*d) (e)	(f)	g=c+(b*f) (g)	(h)	(i)
1	Residential, Schedule 503	54	\$5	\$1.30059	\$75.23	\$1.39964	\$80.58	\$5.35	7.11%
2	Commercial, Schedule 504	271	\$13	\$1.25728	\$353.72	\$1.35633	\$380.57	\$26.84	7.59%
3	Industrial Firm, Schedule 505		\$60						
4	First 500 therms			\$1.15619	\$638.10	\$1.25524	\$687.62		
5	Next 3,500 therms			\$1.11688	\$1,666.38	\$1.21593	\$1,814.17		
6	Over 4,000 therms			\$1.11094		\$1.20999			
7	Total 505	1,992			\$2,304.48		\$2,501.79	\$197.31	8.56%
8	Large Volume, Schedule 511		\$125						
9	First 20,000 therms			\$1.06448	\$17,836.88	\$1.16353	\$19,484.98		
10	Next 80,000 therms			\$1.02575		\$1.12480			
11	Over 100,000 therms			\$0.92994		\$1.02899			
12	Total 511	16,639			\$17,836.88		\$19,484.98	\$1,648.09	9.24%
13	Industrial Interruptible, Schedule 570		\$163						
14	First 30,000 therms			\$0.99783	\$23,345.58	\$1.09688	\$25,646.81		
15	Over 30,000 therms			\$0.93246		\$1.03151			
16	Total 570	23,233			\$23,345.58		\$25,646.81	\$2,301.23	9.86%