

EXHIBIT A

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

CASCADE NATURAL GAS CORPORATION

Annual Purchased Gas Cost and
Temporary Technical Adjustments

CNGC WUTC Advice No.
W22-09-01 September 15, 2022

CASCADE NATURAL GAS CORPORATION

EXHIBIT A

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Cascade Natural Gas Corporation
 WASHINGTON 21/22 PURCHASED GAS COST TRACKING APPLICATION
DEVELOPMENT OF EMBEDDED SUPPLY & PIPELINE TRANSPORTATION RATES

CNGC Advice W22-09-01
 PGA Exhibit A
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Shaded means requires manual entry from Prior Year Washington PGA Gas Cost Workbook

	UNITS	RATE	AMOUNT	CURRENT COST OF GAS	
				COMMODITY	DEMAND
CANADIAN UPSTREAM RESV COSTS	233,454	\$14.986495	\$3,498,650		\$3,498,650
DOMESTIC UPSTREAM NON-DIRECT RESV COSTS	16,824	\$13.500000	\$227,121		\$227,121
SUPPLY DEMAND CHARGES	279,695	\$3.189321	\$892,035	\$892,035	
COMPANY CONTRACT SUPPLY COMMODITY	227,107,411	\$0.313251	\$71,141,724	\$71,141,724	
GTN T-1 Agmt 00179	102,617	\$7.907699	\$811,462		\$811,462
GTN T-1 (Malin) Agmt 18507	88,784	\$4.505805	\$400,044		\$400,044
GTN T-3 (Expansion) Agmt 00152	0	\$3.476603	\$0		\$0
GTN 2003 Expansion Agmt 08844	0	\$4.505805	\$0		\$0
GTN South to North Agmt 12094	16,824	\$4.349388	\$73,173		\$73,173
GTN COMMODITY	17,535,069	\$0.002861	\$50,171	\$50,171	
NWP TF-1 10002 (principle transport--All Rec/All Del contract)	1,803,410	\$14.247045	\$25,785,416		\$25,785,416
NWP TF-1 Direct to Washington /1	292,160	\$14.247045	\$4,162,417		\$4,162,417
NWP TF-1 Split to specific OR and WA points	440,872	\$14.247045	\$6,281,123		\$6,281,123
NWP TF-1 Weyerhaeuser	50,000	\$14.247045	\$712,352		\$712,352
TF-1 COMMODITY	251,426,886	\$0.000942	\$236,844	\$236,844	
LS-1 DEMAND	532,705	\$0.944255	\$503,009		\$503,009
LS-1 CAPACITY	887,841	\$0.120815	\$107,265		\$107,265
LS-1 COMMODITY	887,841	\$0.328999	\$292,098	\$292,098	
LS-INVENTORY	887,841	\$0.019773	\$17,555		\$17,555
LS-1 LIQUEFACTION	887,841	\$0.090855	\$80,665		\$80,665
LS-1 VAPORIZATION	887,841	\$0.003386	\$3,006		\$3,006
TF-2 TRANSPORTATION CAPACITY	2,432	\$14.247045	\$34,655		\$34,655
TF-2 TRANSPORTATION COMMODITY	887,841	\$0.000832	\$739	\$739	
LS-2 DEMAND	160,921	\$ 0.944255	\$151,951		\$151,951
LS-2 CAPACITY	4,991,443	\$ 0.120815	\$603,041		\$603,041
LS-2 COMMODITY	4,991,443	\$ 0.335830	\$1,676,276	\$1,676,276	
LS-INVENTORY	4,991,443	\$ 0.020183	\$100,744		\$100,744
LS-2 LIQUEFACTION	4,991,443	\$ 0.090855	\$453,498		\$453,498
LS-2 VAPORIZATION	4,991,443	\$ 0.003386	\$16,901		\$16,901
TF-2 TRANSPORTATION CAPACITY	13,675	\$ 14.247045	\$194,831		\$194,831
TF-2 TRANSPORTATION COMMODITY	4,991,443	\$ 0.000832	\$4,153	\$4,153	
SGS-1 DEMAND	149,060	\$0.570130	\$84,983		\$84,983
SGS-1 CAPACITY	5,365,677	\$0.020805	\$111,633		\$111,633
SGS-1 COMMODITY	5,365,677	\$0.257455	\$1,381,420	\$1,381,420	
SGS-1 INVENTORY	5,365,677	\$0.015473	\$83,023		\$83,023
TF-2 TRANSPORTATION CAPACITY	14,700	\$14.247045	\$209,438		\$209,438
TF-2 TRANSPORTATION COMMODITY	5,365,677	\$0.000832	\$4,464	\$4,464	
SGS-JPEXP DEMAND	266,352	\$1.480440	\$394,319		\$394,319
SGS-JPEXP CAPACITY	3,107,444	\$0.127020	\$394,708		\$394,708
SGS-JPEXP STORAGE COMMODITY	3,107,444	\$0.280752	\$872,420	\$872,420	
SGS-JPEXP INVENTORY	3,107,444	\$0.016873	\$52,432		\$52,432
TF-1 TRANSPORTATION CAPACITY	8,514	\$14.247045	\$121,293		\$121,293
TF-1 TRANSPORTATION COMMODITY	3,107,444	\$0.000832	\$2,585	\$2,585	
SGS-JP3 DEMAND	60,770	\$0.570130	\$34,647		\$34,647
SGS-JP3 CAPACITY	1,584,441	\$0.020805	\$32,964		\$32,964
SGS-JP3 STORAGE COMMODITY	1,584,441	\$0.247295	\$308,745	\$308,745	
SGS-JP3 STORAGE INVENTORY	1,584,441	\$0.011711	\$18,556		\$18,556
TF-2 TRANSPORTATION CAPACITY	4,341	\$14.247045	\$61,846		\$61,846
TF-2 TRANSPORTATION COMMODITY	1,584,441	\$0.000832	\$1,318	\$1,318	
SGS-JP4 DEMAND	35,000	\$ 0.570130	\$19,955		\$ 19,955
SGS-JP4 CAPACITY	912,541	\$ 0.020805	\$18,985		\$ 18,985
SGS-JP4 STORAGE COMMODITY	912,541	\$ 0.259422	\$323,885	\$323,885	
SGS-JP4 STORAGE INVENTORY	912,541	\$ 0.021331	\$19,465		\$ 19,465
TF-2 TRANSPORTATION CAPACITY	2,500	\$ 14.247045	\$35,619		\$ 35,619
TF-2 TRANSPORTATION COMMODITY	912,541	\$ 0.000832	\$759	\$759	
SGS-MIST DEMAND	266,352	\$5.573400	\$1,484,488		\$1,484,488
SGS-MIST CAPACITY	5,327,047	\$0.067440	\$359,256		\$359,256
SGS-MIST STORAGE COMMODITY	5,327,047	\$0.292707	\$1,559,264	\$1,559,264	
SGS-MIST STORAGE INVENTORY	5,327,047	\$0.017592	\$93,712		\$93,712
TRANSPORTATION CAPACITY	14,595	\$14.247045	\$207,931		\$207,931
TRANSPORTATION COMMODITY	5,327,047	\$0.000832	\$4,432	\$4,432	
SGS-TBD2 DEMAND	177,568	\$4.604000	\$792,025		\$792,025
SGS-TBD2 CAPACITY	4,794,343	\$0.060000	\$287,661		\$287,661
SGS-TBD2 STORAGE COMMODITY	4,794,343	\$0.294984	\$1,414,252	\$1,414,252	
SGS-TBD2 INVENTORY	4,794,343	\$0.017729	\$84,997		\$84,997
TF-2 TRANSPORTATION CAPACITY	13,135	\$14.247045	\$187,138		\$187,138
TF-2 TRANSPORTATION COMMODITY	4,794,343	\$0.000832	\$3,989	\$3,989	
WINTER PEAKING RESERVATION (WWP)	0	\$0.00000	\$0		\$0
WINTER PEAKING COMMODITY	0	\$0.00000	\$0	\$0	
TF-2 TRANSPORTATION CAPACITY	0	\$0.00000	\$0		\$0
TF-2 TRANSPORTATION COMMODITY	0	\$0.00000	\$0	\$0	
Core Mitigation (Net Capacity Release and Storage Revenues)			(\$4,344,447)		(\$4,344,447)
DAILY BALANCING NON-CORE CREDIT	764,947,364	(\$0.00040)	(\$305,979)		(\$305,979)
WA COMMODITY VOLUMES FOR CORE RESOURCES	254,078,190		\$124,931,101	\$80,171,574	\$44,759,527
LAST SALES/TRANSPORT VOLUMES Demand				254,078,190	254,078,190
LAST PROPOSED AVERAGE RATE				\$0.31554	\$0.17616

	UNITS	CURRENT RATE	AMOUNT	CURRENT COST OF GAS		EMBEDDED DIFFERENCE	COMMODITY UNITS
				COMMODITY	DEMAND		
CANADIAN UPSTREAM RESV COSTS	229,014	\$17.16338	\$3,930,650		\$3,930,650	\$ 432,000	
DOMESTIC UPSTREAM NON-DIRECT RESV COSTS	16,299	\$13.50000	\$220,040		\$220,040	\$ (7,081)	
HEDGING ADMIN COSTS			\$50,361	\$50,361		\$ (841,674)	
COMPANY CONTRACT SUPPLY COMMODITY	227,991,412	\$0.52381	\$ 119,424,942	\$119,424,942		\$ 48,283,219	227,991,412
GTN T-1 Agmt 00179	103,021	\$7.90770	\$814,658		\$814,658	\$ 3,196	
GTN T-1 (Main) Agmt 18507	89,134	\$4.50581	\$401,620		\$401,620	\$ 1,576	
GTN T-3 (Expansion) Agmt 00152	0	\$3.47660	\$0		\$0	\$ -	
GTN 2003 Expansion Agmt 08844	0	\$4.50581	\$0		\$0	\$ -	
GTN South to North #13687	16,299	\$4.34939	\$70,892		\$70,892	\$ (2,281)	
GTN COMMODITY	15,982,705	\$0.02886	\$45,730	\$45,730		\$ (84,442)	
NWP TF-1 100002 (principle transport-All Rec/All Del contract)	1,810,513	\$13.59625	\$24,701,298		\$24,701,298	\$ (1,084,118)	
NWP TF-1 Direct to Washington /1	292,160	\$13.59625	\$3,972,280		\$3,972,280	\$ (190,136)	
NWP TF-1 Split to specific OR and WA points	441,477	\$13.59625	\$6,002,437		\$6,002,437	\$ (278,686)	
NWP TF-1 Weyerhaeuser	50,000	\$13.59625	\$679,813		\$679,813	\$ (32,540)	
TF-1 COMMODITY	256,349,197	\$0.00106	\$270,448	\$270,448		\$ 33,604	
PLY-1 DEMAND	534,803	\$1.14464	\$612,157		\$612,157	\$ 109,148	
PLY-1 CAPACITY	5,011,103	\$0.14637	\$733,450		\$733,450	\$ 626,186	
PLY-1 STORAGE COMMODITY	5,011,103	\$0.38794	\$1,943,984	\$1,943,984		\$ 1,651,886	5,011,103
PLY-1 INVENTORY	5,011,103	\$0.02315	\$116,633		\$116,633	\$ 99,278	
PLY-1 LIQUEFACTION	5,011,103	\$0.05865	\$293,881		\$293,881	\$ 213,216	
PLY-1 VAPORIZATION	5,011,103	\$0.00727	\$36,441		\$36,441	\$ 33,435	
TF-2 TRANSPORTATION CAPACITY	13,729	\$13.59625	\$186,664		\$186,664	\$ 152,008	
TF-2 TRANSPORTATION COMMODITY	5,011,103	\$0.00094	\$4,685	\$4,685		\$ 3,947	
PLY-2 DEMAND	161,555	\$1.14464	\$184,922		\$184,922	\$ 32,972	
PLY-2 CAPACITY	891,338	\$0.14637	\$130,461		\$130,461	\$ (472,581)	
PLY-2 STORAGE COMMODITY	891,338	\$0.37967	\$338,411	\$338,411		\$ (1,337,865)	891,338
PLY-2 INVENTORY	891,338	\$0.02218	\$20,339		\$20,339	\$ (80,406)	
PLY-2 LIQUEFACTION	891,338	\$0.05865	\$52,273		\$52,273	\$ (401,224)	
PLY-2 VAPORIZATION	891,338	\$0.00727	\$6,482		\$6,482	\$ (10,419)	
TF-2 TRANSPORTATION CAPACITY	2,442	\$13.59625	\$33,202		\$33,202	\$ (161,629)	
TF-2 TRANSPORTATION COMMODITY	891,338	\$0.00094	\$633	\$633		\$ (3,319)	
JP-1 DEMAND	149,647	\$0.81030	\$121,259		\$121,259	\$ 36,275	
JP-1 CAPACITY	5,386,811	\$0.02957	\$159,261		\$159,261	\$ 47,628	
JP-1 STORAGE COMMODITY	5,386,811	\$0.53891	\$2,903,034	\$2,903,034		\$1,521,614	5,386,811
JP-1 INVENTORY	5,386,811	\$0.03289	\$174,472		\$174,472	\$ 91,449	
TF-2 TRANSPORTATION CAPACITY	14,758	\$13.59625	\$200,659		\$200,659	\$ (8,780)	
TF-2 TRANSPORTATION COMMODITY	5,386,811	\$0.00094	\$5,037	\$5,037		\$ 572	
JP-2 DEMAND	267,401	\$1.23845	\$331,162		\$331,162	\$ (63,157)	
JP-2 CAPACITY	3,119,684	\$0.10622	\$331,357		\$331,357	\$ (63,350)	
JP-2 STORAGE COMMODITY	3,119,684	\$0.53572	\$1,671,289	\$1,671,289		\$ 798,869	3,119,684
JP-2 INVENTORY	3,119,684	\$0.032197	\$100,444		\$100,444	\$ 48,012	
TF-1 TRANSPORTATION CAPACITY	8,547	\$13.59625	\$116,208		\$116,208	\$ (5,085)	
TF-1 TRANSPORTATION COMMODITY	3,119,684	\$0.00094	\$2,917	\$2,917		\$ 332	
JP-3 DEMAND	54,167	\$0.81030	\$43,891		\$43,891	\$ 9,244	
JP-3 CAPACITY	1,590,682	\$0.02957	\$47,029		\$47,029	\$ 14,064	
JP-3 STORAGE COMMODITY	1,590,682	\$0.54989	\$874,709	\$874,709		\$ 665,964	1,590,682
JP-3 INVENTORY	1,590,682	\$0.03049	\$52,570		\$52,570	\$ 34,014	
TF-2 TRANSPORTATION CAPACITY	4,358	\$13.59625	\$59,253		\$59,253	\$ (2,593)	
TF-2 TRANSPORTATION COMMODITY	1,590,682	\$0.00094	\$1,487	\$1,487		\$ 169	
JP-4 DEMAND	31,197	\$0.81030	\$25,279		\$25,279	\$ 5,324	
JP-4 CAPACITY	916,135	\$0.02957	\$27,086		\$27,086	\$ 8,100	
JP-4 STORAGE COMMODITY	916,135	\$0.52263	\$478,980	\$478,980		\$ 155,095	916,135
JP-4 INVENTORY	916,135	\$0.031422	\$28,787		\$28,787	\$ 9,321	
TF-2 TRANSPORTATION CAPACITY	2,510	\$13.59625	\$34,126		\$34,126	\$ (1,493)	
TF-2 TRANSPORTATION COMMODITY	916,135	\$0.00094	\$857	\$857		\$ 97	
MIST DEMAND	267,401	\$5.55817	\$1,486,263		\$1,486,263	\$ 1,775	
MIST CAPACITY	5,348,029	\$0.06726	\$359,686		\$359,686	\$ 430	
MIST STORAGE COMMODITY	5,348,029	\$0.31079	\$1,662,090	\$1,662,090		\$ 102,826	5,348,029
MIST INVENTORY	5,348,029	\$0.018678	\$99,892		\$99,892	\$ 6,180	
TRANSPORTATION CAPACITY	14,652	\$13.59625	\$199,214		\$199,214	\$ (8,717)	
TRANSPORTATION COMMODITY	5,348,029	\$0.00094	\$5,000	\$5,000		\$ 568	
MIST2 DEMAND	178,268	\$4.46040	\$795,145		\$795,145	\$ 3,120	
MIST2 CAPACITY	9,269,917	\$0.06000	\$556,195		\$556,195	\$ 268,534	
MIST2 STORAGE COMMODITY	9,269,917	\$0.51038	\$4,731,158	\$4,731,158		\$ 3,316,906	9,269,917
MIST2 INVENTORY	9,269,917	\$0.030674	\$284,343		\$284,343	\$ 199,346	
TRANSPORTATION CAPACITY	25,397	\$13.59625	\$345,304		\$345,304	\$ 158,167	
TRANSPORTATION COMMODITY	9,269,917	\$0.00094	\$8,667	\$8,667		\$ 4,678	
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)			(\$3,980,227)		(\$3,980,227)	\$364,220	
DAILY BALANCING NON-CORE CREDIT	841,988,357	(\$0.00040)	(\$336,795)		(\$336,795)	(\$30,816)	
WA COMMODITY VOLUMES FOR CORE RESOURCES	259,525,113		\$179,287,275	\$ 134,424,621	\$44,862,654	\$54,356,174	259,525,113
SALES/TRANSPORT VOLUMES(Mainline Gas Costs)				259,525,113	259,525,113		
PROPOSED AVERAGE RATE(Mainline Gas Costs)				\$0.51796	\$0.17286	\$0.69082	
Forecasted PGA Volumes (City Gate Gas Costs)				256,349,197	256,349,197		
PROPOSED AVERAGE RATE(City Gate Gas Costs)				\$0.52438	\$0.17501	\$0.69939	
CURRENT AVERAGE RATE IN RATES				\$0.31554	\$0.17616	\$0.49170	
GROSS RATE CHANGE				\$0.20884	(\$0.00115)	\$0.20769	
REVENUE ADJUSTMENT FACTOR		UG-200568		1.04454	1.04454	1.04454	
REVENUE ADJUSTMENT FACTOR		UG-210755		0.04423	0.04423	0.04423	
TOTAL PROPOSED ADJUSTMENT				\$0.21905	(\$0.00090)	\$0.21815	
proposed rate w/revenue factor				\$ 0.54865			
current rate w/revenue factor				0.32959			

CASCADE NATURAL GAS CORPORATION
2022 PGA Gas Demand Cost Allocation

	Current	Proposed
Demand Costs	\$ 44,759,527	\$44,862,654
Commodity Costs	80,171,574	134,424,621
Summary-WA Gas Cost Tracking		

Rate Schedule	503	504	505/511	570	Total
Current Demand Rates	0.17861	0.17591	0.16258	0.14930	
	\$ 1.04454	\$ 1.04454	\$ 1.04454	\$ 1.04454	
% change (same for each sch)	-1.816%	-1.816%	-1.816%	-1.816%	
Proposed Demand Increment	\$ 0.17537	\$ 0.17272	\$ 0.15963	\$ 0.14659	
Proposed Demand Costs Collect	\$ 23,292,984	\$ 18,124,737	\$ 3,121,467	\$ 323,467	\$44,862,654
Proposed Change in Demand	(0.00324)	(0.00319)	(0.00295)	(0.00271)	
Revenue Adjustment Factor	0.95577	0.95577	0.95577	0.95577	
Proposed Rate Adjustment	\$ (0.00307)	\$ (0.00303)	\$ (0.00280)	\$ (0.00257)	
Proposed Volumes	132,824,281	104,939,573	19,554,635	2,206,624	259,525,113

Cascade Natural Gas Corporation
PGA AMOUNT OF CHANGE BY RATE SCHEDULE
Bills and Revenues Based Upon the Twelve Months Ended 7/31/22
State of Washington

Line No.	Description	Rate Schedule	Average # of Bills	Forecasted Therms Sold	Actual Revenue	Per Therm Gas Cost Change	Amount of Change
	Summary-WA Gas Cost Tracki	(b)	(c)	(d)	(e)	(f)	(g)
CORE MARKET RATE SCHEDULES							
1	Residential	503	200,356	131,993,811	160,697,460	0.21598	28,508,023
2	Commercial	504	27,210	93,567,597	103,915,277	0.21602	20,212,472
3	Industrial Firm	505	487	12,906,568	11,638,460	0.21625	2,791,045
4	Large Volume	511	99	15,549,500	12,937,587	0.21625	3,362,579
5	Industrial Interruptible	570	7	2,331,721	1,682,022	0.21648	504,771
6	Total Core		228,159	256,349,197	290,870,806		55,378,891

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

Line No.	S	Type of Service	UG-210755		Current	Current	Proposed	Proposed	Bill Difference	Proposed
			Typical Monthly Therm Used	Basic Service Charge	10/1/2022* Billing Rates	10/1/2022* Average Bill	11/1/2022 PGA Effects	11/1/2022 PGA Effect Average Bill		11/1/2022 PGA Effects % Bill Change
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1		Residential, Schedule 503	54	\$5	\$1.03712	\$61.00	\$1.25310	\$72.67	\$11.66	19.12%
2		Commercial, Schedule 504	271	\$13	\$0.97066	\$276.05	\$1.18668	\$334.59	\$58.54	21.21%
3		Industrial Firm, Schedule 505		\$60						
4		First 500 therms			\$0.89552	\$507.76	\$1.11177	\$615.89		
5		Next 3,500 therms			\$0.85544	\$1,276.32	\$1.07169	\$1,598.96		
6		Over 4,000 therms			\$0.84938		\$1.06563			
7		Total 505	1,992			\$1,784.08		\$2,214.85	\$430.77	24.15%
8		Com-Ind Dual Service, Schedule 511		\$125						
9		First 500 therms			\$0.78754	\$518.77	\$1.00379	\$626.90		
10		Next 3,500 therms			\$0.74804	\$2,618.14	\$0.96429	\$3,375.02		
11		Over 4,000 therms			\$0.65034	\$8,219.65	\$0.86659	\$10,952.83		
12		Total 511	16,639			\$11,356.56		\$14,954.74	\$3,598.18	31.68%
13		Industrial Interruptible, Schedule 570		\$163						
14		First 30,000 therms			\$0.75482	\$17,699.73	\$0.97130	\$22,729.21		
15		Over 30,000 therms			\$0.68815		\$0.90463			
16		Total 570	23,233			\$17,699.73		\$22,729.21	\$5,029.48	28.42%

17 *Includes rates from CRM filing made on September 1, 2022, UG-220664

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, 2020	\$0.43833	\$0.43558	\$0.42197	\$0.40840
	Sur Schedule 595 - WACOG Adj. Nov. 1, 2021	\$0.07783	\$0.07776	\$0.07745	\$0.07714
	<u>Proposed Incremental Change</u>				
2	Residential	\$0.21598			
3	Commercial		\$0.21602		
4	Industrial Firm			\$0.21625	
5	Interruptible - CORE				\$0.21648
6	NON-CORE Customers				
7	Total Proposed Rate	\$0.73214	\$0.72936	\$0.71567	\$0.70202
	Schedule 595 - WACOG Adj. Nov. 1, 2022	0.29381	0.29378	0.29370	0.29362

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

Line No.	Consolidated Account (a)	Account Balance 7/31/2022 (b)	Interest Assignments & Amortization through 10/31/2022 (c)	Revenue Sensitive costs (d)	Interest Accruals Through Am. (e)	Amount (f)	PROPOSED TECH. ADJUSTMENTS		Proposed Period of Am. (j)	Item (k)
							503/504 (g)	All Other Core (h)		
Summary-WA Gas Cost Tracking										
1	Core Gas Cost	\$ 45,190,006	\$ (4,052,568)	\$ 1,903,710	\$ 592,365	\$ 43,633,513				
2					Divide by	256,349,197	\$ 0.17021	\$ 0.17021	1 Year	Core Gas Deferrals Core
3										
4										
5										
6										
7	TOTAL	\$ 45,190,006	\$ (4,052,568)	\$ 1,903,710	\$ 592,365	\$ 43,633,513	\$ 0.17021	\$ 0.17021		

Cascade Natural Gas Corporation
TTA DERIVATION OF PROPOSED RATE LEVEL WITHIN
RATE ADDITION SCHEDULE NO. 595
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 595 Rate Change (e)	Posted R/S 595 Tariff Rate (f)
CORE MARKET RATE SCHEDULES						
	Summary-WA Gas Cost Tracking					
1	Residential	503	\$ (0.13550)	\$ 0.17021	\$ 0.03471	\$ 0.17021
2	Commercial	504	\$ (0.13550)	\$ 0.17021	\$ 0.03471	\$ 0.17021
3	Com-Ind Dual Service	511	\$ (0.13550)	\$ 0.17021	\$ 0.03471	\$ 0.17021
4	Industrial Firm	505	\$ (0.13550)	\$ 0.17021	\$ 0.03471	\$ 0.17021
5	Industrial Interr.	570	\$ (0.13550)	\$ 0.17021	\$ 0.03471	\$ 0.17021

6 (c) from 2021 TTA Exhibit A , Page 7 of 11

7 (d) from TTA Exhibit A, Page 7 of 11

Cascade Natural Gas Corporation
TTA AMOUNT OF CHANGE BY RATE SCHEDULE
Bills and Revenues Based Upon the Twelve Months Ended 7/31/22
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	Summary-WA Gas Cos	503	200,356	131,993,811	160,697,460	\$ 0.03471	\$ 4,581,505	2.85%
2	Commercial	504	27,210	93,567,597	103,915,277	\$ 0.03471	\$ 3,247,731	3.13%
3	Industrial Firm	505	487	12,906,568	11,638,460	\$ 0.03471	\$ 447,987	3.85%
4	Large Volume	511	99	15,549,500	12,937,587	\$ 0.03471	\$ 539,723	4.17%
5	Industrial Interruptib	570	7	2,331,721	1,682,022	\$ 0.03471	\$ 80,934	4.81%
6	Total Core		228,159	256,349,197	290,870,806		\$ 8,897,880	3.06%

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

Line No.	S	Type of Service	UG-210755		Current	Current	Proposed	Proposed	Bill Difference	Proposed
			Typical Monthly Therm Used	Basic Service Charge	10/1/2022* Billing Rates	10/1/2022* Average Bill	11/1/2022 TTA Effects	11/1/2022 TTA Effect Average Bill		11/1/2022 TTA Effects
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1		Residential, Schedule 503	54	\$5	\$1.03712	\$61.00	\$1.07183	\$62.88	\$1.87	3.07%
2		Commercial, Schedule 504	271	\$13	\$0.97066	\$276.05	\$1.00537	\$285.46	\$9.41	3.41%
3		Industrial Firm, Schedule 505		\$60						
4		First 500 therms			\$0.89552	\$507.76	\$0.93023	\$525.12		
5		Next 3,500 therms			\$0.85544	\$1,276.32	\$0.89015	\$1,328.10		
6		Over 4,000 therms			\$0.84938		\$0.88409			
7		Total 505	1,992			\$1,784.08		\$1,853.22	\$69.14	3.88%
8		Com-Ind Dual Service, Schedule 511		\$125						
9		First 500 therms			\$0.78754	\$518.77	\$0.82225	\$536.13		
10		Next 3,500 therms			\$0.74804	\$2,618.14	\$0.78275	\$2,739.63		
11		Over 4,000 therms			\$0.65034	\$8,219.65	\$0.68505	\$8,658.35		
12		Total 511	16,639			\$11,356.56		\$11,934.10	\$577.54	5.09%
13		Industrial Interruptible, Schedule 570		\$163						
14		First 30,000 therms			\$0.75482	\$17,699.73	\$0.78953	\$18,506.15		
15		Over 30,000 therms			\$0.68815		\$0.72286			
16		Total 570	23,233			\$17,699.73		\$18,506.15	\$806.42	4.56%

17 *Includes rates from CRM filing made on September 1, 2022, UG-220664