

EXHIBIT A

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

CASCADE NATURAL GAS CORPORATION

Decoupling Mechanism Adjustments

CNGC WUTC Advice No. W22-09-03

September 15, 2022

CASCADE NATURAL GAS CORPORATION

EXHIBIT A

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

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Line No.	Consolidated Account	Account Balance 12/31/2021	Interest Assignments & Amortization through 10/31/2022	Interest Accruals Through Am.	Amount						Proposed Period of Am.
						503	504	505	511	570	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
						131,993,811	93,567,597	12,906,568	15,549,500	2,331,721	
1	503	\$ 3,602,555	\$ (1,123,880)	\$ 35,081.90	\$ 2,513,757	0.01905					1 Year Decoupling Mechanism
2	504	\$ 3,956,096	\$ (151,848)	\$ 56,670.16	\$ 3,860,918		\$ 0.04126				1 Year Decoupling Mechanism
3	505	\$ 277,160	\$ (79,824)	\$ 3,499.14	\$ 200,835			\$ 0.01556			1 Year Decoupling Mechanism
4	511	\$ (716,794)	\$ 703,780	\$ (209.24)	\$ (13,223)				\$ (0.00085)		1 Year Decoupling Mechanism
5	570	\$ (8,172)	\$ (5,591)	\$ (236.30)	\$ (14,000)					\$ (0.006004)	1 Year Decoupling Mechanism
6	TOTAL	\$ 7,110,844	\$ (657,363)	\$ 94,806	\$ 6,548,287	\$ 0.01905	\$ 0.04126	\$ 0.01556	\$ (0.00085)	\$ (0.00600)	
7				3% Test Rate Adjustment (1)		\$0.00000	(\$0.00476)	\$0.00000	(\$0.02802)	\$0.00000	
8				Final Proposed Decoupling Rate		\$0.01905	\$0.03650	\$0.01556	(\$0.02887)	(\$0.00600)	
9	Notes										
	(1)	See page 6 Exhibit A for earnings test and 3% test adjustment calculations.									

Cascade Natural Gas Corporation
DERIVATION OF PROPOSED RATE LEVEL WITHIN
RATE ADDITION SCHEDULE NO. 594
State of Washington

Description (a)	Rate Schedule (b)	Reverse Prior Decoupling Rate Adj. (c)	Decoupling Related Temporary Rate Adj. (d)	Incremental R/S 594 Rate Change (e)	Posted R/S 594 Tariff Rate (f)
CORE MARKET RATE SCHEDULES					
Residential	503	\$ (0.01075)	\$ 0.01905	\$ 0.00830	\$ 0.01905
Commercial	504	\$ (0.00319)	\$ 0.03650	\$ 0.03331	\$ 0.03650
Industrial Firm	505	\$ (0.00727)	\$ 0.01556	\$ 0.00829	\$ 0.01556
Com-Ind Dual Service	511	\$ 0.05383	\$ (0.02887)	\$ 0.02496	\$ (0.02887)
Industrial Interr.	570	\$ (0.00282)	\$ (0.00600)	\$ (0.00882)	\$ (0.00600)

Cascade Natural Gas Corporation
Decoupling AMOUNT OF CHANGE BY RATE SCHEDULE
Bills and Revenues Based Upon the Twelve Months Ended 7/31/22
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 Decoupling Change (f)	Amount of Change (g)	Percentage Change (h)
CORE MARKET RATE SCHEDULES								
1	Residential	503	200,356	131,993,811	160,697,460	\$ 0.00830	\$ 1,094,889	0.68%
2	Commercial	504	27,210	93,567,597	103,915,277	\$ 0.03331	\$ 3,117,017	3.00%
3	Industrial Firm	505	487	12,906,568	11,638,460	\$ 0.00829	\$ 107,008	0.92%
4	Large Volume	511	99	15,549,500	12,937,587	\$ 0.02496	\$ 388,116	3.00%
5	Industrial Interruptible	570	7	2,331,721	1,682,022	\$ (0.00882)	\$ (20,575)	-1.22%
6			228,159	256,349,197	290,870,806		\$ 4,686,454	1.61%

Cascade Natural Gas Corporation
DMA 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	10/1/2022 Billing Rate	10/1/2022 Average Bill	11/1/2022 DMA Effects	11/1/2022 DMA Effect Average Bill		11/1/2022 DMA Effects % Bill Change
	(a)	(b)	(c)	(d)	e=c+(b*d)	(f)	g=c+(b*f)		
1	Residential, Schedule 503	54	\$5	\$1.03712	\$61.00	\$1.04542	\$61.45	\$0.45	0.73%
2	Commercial, Schedule 504	271	\$13	\$0.97066	\$276.05	\$1.00397	\$285.08	\$9.03	3.27%
3	Industrial Firm, Schedule 505		\$60						
4	First 500 therms			\$0.89552	\$507.76	\$0.90381	\$511.91		
5	Next 3,500 therms			\$0.85544	\$1,276.32	\$0.86373	\$1,288.69		
6	Over 4,000 therms			\$0.84938		\$0.85767			
7	Total 505	1,992			\$1,784.08		\$1,800.59	\$16.52	0.93%
8	Com-Ind Dual Service, Schedule 511		\$125						
9	First 500 therms			\$0.78754	\$518.77	\$0.81250	\$531.25		
11	Next 3,500 therms			\$0.74804	\$2,618.14	\$0.77300	\$2,705.50		
12	Over 4,000 therms			\$0.65034	\$8,219.65	\$0.67530	\$8,535.12		
13	Total 511	16,639			\$11,356.56		\$11,771.87	\$415.31	3.66%
14	Industrial Interruptible, Schedule 570		\$163						
15	First 30,000 therms			\$0.75482	\$17,699.73	\$0.74600	\$17,494.73		
16	Over 30,000 therms			\$0.68815		\$0.67933			
17	Total 570	23,233			\$17,699.73		\$17,494.73	-\$205.01	-1.16%

2021 Commission Basis Earnings Test for Decoupling

Line No.		Natural Gas
1	Rate Base	\$ 488,393,608
2	Net Income	\$ 24,683,914
3	Calculated ROR	5.05%
4	Base ROR	6.95%
5	Excess ROR	-1.90%
6	Excess Earnings	\$ -
7	Conversion Factor	0.75506
8	Excess Revenue (Excess Earnings/CF)	\$ -
9	Sharing %	50%
10	2021 Total Earnings Test Sharing	\$ -
11	Adjusted Revenues from CBR	\$ 286,905,704
12	2022 Decoupling Deferral Balance	\$ 6,548,287
13	Earnings Test	2.28%

3% Incremental Surcharge Test

Line No.		Residential 503	Commerical 504	Industrial 505	Com-Ind 511	Indust. Interr. 570	Total WA
1	Revenue From 2021 Normalized Loads and Customers at Present Billing Rates (1)	\$ 160,697,460	\$ 103,915,277	\$ 11,638,460	\$ 12,937,587	\$ 1,682,022	\$ 290,870,806
2	August 2022 - July 2023 Usage	131,993,811	93,567,597	12,906,568	15,549,500	2,331,721	256,349,197
3	Proposed Decoupling Recovery Rates	\$0.01905	\$0.04126	\$0.01556	(\$0.00085)	(\$0.00600)	
4	Present Decoupling Surcharge Recovery Rates	0.01075	0.00319	0.00727	(0.05383)	0.00282	
5	Incremental Decoupling Recovery Rates	\$0.00830	\$0.03807	\$0.00829	\$0.05298	(\$0.00882)	
6	Incremental Decoupling Recovery	\$ 1,094,889	\$ 3,562,399	\$ 107,008	\$ 823,813	\$ (20,575)	\$ 5,567,534
7	Incremental Surcharge %	0.68%	3.43%	0.92%	6.37%	-1.22%	
8	3% Test Adjustment (2)	\$0	(\$444,941)	\$0	(\$435,685)	\$0	
9	3% Test Rate Adjustment	\$0.00000	(\$0.00476)	\$0.00000	(\$0.02802)	\$0.00000	
10	Adjusted Proposed Decoupling Recovery Rates	\$0.01905	\$0.03650	\$0.01556	(\$0.02887)	(\$0.00600)	
11	Adjusted Incremental Decoupling Recovery	\$ 1,094,889	\$ 3,117,017	\$ 107,008	\$ 388,116	\$ (20,575)	\$ 4,686,455
12	Adjusted Incremental Surcharge %	0.68%	3.00%	0.92%	3.00%	-1.22%	

Notes:

- (1) Revenue from 2021 normalized loads and customers at present billing rates effective since November 1, 2021.
(2) The carryover balances will differ from the 3% adjustment amounts due to the revenue related expense gross up partially offset by additional interest on the outstanding balance during the amortization period.