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July 28, 2023

Oregon Public Utility Commission
 Attn: Filing Center
 201 High Street S.E., Suite 100
 Salem, OR 97301-3398

**Re: Advice No. CNG/O23-07-01, UG 463
 UM 1558, Deferred Accounting for Purchased Gas Adjustment Schedule
 177, Purchased Gas Cost Adjustment and Schedule No. 191 Temporary
 Gas Cost Rate Adjustment**

Pursuant to OAR 860-022-0070, Docket UM 1286 Order Nos. 11-196, 14-238, and 18-144, and ORS 757.210 and ORS 757.259(5), Cascade Natural Gas Corporation (“Cascade”) hereby submits the following revisions to its Tariff P.U.C. OR No. 10, stated to become effective with service on and after November 1, 2023:

**Seventh Revision of Sheet No. 177.2
 Seventh Revision of Sheet No. 191.1**

The purpose of this filing is to make the annual true-up to Cascade’s gas cost in accordance with the provisions established in Schedule No. 177, Purchase Gas Adjustment (“PGA”) Provision. The purchased gas cost changes proposed in this filing are due to changes in the cost of commodity gas supply, transportation capacity, and realignment of existing firm transportation capacity. In accordance with the PGA methodology, amortization of outstanding deferred gas cost balances is also included in this filing.

Tables 1 through 3 below summarize the changes in the following: 1) Forward looking commodity costs included in Schedule 177.2; 2) Demand costs included in Schedule 177.2; and 3) The combined changes to Schedule 177.2 (both commodity and demand).

Table 1 - Schedule 177.2 Commodity

<u>Rate Schedule</u>	<u>Present</u>	<u>Proposed</u>	<u>Change</u>
101, 104, 105, 111, 170	\$0.44324	\$0.28392	(\$0.15932)

Table 2 - Schedule 177.2 Demand

<u>Rate Schedule</u>	<u>Present</u>	<u>Proposed</u>	<u>Change</u>
101, 104, 105, 111, 170	\$0.13671	\$0.17453	\$0.03782

Table 3 - Schedule 177.2 Commodity + Demand

<u>Rate Schedule</u>	<u>Present</u>	<u>Proposed</u>	<u>Change</u>
101, 104, 105, 111, 170	\$0.57995	\$0.45845	(\$0.12150)

Commodity Costs (Schedule 177.2)

As shown in Table 1, the estimated weighted average cost of gas (“WACOG”) decreased \$0.15932 per therm. The proposed WACOG is \$0.28392 per therm compared to the present WACOG of \$0.44324 per therm included in rates.

Natural gas futures have recently experienced heightened volatility, currently hovering in the vicinity of the \$2.75/MMBtu mark. Recent rallies have pushed price up to these levels on the backs of smaller-than-expected storage injections, international sentiment, and gradually ramping power demand. Supply and demand fundamentals remain healthy as the Company progresses into the peak summer demand period, with strong production rates maintaining over 101 Bcf/d, and projections indicating an upward trend, looking to reach around 103 Bcf/d by the end of the year. Storage continues to be robust; however, Cascade is experiencing seasonal slowdowns in injection rates due to higher electricity generation in the face of heat waves. Nonetheless, the storage status remains a stabilizing factor for NYMEX prices as liquefied natural gas (“LNG”) gas demand ramps up with the conclusion of maintenance, and powerburn demand ramps up to meet the air conditioning needs of summer.

Cascade’s Gas Supply Oversight Committee (“GSOC”) oversees the Company’s gas supply physical portfolio and overall hedging strategy. Approximately 60% to 70% of estimated annual load requirements for the PGA year will be hedged through fixed price physicals and financial derivatives. Cascade’s relationship with Gelber & Associates (“G&A”) remains active as the Company’s hedging consultant. Recent price indications suggest fixed price physicals are less expensive than their financial counterpart. G&A recommended continuing hedging with fixed-price physicals due to current flexibility and cost advantages over financial transactions at Northwest Basin combined with financial instruments when economically appropriate. Cascade has been hedging natural gas both on a periodic and discretionary basis throughout 2023 for the forthcoming PGA year (November 2023 through October 2024). In accordance with GSOC guidance, transactions cannot exceed 42 months, except in the case of renewable natural gas supplies. Cascade will continue to execute transactions for hedging purposes throughout the remainder of calendar year 2023, consistent with the current hedge execution plan authorized by GSOC.

The information contained in the Company’s responses to “Natural Gas Portfolio Development Guidelines” describes the Company’s Natural Gas Procurement Plan (“Procurement Plan” or “Plan”). The Company’s Procurement Plan uses a diversified approach to procure natural gas for the upcoming year. While the Procurement Plan incorporates a risk

responsive approach for the hedging portion of the portfolio, the Company exercises flexibility and discretion in all areas of the Plan based on changes in the wholesale market. As outlined in the OPUC’s portfolio planning guidelines, the Company meets with the Commission Staff quarterly to discuss the state of the wholesale market and the status of the Company’s Procurement Plan, among other related activities. Should the Company deviate from the Procurement Plan due to a change in market dynamics, etc., the Company documents and communicates any such changes with GSOC and provides updates to Commission Staff.

Demand Costs (Schedule 177.2)

Demand costs reflect the cost of pipeline transportation to the Company’s system, as well as fixed costs associated with natural gas storage. As shown in Table 2, demand costs are expected to increase by of \$0.03782 cents per therm. This is primarily due to the anticipated November 2023 in-service of the TC West Path expansion project on NGTL, Foothills, and GTN that Cascade secured in 2019 to address shortfalls identified in the 2018 IRP.

Amortization of Deferral Accounts (Schedule 191.1)

Table 4 below summarizes the changes in both the commodity and demand amortization rates included in Schedule 191:

Table 4 - Schedule 191 PGA Temporary Gas Cost Rate Adjustment Amortization

<u>Rate Schedule</u>	<u>Present</u>	<u>Proposed</u>	<u>Change</u>
101, 104, 105, 111, 170	\$0.13789	\$0.30267	\$0.16478

As shown in Table 4, the current overall amortization amount approved in the Company’s 2022 PGA is a collected rate of approximately \$0.14 per therm. Actual wholesale natural gas prices were higher than the level identified in the Company’s 2022 PGA. As a result, commodity and demand costs were under collected from customers and resulted in the deferral balance growing by approximately \$15,359,240 over last year. The proposed amortization results in a rate of approximately \$0.30 per therm.

It is important to note the Company’s hedging strategy was successful in mitigating a notable amount of the impacts of winter price runups to customers. Over the period since the approval of the 2022 Hedge Execution Plan (April 2022-March 2023), the Cascade hedging plan saved Washington and Oregon customers about \$107.0 million of system-wide gas costs compared to the market. Backing out the fees paid to G&A, the program realized a net gain of about \$106.9 million. Most of the hedging gains occurred during the 2022-2023 heating season extreme pricing event, where the program saved almost \$71.5 million in January 2023 alone. Of the total savings of approximately \$106.9 million, Cascade estimates that about \$26.8 million was related to Oregon.

Three Percent Test

Pursuant to ORS 757.259 and OAR 860-027-0300, the overall annual average rate impact of the amortizations authorized under the statutes may not exceed three percent of the natural gas utility’s gross revenues for the preceding calendar year, unless the Commission finds that allowing a higher amortization rate is reasonable under the circumstances in ORS 757.259(7). As shown on Attachment C of the Company’s PGA workpapers, total gross revenue for calendar year 2022 was \$96,467,596. The total amortization revenue requested for the “Prior Period Gas Cost Deferral” as shown in Attachment C is \$28,212,131. The resulting annual average rate impact from PGA amortization is 29.25% and does not fall within the requirements of the statute. However, the overall average impact is greater than the 3% due to natural gas commodity costs incurred during 2022-2023 which are outside the Company’s control.

When the “Prior Period Gas Cost Deferral” is combined with the “Non-Gas Cost Amortization” related to the Company’s Conservation Alliance Plan and Intervenor Funding filing made on July 28, 2023, the result is a total amortization revenue request of \$25,640,684. After removing the Intervenor Funding deferral per ORS 757.259(4), the net effect is an overall revenue change of \$25,590,412, an average rate impact of 26.53%, which does not fall within the requirements of the statute. As mentioned earlier, Cascade incurred higher commodity costs during 2022-2023.

In accordance with ORS 757.259(7), Cascade believes that it is appropriate and reasonable to amortize the full balance at this time.

Other Information

Pursuant to OAR 860-022-0025 and OAR 860-022-0030, Table 5 shows the annual revenue before and after the impact of the rate change; Table 6 below provides the average monthly use and resulting bills under existing and proposed rates; and Table 7 shows the total number of customers affected by this filing.

In this filing, the Company is requesting an increase in the Company’s annual operating revenues of \$4,034,123 or 4.18%. Table 5 below shows current and proposed gross annual revenues per customer class.

Table 5

Rate Schedule	Description	Total Current Revenues	Total Proposed Revenues	Revenue Incr (Decr)	Percent Incr (Decr)
101	Residential	\$56,057,159	58,252,453	2,195,294	3.92%
104	Commercial	\$32,621,934	34,071,976	1,450,042	4.44%
105	Industrial Firm	\$3,088,567	3,227,762	139,195	4.51%
111	Com-Ind Dual	\$2,809,412	2,947,710	138,298	4.92%
170	Industrial Interr	\$2,164,762	2,276,056	111,294	5.14%

Table 6

Rate Schedule	Avg Therms per Month	Current Avg Bill	Proposed Avg Bill	Monthly Change	Proposed Rates % Change
101	65	\$79.45	\$82.56	\$3.11	3.92%
104	289	\$296.57	\$309.75	\$13.18	4.44%
105	1,779	\$1,761.79	\$1,841.19	\$79.40	4.51%
111	15,038	\$13,487.52	\$14,151.46	\$663.95	4.92%
170	57,038	\$48,740.09	\$51,245.90	\$2,505.81	5.14%

Table 7

Rate Schedule	Number of Customers
101	71,755
104	10,466
105	160
111	18
170	4

In Advice Nos. O23-07-02 and O23-07-03, Cascade has also filed its Non-Gas Cost Tracking Filings. The net overall change in revenue is an increase. Table 8 below shows the net impact to the Company’s customers, by rate schedule, inclusive of all the Company’s filings made on July 28, 2023:

Table 8

<u>Rate Schedule</u>	<u>Proposed Rate Change</u>
Schedule 101	1.81%
Schedule 104	2.61%
Schedule 105	4.35%
Schedule 111	4.80%
Schedule 170	5.04%
Schedule 163	(0.22%)

After combining the impact of this filing along with the two other regulatory filings made today, the overall effect of the proposed rate adjustments on the monthly bill of a residential customer with consumption of 65 therms will be an increase of \$1.44 or 1.81%, for a revised monthly bill of \$80.89 effective November 1, 2023.

The Company will notify customers with a bill insert in August of a projected increase in rates due to the PGA. The Company will issue a more detailed bill insert to customers in the middle of September, coincident with the updated annual Purchased Gas Cost Adjustment filing in mid-September.

The rate adjustments proposed in this filing are consistent with the Public Utility Commission of Oregon Staff's recommendations with regard to rate spread requirements and amortization procedures.

Attached in support of this filing are Exhibits 1, 2, and 3. Exhibit 1 contains schedules supporting the per therm gas cost change consistent with the procedure described in PGA Rate Schedule No. 177. Exhibit 2 contains summary information on the proposed impacts the filings will have on the Company's rates and revenues, and the various rate schedules. A proposed notice to the public is also included. Exhibit 3 contains a summary of the proposed changes to the Company's revenues.

The Company agrees to rate adjustments and refunds should the Commission determine that these rates have been inappropriately calculated. Any rate adjustments and refunds will be retroactive to November 1, 2023, provided that the Commission advises the Company of the necessity for such rate adjustments or refunds within 30 days after the effective date of these rates.

If there are any questions regarding this filing, please contact me at (208) 377-6015.

Sincerely,

/s/ Lori A. Blattner

Lori A. Blattner
Director, Regulatory Affairs
Cascade Natural Gas Corporation
8113 W. Grandridge Blvd.
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Enclosures

**SCHEDULE 177
PURCHASED GAS COST ADJUSTMENT PROVISION**

DEFINITIONS (continued)

1. Capacity Release Benefits: This component includes revenues associated with pipeline capacity releases. The benefits to customers, through the monthly PGA deferrals, shall be 100% of the capacity release revenues up to the full pipeline rate, and 80% of the capacity release revenues in excess of full pipeline rates. Capacity release revenues shall be quantified on a transaction-by-transaction basis.

2. Estimated Weighted Average Cost of Gas (WACOG): The estimated WACOG for the period November 1st through October 31st is calculated by the following formula: (Forecasted Purchases at Adjusted Contract Prices) divided by (forecasted sales volumes). This WACOG does not include any revenue sensitive factors.
 - a. Forecasted Purchases means this year’s forecasted sales volumes plus a percentage for distribution system LUGF and pipeline fuel in kind.
 - b. Distribution system embedded LUGF means the 5-year average of actual distribution system LUGF, not to exceed 2%.
 - c. Adjusted contract prices means actual and projected contract prices that are adjusted by each associated Canadian pipeline’s published (closest to August 1) fuel use and line loss amount provided for by tariff, and by each associated U.S. pipeline’s tariffed rate.

3. Estimated Non-Commodity Cost: Estimated annual Non-Commodity gas costs shall be equal to estimated annual Demand Costs, less estimated annual Capacity Release Benefits, plus or minus estimated annual pipeline refunds or surcharges.

4. Estimated Non-Commodity Cost per Therm: The Estimated Non-Commodity cost per therm is calculated by the following formula: (Estimated annual Non-Commodity Cost divided by forecasted sales volumes). This estimate does not include any revenue-sensitive factors.

The Estimated Cost of Gas per therm is as follows:

	Cost of Gas Per Therm	Revenue Sensitive Costs	Cost of Gas Per Therm Rate	
WACOG	\$0.27546	2.98%	\$0.28392	(R)
Non-Commodity Cost	\$0.16933	2.98%	\$0.17453	(I)
TOTAL	\$0.44479	2.98%	\$0.45845	(R)

10. Actual Monthly Calendar Sales Volumes: Actual billed sales therms, adjusted for estimated unbilled therms, for firm and interruptible sales schedules.

(continued)

**SCHEDULE NO. 191
TEMPORARY GAS COST RATE ADJUSTMENT**

APPLICABLE

The temporary rate applies to Schedules 101, 104, 105, 111, and 170.

RATES

Each of the charges specified in the schedules for gas service hereinafter listed shall be adjusted by the following per therm increase or (decrease) or appropriate multiple thereof in determining annual minimum bill, if any:

Rate Schedule	Amount
101	\$0.30267
104	\$0.30267
105	\$0.30267
111	\$0.30267
170	\$0.30267

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LIMITATION

This temporary rate adjustment shall remain in effect until cancelled pursuant to a Commission order.

TAX ADDITIONS

The rates named herein are subject to increases as set forth in Schedule 100 for Municipal Exactions.

GENERAL TERMS

Service under this schedule is governed by the terms of this schedule, the Rules contained in this Tariff, any other schedules that by their terms or by the terms of this schedule apply to service under this schedule, and by all rules and regulations prescribed by regulatory authorities, as amended from time to time.

Cascade Natural Gas Corporation

CERTIFICATE OF SERVICE

I hereby certify that I have this day served by electronic mail the foregoing notice of Cascade's Purchase Gas Adjustment Filing upon all parties of record in UG-390, which is the Company's last general rate case.

Oregon Citizens' Utility Board dockets@oregoncub.org	Michael Goetz Oregon Citizens' Utility Board mike@oregoncub.org
Tommy A Brooks Cable Huston LLP tbrooks@cablehuston.com	Chad M Stokes Cable Huston LLP cstokes@cablehuston.com
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Stephanie S Andrus PUC Staff- Department of Justice Stephanie.andrus@state.or.us	

Dated this 28th day of July 2023.

/s/ Jacob Betterbed
Jacob Betterbed
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Before the
PUBLIC UTILITY COMMISSION OF OREGON

EXHIBIT 1

Gas Supply Portfolio and Related Transportation

Oregon Summary of Gas Cost Deferrals (Schedule 1 of 9)
Prior Commodity & Demand Amortization (Schedule 2 of 9)
Development of Gas Cost Related PGA Temporary Rate Increments (Schedule 3 of 9)
Core Market Commodity Cost Amortization Supporting 47OR.1910.01272 (Schedule 4 of 9)
Gas Cost Consolidated Accounts Amortization Supporting 47OR.1910.01287 (Schedule 5 of 9)
Core Market Demand Amortization Supporting 47OR.1910.01273 (Schedule 6 of 9)
New WACOG Commodity (Schedule 7 of 9)
Derivation of Oregon per Therm Non-Commodity Charges (Schedule 8 of 9)
Summary of Rate and Revenue Impact (Schedule 9 of 9)

Cascade Natural Gas Corporation

July 28, 2023

**Cascade Natural Gas
Oregon Summary of Gas Cost Deferrals**

Line No.		Jul. 2022 (a)	Aug. 2022 (b)	Sep. 2022 (c)	Oct. 2022 (d)	Nov. 2022 (e)	Dec. 2022 (f)	Jan. 2023 (g)	Feb. 2023 (h)	Mar. 2023 (i)	Apr. 2023 (j)	May. 2023 (k)	Jun. 2023 (l)	SUM (A-l) (m)	
1	Current commodity (WACOG) without revenue sensitive, Order No.22-419	\$0.27260	\$0.27260	\$0.27260	\$0.27260	\$0.27260	\$0.42985	\$0.42985	\$0.42985	\$0.42985	\$0.42985	\$0.42985	\$0.42985	\$0.42985	
2	Current demand billing rate without revenue sensitive, Order No. 22-419	\$0.14550	\$0.14550	\$0.14550	\$0.14550	\$0.14550	\$0.13258	\$0.13258	\$0.13258	\$0.13258	\$0.13258	\$0.13258	\$0.13258	\$0.13258	
5	Annual ROR (Interest rate), per Order No. 21-001			7.0710%					7.0710%						
6	Deferral percentage			90%											
12	Oregon Calendar Month Sales	1,845,297	2,408,421	2,656,853	5,317,590	14,868,874	16,890,960	13,672,028	14,404,394	11,902,476	9,492,599	3,031,326	3,301,919	99,792,737	
14	Sales volumes subject to WACOG	1,845,297	2,408,421	2,656,853	5,317,590	14,868,874	16,890,960	13,672,028	14,404,394	11,902,476	9,492,599	3,031,326	3,301,919	99,792,737	
15	Sales volumes subject to Winter/Seasonal WACOG													0	
16	Sales volumes subject to Monthly Incremental Costs													0	
17	Total Sales	1,845,297	2,408,421	2,656,853	5,317,590	14,868,874	16,890,960	13,672,028	14,404,394	11,902,476	9,492,599	3,031,326	3,301,919	99,792,737	
19	Commodity collections at WACOG	\$503,028	\$656,536	\$724,258	\$1,449,575	\$6,242,494	\$7,260,579	\$5,876,921	\$6,191,729	\$5,116,279	\$4,080,394	\$1,303,015	\$1,419,330	40,824,138	
20	Commodity collections at Winter/Seasonal WACOG													0	
21	Commodity collections at Monthly Incremental Costs													0	
22	Total Commodity collections	\$503,028	\$656,536	\$724,258	\$1,449,575	\$6,242,494	\$7,260,579	\$5,876,921	\$6,191,729	\$5,116,279	\$4,080,394	\$1,303,015	\$1,419,330	40,824,138	
24	Demand collections	\$268,491	\$350,425	\$386,572	\$773,709	\$1,983,549	\$2,239,403	\$1,812,637	\$1,909,735	\$1,578,030	\$1,258,529	\$401,893	\$437,768	13,400,742	
25	Demand collections at other rates (interruptible rates & MDDV based)													0	
26	Total Demand collections	\$268,491	\$350,425	\$386,572	\$773,709	\$1,983,549	\$2,239,403	\$1,812,637	\$1,909,735	\$1,578,030	\$1,258,529	\$401,893	\$437,768	13,400,742	
28	COMMODITY DEFERRAL CALCULATIONS														
29	Actual Commodity Cost (w/true ups, net of storage injections, bookouts, etc.)	\$792,466	\$932,665	\$1,295,630	\$2,158,896	\$8,196,912	\$13,545,709	\$27,058,715	\$9,182,955	\$5,149,324	\$2,874,425	\$509,656	\$809,856	\$72,507,209	
30	Total Commodity billed (line 22)	\$503,028	\$656,536	\$724,258	\$1,449,575	\$6,242,494	\$7,260,579	\$5,876,921	\$6,191,729	\$5,116,279	\$4,080,394	\$1,303,015	\$1,419,330	\$40,824,138	
31	Cost versus collection	\$289,438	\$276,130	\$571,372	\$709,321	\$1,954,418	\$6,285,130	\$21,181,793	\$2,991,226	\$33,045	(\$1,205,969)	(\$793,360)	(\$609,474)	\$31,683,070	
32	Customer share (line 31 * applicable deferral percentage)	\$260,494	\$248,517	\$505,994	\$638,389	\$1,758,976	\$5,656,617	\$19,063,614	\$2,692,103	\$29,740	(\$1,085,372)	(\$714,024)	(\$548,527)	\$28,506,522	
33	Storage Adjustment													\$0	
34	Other Adjustment													\$0	
35	Total Commodity deferral	\$260,494	\$248,517	\$505,994	\$638,389	\$1,758,976	\$5,656,617	\$19,063,614	\$2,692,103	\$29,740	(\$1,085,372)	(\$714,024)	(\$548,527)	\$28,506,522	
37	Commodity deferral Beginning Balance	\$11,764,815	\$12,095,945	\$12,416,397	\$12,991,756	\$1,647,838	\$3,383,326	\$9,059,399	\$28,131,600	\$30,976,298	\$31,160,157	\$30,258,406	\$29,725,504	\$29,288,686	
38	Interest	\$70,654	\$72,642	\$72,161	\$78,022	\$9,577	\$20,319	\$54,406	\$152,595	\$186,028	\$181,096	\$181,717	\$172,758	\$1,251,976	
39	Account adjustment (balance transfers and other)	(\$19)	(\$707)	(\$2,795)	(\$12,060,329)	(\$33,066)	(\$862)	(\$45,820)	\$0	(\$31,910)	\$2,525	(\$595)	(\$61,050)	(\$12,234,627)	
40	Commodity deferral Ending Balance	\$11,764,815	\$12,095,945	\$12,991,756	\$1,647,838	\$3,383,326	\$9,059,399	\$28,131,600	\$30,976,298	\$31,160,157	\$30,258,406	\$29,725,504	\$29,288,686	\$29,288,686	
42	DEMAND DEFERRAL CALCULATIONS														
44	Actual Demand Cost (w/true-ups) minus Storage Mitigation	\$891,080	\$896,677	\$865,352	\$878,299	\$1,344,636	\$1,405,800	\$1,375,808	\$1,289,710	\$1,385,194	\$1,263,716	\$853,750	\$851,215	\$13,301,238	
45	Total Demand billed (line 26)	\$268,491	\$350,425	\$386,572	\$773,709	\$1,983,549	\$2,239,403	\$1,812,637	\$1,909,735	\$1,578,030	\$1,258,529	\$401,893	\$437,768	\$13,400,742	
46	Cost versus collection	\$622,589	\$546,252	\$478,780.32	\$104,590	(\$638,912)	(\$833,603)	(\$436,830)	(\$620,025)	(\$192,836)	\$5,187.34	\$451,856	\$413,447	(\$99,505)	
47	Other Adjustment													\$0	
48	Total Demand deferral	\$622,589	\$546,252	\$478,780	\$104,590	(\$638,912)	(\$833,603)	(\$436,830)	(\$620,025)	(\$192,836)	\$5,187	\$451,856	\$413,447	(\$99,505)	
49	Demand deferral Beginning Balance	\$121,485	\$744,804	\$1,295,529	\$1,781,838	\$1,785,634	\$1,157,099	\$330,445	(\$1,844,712)	(\$2,474,743)	(\$2,682,441)	(\$2,692,844)	(\$2,257,159)	(\$1,856,831)	
51	Interest	\$730	\$4,473	\$7,529	\$10,701	\$10,378	\$6,949	\$1,984	(\$10,006)	(\$14,862)	(\$15,590)	(\$16,172)	(\$13,118)	(\$27,004)	
52	Account adjustment (balance transfers and other)	(\$0.02)			(\$111,495)	\$0.01	(\$1,740,312)	\$0.01		\$0.01				(\$1,851,807)	
53	Demand deferral Ending Balance	\$121,485	\$744,804	\$1,295,529	\$1,781,838	\$1,785,634	\$1,157,099	\$330,445	(\$1,844,712)	(\$2,474,743)	(\$2,682,441)	(\$2,692,844)	(\$2,257,159)	(\$1,856,831)	

**Cascade Natural Gas
Prior Commodity & Demand Amortization**

Line
No.

Line No.		Jul-22 (a)	Aug-22 (b)	Sep-22 (c)	Oct-22 (d)	Nov-22 (e)	Dec-22 (f)	Jan-23 (g)	Feb-23 (h)	Mar-23 (i)	Apr-23 (j)	May-23 (k)	Jun-23 (l)	SUM (A-L) (m)
1	Current prior amortization rate, \$/therm (source: deferral sheets)													
2		(\$0.03611)	(\$0.03611)	(\$0.03611)	(\$0.03611)	(\$0.03611)	(\$0.13373)	(\$0.13373)	(\$0.13373)	(\$0.13373)	(\$0.13373)	(\$0.13373)	(\$0.13373)	(\$0.13373)
3	Interest Rate, %, Re: authorizing order 12-437, UG 221	1.240%	1.240%	1.240%	1.240%	1.820%	1.820%	1.820%	1.820%	1.820%	1.820%	1.820%	1.820%	1.820%
9	Commodity therms	3,522,448	2,408,421	2,656,853	5,317,590	14,868,874	16,890,960	13,672,028	14,404,394	11,902,476	9,492,599	3,031,326	3,301,919	101,469,888
11	Amortization amount, (ln. 9 * ln. 1), \$	\$ (127,196)	\$ (86,968)	\$ (95,939)	\$ (192,018)	\$ (1,895,984)	\$ (2,258,828)	\$ (1,828,360)	\$ (1,926,300)	\$ (1,591,718)	\$ (1,269,445)	\$ (405,379)	\$ (441,566)	\$ (12,119,701)
13	Interest amount, \$, (ln.11 * ln.3)	\$ 564	\$ 431	\$ 329	\$ 239	\$ 18,261	\$ 15,967	\$ 12,500	\$ 8,755	\$ 6,729	\$ 4,141	\$ 2,323	\$ 1,646	\$ 71,887
15	Other adjustments (switchers' amortization, balance transfers, etc.)	\$ -	\$ -	\$ -	\$ 12,172,072				\$ (0.01)	\$ 0.01	\$ 0.01	\$ -	\$ -	
17	Commodity amortization balance, \$	\$ 535,882	\$ 409,250	\$ 322,713	\$ 227,103	\$ 12,207,396	\$ 10,329,673	\$ 8,086,812	\$ 6,270,952	\$ 4,353,408	\$ 2,768,419	\$ 1,503,115	\$ 1,100,059	\$ 660,139
19	Demand therms (for nwn, Firm)	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
21	Demand therms - Interruptible (for nwn)													
23	Amortization amount, (ln. 19 * ln. 1, col. D)+(line 21 * line 1, col E), \$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25	Interest amount, \$, (ln. 21 * ln. 3)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27	Other adjustments (switchers' amortization, balance transfers, etc.)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29	Demand amortization balance, \$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Cascade Natural Gas
Development of Gas Cost Related PGA Temporary Rate Increments
State of Oregon

Ln No.	Account Description (a)	Order (b)	Class (c)	New or Residual (d)	Account Balance 6/30/2023 (e)	Estimated Thru 10/31/23		Interest Accruals Thru Amortization (h)	Balance for Amortization (i)	Forecasted Therms (j)	Increment (k)	TEMPORARY INCREMENT		
						Interest Accruals (f)	Amortizations & Deferrals (g)					Firm (l)	Interruptible (m)	
1	Commodity Cost Deferrals (47OR.1910.01272) (See Commodity Cost Deferral)	22-393	Core	New	\$29,288,686	\$704,160		\$612,512	\$ 30,605,358					
2	Prior gas cost amortization to be included in increment (47OR.1910.01287) (See GC Consolidated Deferral)	22-393	Core	Residual	\$660,139	\$1,095	(\$1,928,988)	(\$25,890)	(\$1,293,644)					
3	Subtotal				\$29,948,825	\$705,255	(\$1,928,988)	\$586,622	\$29,311,714	93,210,838	0.31447	0.31447	0.31447	0.31447
4	Demand Cost Deferrals (47OR.1910.01273) (See Demand Cost Deferral)	22-393	Core	New	(\$1,856,831)	(\$44,642)		(\$38,832)	(\$1,940,304)	93,210,838	(0.02082)	(0.02082)	(0.02082)	(0.02082)
5	SUBTOTAL AMORTIZATION RATES BEFORE REVENUE SENSITIVE COSTS												0.29365	0.29365
6	REVENUE REQUIREMENT BEFORE REVENUE SENSITIVE COSTS				\$ 28,091,994	\$ 660,613	\$ (1,928,988)	\$ 547,790	\$ 27,371,410				0.02980	0.02980
7	REVENUE SENSITIVE COST PERCENTAGES:								2.98%					
8	REVENUE REQUIREMENT AFTER REVENUE SENSITIVE COSTS								\$ 28,212,131					
9	PROPOSED AMORTIZATION RATE INCLUDING REVENUE SENSITIVE COSTS												\$ 0.30267	\$ 0.30267
10	NEW WACOG - Commodity (from sch. 4) including revenue sensitive costs												\$ 0.28392	\$ 0.28392
11	NEW Demand Rates (from sch. 5) including revenue sensitive costs												\$ 0.17453	\$ 0.17453
12	NEW Delivered WACOG (gas only) rate including revenue sensitive costs												\$ 0.45845	\$ 0.45845
13	Total Gas Cost Rate before revenue sensitive costs												\$ 0.73844	\$ 0.73844

State:	Oregon
Description:	Core Market Commodity Costs
Account number:	47OR.1910.01272
Class of Customers:	Core
Deferral Period:	11/1/2022 to 10/31/2023
Deferral Account Order:	N/A
Amortization Period:	
Narrative:	Deferral of 90% of the difference between core commodity gas costs actually incurred and the average monthly base commodity gas cost as defined in rate schedule 177-A.

<i>Debit (Credit)</i>								
Month/Year	Rate	Therms	Deferral	Amortization	Interest Rate	Interest	Adjustments	Deferred Balance
Balance Forward								11,764,815.17
Jul-22			260,494.28		0.07071	70,653.68	(18.55)	12,095,944.58
Aug-22			248,516.77		0.07071	72,642.28	(706.83)	12,416,396.79
Sep-22			505,993.64		0.07071	72,161.38	(2,795.43)	12,991,756.38
Oct-22			638,388.82		0.07071	78,022.08	\$ (1,043.26)	13,707,124.02
						TRANSFER BALANCE TO 01287	(12,059,285.68)	1,647,838.34
Nov-22			1,758,976.38		0.07071	9,576.88	(33,065.96)	3,383,325.64
Dec-22			5,656,616.93		0.07071	20,318.59	(862.02)	9,059,399.14
Jan-23			19,063,614.04		0.07071	54,406.28	(45,819.88)	28,131,599.58
Feb-23			2,692,103.23		0.07071	152,595.04	0.00	30,976,297.85
Mar-23			29,740.34		0.07071	186,028.37	(31,909.93)	31,160,156.62
Apr-23			(1,085,371.95)		0.07071	181,096.00	2,524.89	30,258,405.56
May-23			(714,023.80)		0.07071	181,717.06	(594.98)	29,725,503.84
Jun-23			(548,526.66)		0.07071	172,758.11	(61,049.50)	29,288,685.79
Jul-23 est.			0.00		0.07071	175,893.40		29,464,579.19
Aug-23 est.			0.00		0.07071	176,949.73		29,641,528.92
Sep-23 est.			0.00		0.07071	172,270.07		29,813,798.99
Oct-23 est.					0.07071	179,046.97		29,992,845.97
Nov-23 est.		11,268,100		(3,699,830)	0.05130	126,462.99		26,419,479.15
Dec-23 est.		16,042,438		(5,267,462)	0.05130	115,109.31		21,267,126.32
Jan-24 est.		14,498,100		(4,760,386)	0.05130	92,660.58		16,599,401.17
Feb-24 est.		12,436,000		(4,083,305)	0.05130	67,657.34		12,583,754.01
Mar-24 est.		10,106,800		(3,318,522)	0.05130	54,827.24		9,320,059.07
Apr-24 est.		7,073,600		(2,322,585)	0.05130	39,297.45		7,036,771.88
May-24 est.		4,333,500		(1,422,885)	0.05130	30,659.12		5,644,545.83
Jun-24 est.		2,731,600		(896,909)	0.05130	23,799.88		4,771,437.17
Jul-24 est.		2,369,200		(777,916)	0.05130	20,789.09		4,014,310.12
Aug-24 est.		2,318,400		(761,236)	0.05130	17,490.29		3,270,564.24
Sep-24 est.		3,034,500		(996,364)	0.05130	13,790.13		2,287,989.99
Oct-24 est.		6,998,600		(2,297,959)	0.05130	9,968.74		0.00
Therms Nov-Oct 2024		93,210,838						0.00
Development of Amortization Rate								(0.32835)
June 30, 2023 Balance							29,288,685.79	
Interest through Oct 31, 2023							704,160.18	
Interest During Amortization Period (Nov 1, 2023 through Oct 31, 2024)							612,512.16	
Balance to Amortize							<u>30,605,358.13</u>	
								(0.32835)

State:	Oregon
Description:	OR 11/01/16 Consolidated Accounts: Gas Cost Related PGA Temporary Rate Increments
Account number:	47OR.1910.01287
Class of Customers:	Core
Deferral Period:	
Deferral Account Order:	
Amortization Period:	11/1/2022 through 10/31/2023
Narrative:	This records the consolidated deferral accounts corresponding to the temporary technical adjustments included in the PGA tracker effective 11/1/2016 that are incorporated into the customers' per therm gas rates through schedule 191.

Month/Year	Rate	Therms	Deferral	Amortization	Debit (Credit)		Adjustments	Deferred Balance
					Interest Rate	Interest		
Oct-22	Balance Forward							12,207,395.85
Nov-22	Prorated	14,868,874		(1,895,983.51)	0.01820	18,260.93		10,329,673.27
Dec-22	(0.13373)	16,890,960		(2,258,828.08)	0.01820	15,967.13		8,086,812.33
Jan-23	(0.13373)	13,672,028		(1,828,360.30)	0.01820	12,500.22		6,270,952.23
Feb-23	(0.13373)	14,404,394		(1,926,299.61)	0.01820	8,755.28		4,353,407.90
Mar-23	(0.13373)	11,902,476		(1,591,718.12)	0.01820	6,729.30		2,768,419.08
Apr-23	(0.13373)	9,492,599		(1,269,445.25)	0.01820	4,141.25		1,503,115.08
May-23	(0.13373)	3,031,326		(405,379.22)	0.01820	2,323.45		1,100,059.31
Jun-23	(0.13373)	3,301,919		(441,565.64)	0.01820	1,645.57		660,139.24
Jul-23 est.	(0.13373)	2,306,000		(308,381.38)	0.01820	1,020.41		352,778.28
Aug-23 est.	(0.13373)	2,287,800		(305,947.49)	0.01820	545.31		47,376.09
Sep-23 est.	(0.13373)	2,974,700		(397,806.63)	0.01820	70.87		(350,359.67)
Oct-23 est.	(0.13373)	6,856,000		(916,852.88)	0.01820	(541.57)		(1,267,754.12)
Nov-23 est.	0.01388	11,268,100		156,386.44	0.05130	(5,345.41)		(1,116,713.09)
Dec-23 est.	0.01388	16,042,438		222,647.99	0.05130	(4,865.50)		(898,930.60)
Jan-24 est.	0.01388	14,498,100		201,214.60	0.05130	(3,916.63)		(701,632.62)
Feb-24 est.	0.01388	12,436,000		172,595.36	0.05130	(2,859.78)		(531,897.04)
Mar-24 est.	0.01388	10,106,800		140,269.12	0.05130	(2,317.47)		(393,945.39)
Apr-24 est.	0.01388	7,073,600		98,172.29	0.05130	(1,661.05)		(297,434.15)
May-24 est.	0.01388	4,333,500		60,143.29	0.05130	(1,295.92)		(238,586.77)
Jun-24 est.	0.01388	2,731,600		37,911.02	0.05130	(1,005.99)		(201,681.73)
Jul-24 est.	0.01388	2,369,200		32,881.39	0.05130	(878.72)		(169,679.07)
Aug-24 est.	0.01388	2,318,400		32,176.35	0.05130	(739.29)		(138,242.01)
Sep-24 est.	0.01388	3,034,500		42,114.88	0.05130	(582.89)		(96,710.02)
Oct-24 est.	0.01388	6,998,600		97,131.38	0.05130	(421.36)		0.00
Therms Nov-Oct 2024		93,210,838					Balance at end of Amort Period:	0.00
							Amort Rate to Achieve This:	0.01388

Development of Amortization Rate

June 30, 2023 Balance	660,139.24
Interest through Oct 31, 2023	1,095.02
Amortizations through Oct 31, 2023	(1,928,988.39)
Interest During Amortization Period (Nov 1, 2023 through Oct 31, 2024)	(25,890.00)
Balance to Amortize	<u>(1,293,644.12)</u>
	0.01388

State:	Oregon
Description:	Core Market Demand & Gas Storage Mitigation Costs
Account number:	47OR.1910.01273
Class of Customers:	Core
Deferral Period:	11/1/2022 to 10/31/2023
Deferral Account Order:	N/A
Amortization Period:	N/A
Narrative:	This records the deferral of the differences between core demand costs actually incurred and the embedded demand costs collected in the tariffs as well as the Tenaska capacity reservation and gas storage mitigation costs based on therms.

Month/Year	Rate	Therms	Deferral	Debit (Credit)		Interest	Adjustments	Deferred Balance
				Amortization	Interest Rate			
Balance Forward								121,485.27
Jul-22			622,589.14		0.07071	729.58		744,803.97
Aug-22			546,251.62		0.07071	4,472.93		1,295,528.52
Sep-22			478,780.33		0.07071	7,529.33		1,781,838.16
Oct-22			104,589.76		0.07071	10,700.84	12,911.32	1,910,040.11
							(124,406.02)	1,785,634.09
					TRANSFER BALANCE TO 01287			
Nov-22			(638,912.44)		0.07071	10,377.71		1,157,099.36
Dec-22			(833,603.06)		0.07071	6,948.97		330,445.27
Jan-23			(2,177,141.95)		0.07071	1,984.49		(1,844,712.19)
Feb-23			(620,024.55)		0.07071	(10,006.33)		(2,474,743.06)
Mar-23			(192,836.00)		0.07071	(14,862.09)		(2,682,441.14)
Apr-23			5,187.34		0.07071	(15,589.76)		(2,692,843.56)
May-23			451,856.48		0.07071	(16,171.89)		(2,257,158.97)
Jun-23			413,446.53		0.07071	(13,118.11)		(1,856,830.55)
Jul-23 est.					0.07071	(11,151.21)		(1,867,981.76)
Aug-23 est.					0.07071	(11,218.18)		(1,879,199.94)
Sep-23 est.					0.07071	(10,921.50)		(1,890,121.44)
Oct-23 est.					0.07071	(11,351.14)		(1,901,472.57)
Nov-23 est.		11,268,100		234,560.10	0.05130	(8,017.44)		(1,674,929.92)
Dec-23 est.		16,042,438		333,944.12	0.05130	(7,297.65)		(1,348,283.44)
Jan-24 est.		14,498,100		301,796.73	0.05130	(5,874.45)		(1,052,361.17)
Feb-24 est.		12,436,000		258,871.45	0.05130	(4,289.31)		(797,779.02)
Mar-24 est.		10,106,800		210,386.13	0.05130	(3,475.91)		(590,868.81)
Apr-24 est.		7,073,600		147,246.15	0.05130	(2,491.36)		(446,114.02)
May-24 est.		4,333,500		90,207.42	0.05130	(1,943.71)		(357,850.31)
Jun-24 est.		2,731,600		56,861.79	0.05130	(1,508.85)		(302,497.38)
Jul-24 est.		2,369,200		49,317.97	0.05130	(1,317.98)		(254,497.38)
Aug-24 est.		2,318,400		48,260.50	0.05130	(1,108.84)		(207,345.72)
Sep-24 est.		3,034,500		63,167.05	0.05130	(874.26)		(145,052.93)
Oct-24 est.		6,998,600		145,684.92	0.05130	(631.99)		0.00
Therms Nov-Oct 2024		93,210,838						0.00
								Balance at end of Amort Period:
								Amort Rate to Achieve This:
								0.02082
Development of Amortization Rate								
June 30, 2023 Balance							(1,856,830.55)	
Interest through Oct 31, 2023							(44,642.02)	
Interest During Amortization Period (Nov 1, 2023 through Oct 31, 2024)							(38,831.76)	
							<u>(1,940,304.34)</u>	
								0.02082

Cascade Natural Gas Corporation
2023-2024 PGA
New WACOG Commodity

SYSTEM COSTS

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
			November	December	January	February	March	April	May	June	July	August	September	October	TOTAL
4	COSTS														
5	Supply Commodity Cost		\$2,976,417	\$4,514,430	\$3,975,949	\$3,705,973	\$3,002,706	\$858,404	\$473,781	\$719,657	\$645,104	\$638,336	\$791,960	\$1,847,870	\$24,150,586
6	tab IV-4 Phys resources, row 936, columns G to S														
7	Volumetric Pipeline Chgs	\$	\$ 27,228.93	\$ 32,992.62	\$ 30,737.08	\$ 28,194.75	\$ 25,698.18	\$ 22,965.04	\$ 3,783.35	\$ 2,384.53	\$ 2,024.44	\$ 1,985.94	\$ 2,767.74	\$ 6,023.46	\$ 186,786
8	tab OR Pipeline Comm Costs by Month, row 30 & 58 D to O and tab Summary-OR Gas Cost Track, Transportation Commodity														
9	Commodity Cost from Storage	\$	\$63,471	\$405,796	\$566,215	\$265,673	\$37,242	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ 1,338,397
10	tab V4-7-g Stor Flow & Avg Cost, row 63, column e through p														
11	Other Costs & Miscellaneous Changes	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12															
13	Total Commodity Cost		\$3,067,117	\$4,953,218	\$4,572,901	\$3,999,841	\$3,065,646	\$881,369	\$477,564	\$722,041	\$647,128	\$640,322	\$794,728	\$1,853,893	\$25,675,769
14															
15	VOLUMES														
16	Pipeline Commodity at Receipt Points		10,856,088	14,499,276	12,753,452	11,603,787	10,142,154	7,250,384	4,516,109	2,875,403	2,492,672	2,463,492	3,173,927	7,066,549	89,693,292
17	Pipeline Fuel Use/Unaccounted for Gas		224,792	356,351	227,967	39,951	(168,639)	(176,784)	(182,609)	(143,803)	(123,472)	(145,092)	(139,427)	(67,949)	(298,714)
18	Total Pipeline Gas Arriving at City Gate		11,080,880	14,855,627	12,981,419	11,643,738	9,973,515	7,073,600	4,333,500	2,731,600	2,369,200	2,318,400	3,034,500	6,998,600	89,394,578
19	Storage Gas Deliveries		187,220	1,186,811	1,516,681	792,262	133,285	0	0	0	0	0	0	0	3,816,260
20	Total Gas At Citygate (Storage and Pipeline)		11,268,100	16,042,438	14,498,100	12,436,000	10,106,800	7,073,600	4,333,500	2,731,600	2,369,200	2,318,400	3,034,500	6,998,600	93,210,838
21															
22															
23															
24	Load Served		11,268,100	16,042,438	14,498,100	12,436,000	10,106,800	7,073,600	4,333,500	2,731,600	2,369,200	2,318,400	3,034,500	6,998,600	93,210,838
25															
26	Annual Sales WACOG														\$0.27546
27															
28	OREGON Sales WACOG with Revenue Sensitive														\$0.28392

Cascade Natural Gas Corporation
 2023-2024 PGA - OREGON
 Derivation of Oregon per Therm Non-Commodity Charges

Oregon Derivation of Demand Increments

		Without Revenue Sensitive	With Revenue Sensitive
	(a)	(c)	(d)
1			
2			
3			
4	System Demand for Allocation	\$ 60,314,554	
5	Oregon Allocation Factor (Based on Peak Day)	21.88%	
6	Oregon Allocated Demand Costs	\$13,198,753	
7	Ruby Demand for Allocation	\$2,036,250	
8	Oregon Allocation Factor (Based Non-NWP Allocation)	89.21%	
9	Oregon Ruby Allocated System Demand	\$1,816,597	
10	Hedging Admin Costs	\$4,631	
11	Plus Demand Costs -Central Oregon	\$2,001,042	
12	Less Oregon Capacity Release Credits	(\$1,237,934)	
13	OREGON DEMAND COSTS	\$15,783,089	\$ 16,267,872
14			
15	Oregon Sales Forecasted Normal Volumes	93,210,838	93,210,838
16			
17	Proposed Demand Increment Per Therm (line 13/line 15)	\$0.16933	\$0.17453
18			
19	Current Firm Demand Per Therm	\$0.13258	\$0.13671
20			
21	Percent Change in Firm Demand	27.72%	27.66%

Cascade Natural Gas Corporation
2023-2024 PGA - OREGON
Summary of Rate and Revenue Impact

(a)	(b)	Without Revenue Sensitive (c)	With Revenue Sensitive (d)
<u>PROPOSED PER THERM RATE CHANGES</u>			
1 Proposed Commodity WACOG		0.27546	0.28392
2 Current Commodity WACOG		0.42985	0.44324
3 Proposed Rate Change-Commodity WACOG		<u>(0.15439)</u>	<u>(0.15932)</u>
4			
5 Proposed Firm Demand Per Therm		0.16933	0.17453
6 Current Firm Demand Per Therm		0.13258	0.13671
7 Proposed Rate Change-Firm Demand WACOG		<u>0.03675</u>	<u>0.03782</u>
8			
9 Proposed Temporary Rate Increment		0.29365	0.30267
10 Current Temporary Rate Increment		0.13373	0.13789
11 Proposed Rate Change-Temporary Rate Increment		<u>0.15992</u>	<u>0.16478</u>
12			
13 TOTAL PROPOSED PGA RATE CHANGE			<u>0.04328</u>
14			
15 Oregon Forecasted Therm Sales		93,210,838	
16			
17 <u>REVENUE IMPACT</u>			
18			
19 Commodity Cost Change			(14,850,351)
20 Demand Cost Change			3,525,234
21 Amortization of Commodity and Demand Cost Differences			15,359,240
22			
23 Total Revenue Impact Due to PGA Filing			<u>4,034,123</u>
24			
25 Operating Revenues for 12 Month Period Ending 12/31/22			96,467,596
26			
27 PERCENTAGE CHANGE IN REVENUES DUE TO PGA FILING			4.18%

Before the
PUBLIC UTILITY COMMISSION OF OREGON

EXHIBIT 2

Summary of Proposed Changes

Summary of Total Proposed Rates (Schedule 1 of 4)
Total Proposed Rates Impact on Average Bill by Rate Schedule (Schedule 2 of 4)
Notice to the Public (Schedule 3 of 4)
What is a PGA (Schedule 4 of 4)

Cascade Natural Gas Corporation

July 28, 2023

Cascade Natural Gas Corporation
SUMMARY OF TOTAL PROPOSED RATES
STATE OF OREGON

Ln No.	Customer Class	Schedule	Block	Current 7/1/2023 Rate	Total Proposed Changes				Total Change	Proposed 11/1/2023 Rate
					PGA Base Gas Cost	CAP Baseline Adj	Non Gas Cost Temporary Rate Adj			
							Remove 21	Add New		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i) = e thru h	(j) = d + i	
CORE MARKET SERVICE										
1	Residential	101		\$1.11753	\$0.04328		\$0.00736	(\$0.02855)	\$0.02209	\$1.13962
2	Commercial	104		\$0.98467	\$0.04328		\$0.01699	(\$0.03353)	\$0.02674	\$1.01141
3	Com-Ind Dual	111		\$0.88732	\$0.04328		(\$0.00022)	\$0.00000	\$0.04306	\$0.93038
4	Industrial Firm	105		\$0.97065	\$0.04328		(\$0.00022)	\$0.00000	\$0.04306	\$1.01371
5	Industrial Interruptible	170		\$0.84926	\$0.04328		(\$0.00022)	\$0.00000	\$0.04306	\$0.89232
NONCORE MARKET SERVICE										
6	Distribution Transportation	163	First 10,000	\$0.13015	\$0.00000	\$0.00000	(\$0.00022)	\$0.00000	(\$0.00022)	\$0.12993
7	Distribution Transportation	163	Next 10,000	\$0.11759	\$0.00000	\$0.00000	(\$0.00022)	\$0.00000	(\$0.00022)	\$0.11737
8	Distribution Transportation	163	Next 30,000	\$0.11059	\$0.00000	\$0.00000	(\$0.00022)	\$0.00000	(\$0.00022)	\$0.11037
9	Distribution Transportation	163	Next 50,000	\$0.06862	\$0.00000	\$0.00000	(\$0.00022)	\$0.00000	(\$0.00022)	\$0.06840
10	Distribution Transportation	163	Next 400,000	\$0.03571	\$0.00000	\$0.00000	(\$0.00022)	\$0.00000	(\$0.00022)	\$0.03549
11	Distribution Transportation	163	Next 500,000	\$0.01998	\$0.00000	\$0.00000	(\$0.00022)	\$0.00000	(\$0.00022)	\$0.01976
			Over 1,000,000	\$0.00371	\$0.00000	\$0.00000	(\$0.00022)	\$0.00000	(\$0.00022)	\$0.00349

Cascade Natural Gas Corporation
TOTAL PROPOSED RATES IMPACT ON AVERAGE BILL BY RATE SCHEDULE
STATE OF OREGON

Ln No.	Customer Class	Schedule	Therms in Block	Normalized Volumes	Average Customers	Therms Per Month	Monthly Charge	Current 7/1/2023 Rate	Current Avg Bill	Total Proposed 11/1/2023 Rate	Total Proposed Avg Bill	Monthly Change in Avg Bill	Proposed Rates % Change
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
					= d / e / 12			= g + (f * h)		= g + (f * j)		= l / i	
CORE MARKET SERVICE													
1	Residential	101		56,045,693	71,755	65 *	\$6.81	\$1.11753	\$79.45	\$1.13962	\$80.89	\$1.44	1.81%
2	Commercial	104		36,266,112	10,466	289	\$12.00	\$0.98467	\$296.57	\$1.01141	\$304.30	\$7.73	2.61%
3	Com-Ind Dual	111		3,248,161	18	15,038	\$144.00	\$0.88732	\$13,487.52	\$0.93038	\$14,135.05	\$647.54	4.80%
4	Industrial Firm	105		3,412,653	160	1,779	\$35.00	\$0.97065	\$1,761.79	\$1.01371	\$1,838.39	\$76.60	4.35%
5	Industrial Interruptible	170		2,737,831	4	57,038	\$300.00	\$0.84926	\$48,740.09	\$0.89232	\$51,196.15	\$2,456.06	5.04%
NONCORE MARKET SERVICE													
6	Distribution Transportation	163	10,000	1,587,636	32		\$625.00	\$0.13015	\$1,926.50	\$0.12993	\$1,924.30		
7	Distribution Transportation	163	10,000	2,629,644				\$0.11759	\$1,175.90	\$0.11737	\$1,173.70		
8	Distribution Transportation	163	30,000	4,541,575				\$0.11059	\$3,317.70	\$0.11037	\$3,311.10		
9	Distribution Transportation	163	50,000	4,436,794				\$0.06862	\$3,335.90	\$0.06840	\$3,325.20		
10	Distribution Transportation	163	400,000	18,977,889				\$0.03571		\$0.03549			
11	Distribution Transportation	163	500,000	4,035,741				\$0.01998		\$0.01976			
12	Distribution Transportation		Over 1,000,000	1,658,535				\$0.00371		\$0.00349			
13	Total			37,867,814		98,614			\$9,756.00		\$9,734.30	(\$21.70)	-0.22%
14								Overall	\$74,121.42		\$77,289.08	\$3,167.66	4.27%
15	* includes the EDP monthly charge												

DRAFT

Advice No. CNGV023-07-01

Cascade Natural Gas Corporation

NOTICE TO THE PUBLIC

Oregon Service Area

Cascade Natural Gas Corporation is on this date filing with the Oregon Public Utility Commission (OPUC) at Salem, Oregon, revisions to Rate Schedule Nos. 177, 191, 192, and 193, which upon approval by the Commission will become effective November 1, 2023.

The rate adjustments proposed in this filing are designed to pass on 1.) changes in the cost of gas and transportation services paid by Cascade to gas suppliers and interstate natural gas pipelines, temporary differences in purchased gas costs, that occur over time, as a result of differences between the actual cost of gas paid by the Company and the amount allowed for in Core customer rates, and removal of certain temporary technical deferral adjustments; and 2.) changes resulting from the Company's Conservation Alliance Plan and Intervenor Funding.

The overall effect of the proposed rate adjustments on the monthly bill of a residential customer with consumption of 65 therms will be a net increase of \$1.44 or 1.81%. For small commercial customers, the increase in the monthly bill for consumption of 289 therms will be \$7.73 or 2.61%. Large volume core customers will experience an average increase of 4.35% depending on monthly volumes consumed. Large volume interruptible customers will experience an average increase of 5.04%. Large volume non-core customers will experience an average decrease of 0.22% for distribution service from Cascade depending on the monthly volumes consumed.

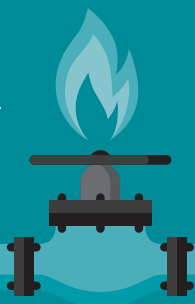
The filing may be found on the Company's website: www.cngc.com. For additional information, please call the Company at 888-522-1130 or write to: Cascade Natural Gas Corporation, 8113 W. Grandridge Blvd, Kennewick, WA 99336-7166.

For additional information about this proceeding, including hearing dates, please call the Commission at 800-522-2404 or send written questions to:
Public Utility Commission of Oregon, PO Box 1088, Salem, OR 97308-1088

By: Lori Blattner
Director, Regulatory Affairs

Date: September 15, 2023

WHAT IS A PGA?



In the natural gas industry, a **Purchase Gas Adjustment (PGA)** is designed to reflect the actual costs of gas supplies in customers' bills. Therefore, a PGA filing does not affect a company's profits.

Each year, Cascade Natural Gas makes the best possible projection of the cost of gas for the coming year. Any differences between the gas costs included in the company's overall rates and the actual cost of gas are calculated and passed back to customers in the next PGA filing. If actual gas costs are lower than originally projected, customers will see lower rates. If gas costs are higher, rates will go up.

Based on projected gas costs, Cascade Natural Gas is anticipating an increase to rates for Washington and Oregon customers in its PGA filings. Customers are encouraged to use energy wisely and continue conservation efforts.

To learn how to be more energy efficient, visit www.cngc.com/energy-efficiency.

08/2023



In the Community to Serve®

Schedule 4 of 4



www.cngc.com
888-522-1130

**Before the
PUBLIC UTILITY COMMISSION OF OREGON**

EXHIBIT 3

Attachments to Staff's Public Meeting Memos

Attachment A - Incremental Change to Revenue by Rate Schedule

Attachment B - Incremental Change to Revenue by Adjustment

Attachment C - Three Percent Test

Attachment D - Bill Impacts

Attachment E – PGA Summary

Cascade Natural Gas Corporation

July 28, 2023

**Cascade Natural Gas
2023 PGA
Incremental Revenue Change by Customer Rate Schedule
Attachment A**

Customer Rate Schedule	Description	Gas Cost & Adjustment Schedule Total Revenue at Current ¹	Gas Cost & Adjustment Schedule Total Revenue at Proposed	Total Incremental Change in Revenue	Incremental Percentage Change by Rate Schedule	Percent Contribution to Total Incremental Change
101	Residential	56,057,159	57,177,620	1,120,461	2.00%	46.79%
104	Commercial	32,621,934	33,517,819	895,885	2.75%	37.41%
105	Industrial	3,088,567	3,227,054	138,487	4.48%	5.78%
111	Large Volume	2,809,412	2,947,007	137,595	4.90%	5.75%
170	Interruptible	2,164,762	2,275,491	110,729	5.12%	4.62%
163	Transportation	2,026,455	2,018,125	(8,331)	-0.41%	-0.35%
		98,768,289	101,163,115	2,394,826	2.42%	100.00%

Notes:

¹ Revenue at "Current" does not reflect current revenues, but rather what the revenues would be if existing rates continued to be in effect during the upcoming year (i.e. current rates times forecasted therms). There will be small differences with the Advice filings.

Customer Schedule No.	Rate Class Type	Block	Adjustment Tariff No. 177.2 PGA Gas Costs WACOG		Margin (Base Rate) 101/104/105/111/170/163		Adjustment Tariff No. 191 Temporary Gas		Adjustment Tariff No. 192 Intervenor		Adjustment Tariff No. 193 Conservation		Forecast Therms	Revenue at Current	Revenue at Proposed	Change in Revenue	% Change
			Current Rate	Proposed Rate	Current Rate	Proposed Rate	Current Rate	Proposed Rate	Current Rate	Proposed Rate	Current Rate	Proposed Rate					
101	Residential		\$ 0.57995	\$ 0.45845	\$ 0.39467	\$ 0.39467	\$ 0.13789	\$ 0.30267	\$ 0.00088	\$ 0.00099	\$ (0.00824)	(0.02954)	50,723,575	\$56,057,159	\$57,177,620	\$1,120,461	2.00%
104	Commercial		\$ 0.57995	\$ 0.45845	\$ 0.27282	\$ 0.27282	\$ 0.13789	\$ 0.30267	\$ -	\$ -	\$ (0.01699)	(0.03353)	33,504,097	\$32,621,934	\$33,517,819	\$895,885	2.75%
105	Industrial		\$ 0.57995	\$ 0.45845	\$ 0.24226	\$ 0.24226	\$ 0.13789	\$ 0.30267	\$ 0.00022	\$ -	\$ -	\$ -	3,216,185	\$3,088,567	\$3,227,054	\$138,487	4.48%
111	Large Volume		\$ 0.57995	\$ 0.45845	\$ 0.16113	\$ 0.16113	\$ 0.13789	\$ 0.30267	\$ 0.00022	\$ -	\$ -	\$ -	3,195,455	\$2,809,412	\$2,947,007	\$137,595	4.90%
170	Interruptible		\$ 0.57995	\$ 0.45845	\$ 0.12376	\$ 0.12376	\$ 0.13789	\$ 0.30267	\$ 0.00022	\$ -	\$ -	\$ -	2,571,526	\$2,164,762	\$2,275,491	\$110,729	5.12%
163	Transportation	Block 1	\$ -	\$ -	\$ 0.12833	\$ 0.12833	\$ -	\$ -	\$ 0.00022	\$ -	\$ -	\$ -	1,587,636	\$204,091	\$203,741	(\$349)	-0.17%
		Block 2	\$ -	\$ -	\$ 0.11577	\$ 0.11577	\$ -	\$ -	\$ 0.00022	\$ -	\$ -	\$ -	2,629,644	\$305,012	\$304,434	(\$579)	-0.19%
		Block 3	\$ -	\$ -	\$ 0.10877	\$ 0.10877	\$ -	\$ -	\$ 0.00022	\$ -	\$ -	\$ -	4,541,575	\$494,986	\$493,987	(\$999)	-0.20%
		Block 4	\$ -	\$ -	\$ 0.06680	\$ 0.06680	\$ -	\$ -	\$ 0.00022	\$ -	\$ -	\$ -	4,436,794	\$297,354	\$296,378	(\$976)	-0.33%
		Block 5	\$ -	\$ -	\$ 0.03389	\$ 0.03389	\$ -	\$ -	\$ 0.00022	\$ -	\$ -	\$ -	18,977,889	\$647,336	\$643,161	(\$4,175)	-0.64%
		Block 6	\$ -	\$ -	\$ 0.01816	\$ 0.01816	\$ -	\$ -	\$ 0.00022	\$ -	\$ -	\$ -	4,035,741	\$74,177	\$73,289	(\$888)	-1.20%
		Block 7	\$ -	\$ -	\$ 0.00189	\$ 0.00189	\$ -	\$ -	\$ 0.00022	\$ -	\$ -	\$ -	1,658,535	\$3,500	\$3,135	(\$365)	-10.43%
163	Transportation Total												\$2,026,455	\$2,018,125	(\$8,331)	-0.41%	

**Cascade Natural Gas
2023 PGA
Incremental Revenue Change by Adjustment Schedule
Attachment B**

Adjustment Schedule No. & Description	Gas Cost & Adjustment Schedule Revenue at Current ¹	Gas Cost & Adjustment Revenue at Proposed	Total Incremental Change in Revenue	% Contribution to Total Incremental Change
177-A PGA	\$54,057,625	\$42,732,508	(\$11,325,117)	-472.90%
191 Temporary Gas Cost Adj	\$12,852,843	\$28,212,083	\$15,359,240	641.35%
192 Intervenor Funding	\$54,945	\$50,216	(\$4,729)	-0.20%
193 CAP	(\$987,197)	(\$2,621,766)	(\$1,634,569)	-68.25%
Total	\$65,978,216	\$68,373,041	\$2,394,825	100.00%

Note:

¹ Revenue at "Current" does not reflect current revenues, but rather what the revenues would be if existing rates continued to be in effect during the upcoming year (i.e. current rates times forecasted therms). There will be small differences with the Advice filings.

Adjustment Schedule No.

2023-2024

Advice No.	Description	Schedule No.	Rate Class	Type	Block	Current Rate	Proposed Rate	Proposed Therms	Revenue at Current	Revenue at Proposed	Change in Revenue	Percent Change in Annual Revenues
		101	Residential			\$ 0.57995	0.45845	50,723,575	\$29,417,137	\$23,254,223	(\$6,162,914)	
		104	Commercial			\$ 0.57995	0.45845	33,504,097	\$19,430,701	\$15,359,953	(\$4,070,748)	
		105	Industrial			\$ 0.57995	0.45845	3,216,185	\$1,865,226	\$1,474,460	(\$390,766)	
		111	Large Volume			\$ 0.57995	0.45845	3,195,455	\$1,853,204	\$1,464,956	(\$388,248)	
		170	Interruptible			\$ 0.57995	0.45845	2,571,526	\$1,491,357	\$1,178,916	(\$312,441)	
Advice No. O22-07-02	177-A - PGA							Total	\$54,057,625	\$42,732,508	(\$11,325,117)	-11.7%
		101	Residential			\$ 0.13789	0.30267	50,723,575	\$6,994,274	\$15,352,482	\$8,358,208	
		104	Commercial			\$ 0.13789	0.30267	33,504,097	\$4,619,880	\$10,140,670	\$5,520,790	
		105	Industrial			\$ 0.13789	0.30267	3,216,185	\$443,480	\$973,441	\$529,961	
		111	Large Volume			\$ 0.13789	0.30267	3,195,455	\$440,621	\$967,167	\$526,546	
		170	Interruptible			\$ 0.13789	0.30267	2,571,526	\$354,588	\$778,323	\$423,735	
Advice No. O22-07-02	191-Temp Gas Cost							Total	\$12,852,843	\$28,212,083	\$15,359,240	15.9% 4.18%
		101	Residential			\$ 0.00088	0.00099	50,723,575	\$44,637	\$50,216	\$5,579	
		104	Commercial			\$ -	0.00000	33,504,097	\$0	\$0	\$0	
		105	Industrial			\$ 0.00022	0.00000	3,216,185	\$708	\$0	(\$708)	
		111	Large Volume			\$ 0.00022	0.00000	3,195,455	\$703	\$0	(\$703)	
		170	Interruptible			\$ 0.00022	0.00000	2,571,526	\$566	\$0	(\$566)	
		163	Distribution		Block 1	\$ 0.00022	0.00000	1,587,636	\$349	\$0	(\$349)	
					Block 2	\$ 0.00022	0.00000	2,629,644	\$579	\$0	(\$579)	
					Block 3	\$ 0.00022	0.00000	4,541,575	\$999	\$0	(\$999)	
					Block 4	\$ 0.00022	0.00000	4,436,794	\$976	\$0	(\$976)	
					Block 5	\$ 0.00022	0.00000	18,977,889	\$4,175	\$0	(\$4,175)	
					Block 6	\$ 0.00022	0.00000	4,035,741	\$888	\$0	(\$888)	
					Block 7	\$ 0.00022	0.00000	1,658,535	\$365	\$0	(\$365)	
Advice No. O22-07-03	192 - Intervenor							Total	\$54,945	\$50,216	(\$4,729)	0.00%
		101	Residential			\$ (0.00824)	(0.02954)	50,723,575	(\$417,962)	(\$1,498,374)	(\$1,080,412)	
		104	Commercial			\$ (0.01699)	(0.03353)	33,504,097	(\$569,235)	(\$1,123,392)	(\$554,157)	
Advice No. O22-07-04	193 - CAP							Total	(\$987,197)	(\$2,621,766)	(\$1,634,569)	-1.69%
		101	Residential			\$ 0.39467	0.39467	50,723,575	\$20,019,073	\$20,019,073	\$0	
		104	Commercial			\$ 0.27282	0.27282	33,504,097	\$9,140,588	\$9,140,588	\$0	
		105	Industrial			\$ 0.24226	0.24226	3,216,185	\$779,153	\$779,153	\$0	
		111	Large Volume			\$ 0.16113	0.16113	3,195,455	\$514,884	\$514,884	\$0	
		170	Interruptible			\$ 0.12376	0.12376	2,571,526	\$318,252	\$318,252	\$0	
		163	Distribution		Block 1	\$ 0.12833	0.12833	1,587,636	\$203,741	\$203,741	\$0	
					Block 2	\$ 0.11577	0.11577	2,629,644	\$304,434	\$304,434	\$0	
					Block 3	\$ 0.10877	0.10877	4,541,575	\$493,987	\$493,987	\$0	
					Block 4	\$ 0.06680	0.06680	4,436,794	\$296,378	\$296,378	\$0	
					Block 5	\$ 0.03389	0.03389	18,977,889	\$643,161	\$643,161	\$0	
					Block 6	\$ 0.01816	0.01816	4,035,741	\$73,289	\$73,289	\$0	
					Block 7	\$ 0.00189	0.00189	1,658,535	\$3,135	\$3,135	\$0	
Advice No.	Margin							Total	\$32,790,075	\$32,790,075	\$0	

**Cascade Natural Gas
2023-2024 PGA
Three Percent Test
Attachment C**

	Surcharge	Credit	
Prior Period Gas Cost Deferral True-Up	28,212,131		
 <u>Non-Gas Cost Amortizations</u>			
Intervenor Funding	\$50,272		
Other Residuals			
Decoupling		(2,621,719)	
Subtotal	50,272	(2,621,719)	
Total	28,262,403	(2,621,719)	
Total Proposed Amortization			\$25,640,684
Less: Intervenor Funding ¹			(\$50,272)
Net Proposed Amortizations (subject to the 3% test)			\$25,590,412
Utility Gross Revenues (2022)			\$96,467,596
3% of Utility Gross Revenues²			\$2,894,028
Allowed Amortization			\$25,590,412
Allowed Amortization as % of Gross Revenues			26.53%

¹ Intervenor Funding is excluded from the result of the 3% test pursuant to ORS 757.259(4)

² Unadjusted general revenues as shown in the most recent Results of Operation.

**Proposed Rate & Bill Increases for ALL Oregon Local Distribution Companies by Class of Service
2023-2024 PGA
Attachment D**

Class of Service	Rate Schedule	RATE IMPACTS*			
		Current Rate per Therm	Proposed Rate per Therm	Change Rate per Therm	%-Change Rate per Therm
Residential					
Avista	410	\$0.00000	\$0.00000	\$0.00000	#DIV/0!
Cascade	101	\$1.11753	\$1.13962	\$0.02209	1.98%
NW Natural	2	\$0.00000	\$0.00000	\$0.00000	#DIV/0!
Commercial					
Avista	420	\$0.00000	\$0.00000	\$0.00000	#DIV/0!
Cascade	104	\$0.98467	\$1.01141	\$0.02674	2.72%
NW Natural	3	\$0.00000	\$0.00000	\$0.00000	#DIV/0!
Industrial					
Avista	424	\$0.00000	\$0.00000	\$0.00000	#DIV/0!
Cascade	105	\$0.97065	\$1.01371	\$0.04306	4.4%
NW Natural	31ISF	\$0.00000	\$0.00000	\$0.00000	#DIV/0!
Interruptible					
Avista	440	\$0.00000	\$0.00000	\$0.00000	#DIV/0!
Cascade	170	\$0.84926	\$0.89232	\$0.04306	5.1%
NW Natural	32ISI	\$0.00000	\$0.00000	\$0.00000	#DIV/0!

RESIDENTIAL BILL IMPACTS													
	Rate Schedule	Average January Therms	Monthly Charge	Current January Bill	Proposed January Bill	Change January Bill	%-Change January Bill	Annual Therms/Month	Monthly Charge	Current Monthly Bill	Proposed Monthly Bill	Change Monthly Bill	%-Change Monthly Bill
Avista	410	0	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!	0	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!
Cascade	101	110	\$6.81	\$129.74	\$132.17	\$2.43	1.87%	65	\$6.81	\$79.45	\$80.89	\$1.44	1.81%
NW Natural	2	0	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!	0	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!

* The residential rates illustrated above do not include pass-through charges included on customer bills that utilities are required to collect and distribute to the appropriate third parties, such as for franchise fees or the Public Purposes Charge.

Cascade Natural Gas Corporation
2023 PGA
PGA Summary Sheet
Attachment E

		Location in Company Filing (cite)
1) Change in Annual Revenues		
(Per OAR 860-022-0017(3)(a))		
A) Dollars (To .1 million)	\$2,394,825	B-2 Detail by Adjustment Schd
B) Percent (To .1 percent)	2.48%	1 A) /Utility Gross Revenues (2022)
2) Annual Revenues Calculation (Whole Dollars)		
A) PGA Cost Change (Commodity & Transportation)	(\$11,325,117)	B-2 Detail by Adjustment Schd
B) Remove Last Year's Temporary Increment Total	(\$12,852,842)	Summary Rate-Rev Impact
C) Add New Temporary Increment	\$28,212,083	Summary Rate-Rev Impact
D) Other Additions or Subtractions (Break out & List each below -- Attach additional sheet if necessary)		
E) Total Proposed Change due to PGA change only	\$4,034,123	Total of items A, B, C, & D
3) Residential Bill Effects Summary (incl. Non-Gas Cost Impacts)		
A) Residential Schedule 2 Rate Impacts		
1) Current Billing Rate per Therm	\$1.11753	D - Proposed Rate & Bill
2) Proposed Billing Rate per Therm	\$1.13962	D - Proposed Rate & Bill
3) Rate Change Per Therm	\$0.02209	D - Proposed Rate & Bill
4) Percent Change per Therm (to .1%)	2.0%	Item 3 divided by Item 1
B) Average Residential Bill Impact (forecasted weather-normalized annual)		
1) Average Residential Monthly Therm Use	65	Total Proposed Avg Bill , Line 1, Col. (f)
2) Monthly Charge	\$6.81	Total Proposed Avg Bill , Line 1, Col. (g)
3) Current Average Monthly Bill	\$79.45	Total Proposed Avg Bill , Line 1, Col. (i)
4) Proposed Average Monthly Bill	\$80.89	Total Proposed Avg Bill , Line 1, Col. (k)
5) Change in Average Monthly Bill	\$1.44	Total Proposed Avg Bill , Line 1, Col. (l)
6) Percent change in Average Monthly Bill (to .1%)	1.81%	Total Proposed Avg Bill , Line 1, Col. (m)
C) Average January Residential Bill Impact		
1) Average January Residential Use (forecasted weather-normalized)	110	D - Proposed Rate & Bill
2) Monthly Charge	\$6.81	D - Proposed Rate & Bill
3) Current Average January Bill	\$129.74	D - Proposed Rate & Bill
4) Proposed Average January Bill	\$132.17	D - Proposed Rate & Bill
5) Change in Average January Bill	\$2.43	Item 4 minus Item 3
6) Percent change in Average January Bill (to .1%)	1.87%	Item 5 divided by Item 3
4) Breakdown of Costs		
A) Embedded in Rates		
1) Total Commodity Cost	\$ 39,498,244	Total of items a through f listed below
a) Total Demand Cost (assoc. w/ supply)	\$ -	
b) Total Peaking Cost (assoc. w/ supply)	\$ -	
c) Total Reservation Cost (assoc. w/ supply)	\$ -	UG 442 Confidential Supplemental CNGC Gas Cost WP 9.15.22
d) Total Volumetric Cost (assoc. w/ supply)	\$ 37,717,938	UG 442 Confidential Supplemental CNGC Gas Cost WP 9.15.22
e) Total Storage Cost (assoc. w/ supply)	\$ 1,780,306	UG 442 Confidential Supplemental CNGC Gas Cost WP 9.15.22
f) Other (A&G Benchmark Savings)	\$ -	
2) Total Transportation Cost (Pipeline related)	\$ 12,222,974	Total of items a & b below
a) Total Upstream Canadian Toll	\$ 3,827,856	Total of items i. & ii. Below
i. Total Demand, Capacity, or Reservation Cost	\$ 3,827,856	UG 442 Confidential Supplemental CNGC Gas Cost WP 9.15.22
ii. Total Volumetric Cost	\$ -	
b) Total Domestic Cost	\$ 8,395,118	Total of items i. & ii. Below
i. Total Demand, Capacity, or Reservation Cost	\$ 8,395,118	UG 442 Confidential Supplemental CNGC Gas Cost WP 9.15.22
ii. Total Volumetric Cost	\$ -	UG 442 Confidential Supplemental CNGC Gas Cost WP 9.15.22
3) Total Storage Costs	\$ 1,014,193	UG 442 Confidential Supplemental CNGC Gas Cost WP 9.15.22
4) Capacity Release Credits	\$ (1,054,905)	UG 442 Confidential Supplemental CNGC Gas Cost WP 9.15.22
5) Total Gas Costs	\$ 51,680,506	UG 442 Confidential Supplemental CNGC Gas Cost WP 9.15.22
B) Projected For New Rates		
1) Total Commodity Cost	\$ 25,675,769	Totals of items a through g listed below
a) Total Demand Cost (assoc. w/ supply)	\$ -	
b) Total Peaking Cost (assoc. w/ supply)	\$ -	
c) Total Reservation Cost (assoc. w/ supply)	\$ -	UG 463 Confidential Supplemental CNGC Gas Cost WP 7.28.23, Summary-OR Gas Cost Track
d) Total Volumetric Cost (assoc. w/supply)	\$ 24,337,372	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Summary-OR Gas Cost Track
e) Total Storage Cost (assoc. w/supply)	\$ 1,338,397	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Summary-OR Gas Cost Track
f) Other (A&G Benchmark Savings)	\$ -	
2) Total Transportation Cost (Pipeline related)	\$ 16,037,779	Total of items a & b below
a) Total Upstream Canadian Toll	\$ 5,095,658	Total of items i. & ii. Below
i. Total Demand, Capacity, or Reservation Cost	\$ 5,095,658	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Summary-OR Gas Cost Track
ii. Total Volumetric Cost	\$ -	
b) Total Domestic Cost	\$ 10,942,121	Total of items i. & ii. Below
i. Total Demand, Capacity, or Reservation Cost	\$ 10,942,121	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Summary-OR Gas Cost Track
ii. Total Volumetric Cost	\$ -	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Summary-OR Gas Cost Track
3) Total Storage Costs	\$ 983,245	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Summary-OR Gas Cost Track
4) Capacity Release Credits	\$ (1,237,934)	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Summary-OR Gas Cost Track
5) Total Gas Costs	\$ 41,458,859	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Summary-OR Gas Cost Track

Cascade Natural Gas Corporation
2023 PGA
PGA Summary Sheet
Attachment E

		Location in Company Filing (cite)
5) WACOG (Weighted Average Cost of Gas)		
A) Embedded in Rates		
1) WACOG (Commodity Only)		
a. With revenue sensitive	\$ 0.44324	Current rate on Tariff Sheet No. 177.2
b. Without revenue sensitive	\$ 0.42985	Current rate on Tariff Sheet No. 177.2
2) WACOG (Non-Commodity)		
a. With revenue sensitive	\$ 0.13671	Current rate on Tariff Sheet No. 177.2
b. Without revenue sensitive	\$ 0.13258	Current rate on Tariff Sheet No. 177.2
B) Proposed for New Rates		
1) WACOG (Commodity Only)		
a. With revenue sensitive	\$ 0.28392	Summary Rate-Rev Impact, line 1, col (d)
b. Without revenue sensitive	\$ 0.27546	Summary Rate-Rev Impact, line 1, col (c)
2) WACOG (Non-Commodity)		
a. With revenue sensitive	\$ 0.17453	Summary Rate-Rev Impact, line 5, col (d)
b. Without revenue sensitive	\$ 0.16933	Summary Rate-Rev Impact, line 5, col (c)
6) Therms Sold	93,210,838	Summary Rate-Rev Impact, line 15

7) Purchasing/ Hedging Strategies Prepare 1-2 page summary of gas cost situation to include resources, purchasing strategy, hedging, and pipeline issues. Within the summary include:		
A) Resources embedded in current rates and an explanation of proposed resources.		
1) Firm Pipeline Capacity		
a) Year-round supply contracts	49,410,000	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Supply Summary-Price and Types tab
b) Winter-only contracts	153,157,307	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Supply Summary-Price and Types tab
c) Reliance on Spot Gas/Other Short Term Contracts	118,070,651	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Supply Summary-Price and Types tab
d) Other - e.g. Supply area storage		
2) Market Area Storage		
a) Underground-owned		
b) Underground- contracted	28,755,930	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Supply Summary-Price and Types tab
c) LNG-owned	-	
d) LNG-contracted	6,622,000	UG 463 Confidential CNGC Gas Cost WP 7.28.23, Supply Summary-Price and Types tab
3) Other Resources		
a) Recalable Supply		
b) City gate Deliveries		
c) Owned-Production		
d) Propane/Air	-	