

September 14, 2023

NWN OPUC Advice No. 23-22

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
Attn: Filing Center
201 High Street SE, Suite 100
P.O. Box 1088
Salem, OR 97308-1088

Re: REQUEST FOR UPDATED AMORTIZATION RATES OF CERTAIN NON-GAS COST DEFERRED ACCOUNTS RELATING TO: Horizon 1 Start-Up Costs, Environmental Cost Recovery, and Pension Balancing Account

Northwest Natural Gas Company, dba NW Natural (NW Natural or Company), files herewith the following revisions to its Tariff P.U.C. Or. 25, stated to become effective on November 1, 2023.

Original Sheet 175-1	Schedule 175	Amortization of Horizon 1 Start-Up Cost Deferral
Second Revision of Sheet 182-1	Schedule 182	Rate Adjustment for Environmental Cost Recovery
Second Revision of Sheet 197-2	Schedule 197	Amortization of Pension Balancing Account

Purpose

The purpose of this filing is to update the rates in Schedule 175 Amortization of Horizon 1 Start-up Cost Deferral, Schedule 182 Rate Adjustment for Environmental Cost Recovery and Schedule 197 Amortization of Pension Balancing Account to reflect updated billing determinants. A related update to the tariff index is also included.

Background

Schedules 175, 182 and 197 are rate adjustment schedules that reflect base rate adjustments and have been in place since 2022, 2015 and 2019, respectively. In NW Natural's last general rate case in docket UG 435, the Commission approved a multi-party stipulation, that included, among other things, the updating of the billing determinants for Schedule 182 and Schedule 197.¹ NW Natural provided the updated rates for Schedules 182 and 197 reflecting the updated determinants with its UG 435 compliance filing in October 2022. Consistent with the UG 435 multi-party stipulation, NW Natural proposes the enclosed Schedules 182 and 197 to reflect updated billing determinants reflecting the Purchased Gas Adjustment (PGA) load.

The base rate adjustments for the commencement of the 10-year amortization of the Horizon 1 Start-up Cost Deferral was also reflected in NW Natural's UG 435 compliance filing by including the corresponding base rate adjustment for each of the primary rate Schedules 2, 3, 27, 31, 32 and 33, as shown in Order No. 22-388 on page 20 of Appendix A. At the time of the compliance filing, a separate rate adjustment schedule summarizing these base rate adjustments was not provided.

¹ *In the Matter of Northwest Natural Gas Company, dba NW Natural, Request for a General Rate Revision, Docket UG 435, Order No. 22-388, Appendix A at 10 (Oct. 24, 2022).*

NW Natural proposes the enclosed new Schedule 175 to provide the summary of these base rate adjustments and to facilitate a transparent update of the billing determinants for these rates.

Proposed Changes

The monthly bill of the average residential customer served under Rate Schedule 2 using 56 therms per month will decrease by \$0.05, or 0.1%.

The monthly decrease for the average Rate Schedule 3 commercial customer using 255 therms is \$0.11, or 0.0%, the monthly decrease for the average Rate Schedule 27 customer using 44 therms is \$0.01, or 0.0% and the monthly decrease for the average commercial Rate Schedule 31 firm sales customer using 2,816 therms is about \$1.76, or 0.1%. The average industrial Rate Schedule 32 firm sales customer using 18,823 therms will see a monthly decrease of about \$28.00, or 0.2%. Work papers supporting the rate and bill impact calculations will be separately submitted in electronic format.

The number of customers affected by the proposed change is 636,785 residential customers, and 62,829 commercial and industrial customers.

In compliance with OAR 860-022-0025 and OAR 860-022-0030, NW Natural states that the effect of the proposed updates to Schedules 175, 182 and 197 will have no impact on the Company's annual Oregon revenues.

Conclusion

NW Natural respectfully request the Commission approve this tariff change to become effective November 1, 2023.

In accordance with ORS 757.205, copies of this letter and the filing made herewith are available in the Company's main office in Portland, Oregon and on its website at www.nwnatural.com.

Please address correspondence on this matter to Lora Bourdo at lora.bourdo@nwnatural.com with copies to the following:

eFiling
NW Natural Rates & Regulatory Affairs
250 SW Taylor Street
Portland, OR 97204
Phone: (503) 610-7330
eFiling@nwnatural.com

Respectfully submitted,

/s/ Kyle Walker, CPA

Kyle Walker, CPA
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**SCHEDULE 175
AMORTIZATION OF HORIZON 1 START-UP COST DEFERRAL**

PURPOSE:

The purpose of this Schedule is to reflect the rate effects of the amortization of Horizon 1 Start-Up cost deferral (deferral docket UM 2132) over 10 years beginning November 1, 2022, subject to the terms of the stipulation approved in Order No. 21-246 with a rate spread as shown in Exhibit B of the Multi-Party Stipulation approved in Order No. 22-388 in dockets UG 435 and UG 411. These rates are included as Base Rate Adjustments in the rate schedules listed below and were first included in rates November 1, 2022, as filed with the Company's compliance filing in UG 435.

APPLICABLE:

To all Customers served under the following Rate Schedules of this Tariff:

Rate Schedule 2	Rate Schedule 3	Rate Schedule 27
Rate Schedule 32	Rate Schedule 33	Rate Schedule 31

APPLICATION TO RATE SCHEDULES: Effective: November 1, 2023

The adjustment amounts shown below are embedded in the Base Rate reflected in the respective Rate Schedules listed above. NO ADDITIONAL ADJUSTMENT TO RATES IS REQUIRED.

Rate Schedule/Class	Block	Adjustment		Rate Schedule/Class	Block	Adjustment
2		\$0.00165		31 CSF	Block 1	\$0.00071
03 CSF		\$0.00134			Block 2	\$0.00065
03 ISF		\$0.00074		31 CTF	Block 1	\$0.00067
27		\$0.00159			Block 2	\$0.00062
				31 ISF	Block 1	\$0.00049
					Block 2	\$0.00045
				31 ITF	Block 1	\$0.00054
					Block 2	\$0.00049
32 CSF	Block 1	\$0.00050		32 CSI	Block 1	\$0.00026
	Block 2	\$0.00043			Block 2	\$0.00022
	Block 3	\$0.00030			Block 3	\$0.00015
	Block 4	\$0.00017			Block 4	\$0.00009
	Block 5	\$0.00008			Block 5	\$0.00005
	Block 6	\$0.00003			Block 6	\$0.00002
32 ISF	Block 1	\$0.00007		32 ISI	Block 1	\$0.00008
	Block 2	\$0.00006			Block 2	\$0.00007
	Block 3	\$0.00004			Block 3	\$0.00005
	Block 4	\$0.00002			Block 4	\$0.00003
	Block 5	\$0.00001			Block 5	\$0.00001
	Block 6	\$0.00000			Block 6	\$0.00001
32 CTF	Block 1	\$0.00009		32 CTI	Block 1	\$0.00006
	Block 2	\$0.00008			Block 2	\$0.00005
	Block 3	\$0.00005			Block 3	\$0.00004
	Block 4	\$0.00003			Block 4	\$0.00002
	Block 5	\$0.00002			Block 5	\$0.00001
	Block 6	\$0.00001			Block 6	\$0.00001
32 ITF	Block 1	\$0.00006		32 ITI	Block 1	\$0.00006
	Block 2	\$0.00005			Block 2	\$0.00005
	Block 3	\$0.00004			Block 3	\$0.00004
	Block 4	\$0.00002			Block 4	\$0.00002
	Block 5	\$0.00001			Block 5	\$0.00001
	Block 6	\$0.00001			Block 6	\$0.00001
				33		\$0.00000

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NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Second Revision of Sheet 182-1
Cancels First Revision of Sheet 182-1

SCHEDULE 182 RATE ADJUSTMENT FOR ENVIRONMENTAL COST RECOVERY

PURPOSE:

The purpose of this Schedule is to reflect the rate effects of the collection of \$5.0 million per year for the recovery of costs related to environmental remediation expenses, in accordance with Order No. 15-049 in Docket UM 1635 and UM 1706 entered by the Public Utility Commission of Oregon on February 20, 2015.

APPLICABLE:

To all Customers served under the following Rate Schedules of this Tariff:

Rate Schedule 2	Rate Schedule 3	Rate Schedule 27
Rate Schedule 32	Rate Schedule 33	Rate Schedule 31

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APPLICATION TO RATE SCHEDULES: Effective: November 1, 2023

The Adjustment amounts shown below are calculated based on equal percent of margin by Rate Schedule and Customer class, and the rate allocation adopted in Docket UG 221. The adjustment amount is embedded in the Base Rate reflected in the respective Rate Schedules listed above. NO ADDITIONAL ADJUSTMENT TO RATES IS REQUIRED.

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Rate Schedule/Class	Block	Base Rate Adjustment		Schedule	Block	Base Rate Adjustment
2		\$0.00834		31 CSF	Block 1	\$0.00429
03 CSF		\$0.00620			Block 2	\$0.00391
03 ISF		\$0.00455		31 ISF	Block 1	\$0.00431
27		\$0.00683			Block 2	\$0.00394
				31 CTF	Block 1	\$0.00296
					Block 2	\$0.00267
				31 ITF	Block 1	\$0.00338
					Block 2	\$0.00305
32 CSF	Block 1	\$0.00238		32 CSI	Block 1	\$0.00158
	Block 2	\$0.00201			Block 2	\$0.00134
	Block 3	\$0.00140			Block 3	\$0.00093
	Block 4	\$0.00079			Block 4	\$0.00053
	Block 5	\$0.00036			Block 5	\$0.00029
	Block 6	\$0.00015			Block 6	\$0.00011
32 ISF	Block 1	\$0.00129		32 ISI	Block 1	\$0.00154
	Block 2	\$0.00109			Block 2	\$0.00131
	Block 3	\$0.00076			Block 3	\$0.00091
	Block 4	\$0.00043			Block 4	\$0.00052
	Block 5	\$0.00020			Block 5	\$0.00028
	Block 6	\$0.00009			Block 6	\$0.00011
32 CTF	Block 1	\$0.00190		32 CTI	Block 1	\$0.00128
	Block 2	\$0.00162			Block 2	\$0.00109
	Block 3	\$0.00115			Block 3	\$0.00077
	Block 4	\$0.00067			Block 4	\$0.00045
	Block 5	\$0.00039			Block 5	\$0.00026
	Block 6	\$0.00020			Block 6	\$0.00014
32 ITF	Block 1	\$0.00132		32 ITI	Block 1	\$0.00138
	Block 2	\$0.00112			Block 2	\$0.00117
	Block 3	\$0.00079			Block 3	\$0.00083
	Block 4	\$0.00047			Block 4	\$0.00049
	Block 5	\$0.00027			Block 5	\$0.00028
	Block 6	\$0.00014			Block 6	\$0.00015
				33 (all)		\$0.00007

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Issued September 14, 2023
NWN OPUC Advice No. 23-22

Effective with service on
and after November 1, 2023

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Second Revision of Sheet 197-2
 Cancels First Revision of Sheet 197-2

**SCHEDULE 197
 AMORTIZATION OF PENSION BALANCING ACCOUNT
 (continued)**

RATE ADJUSTMENTS (continued):

The volumetric adjustment applicable to each Rate Schedule is shown in the table below:

Rate Schedule	Block	Adjustment		Rate Schedule	Block	Adjustment
2		\$0.01190		31 CSF	Block 1	\$0.00612
03 CSF		\$0.00885			Block 2	\$0.00558
03 ISF		\$0.00648		31 ISF	Block 1	\$0.00422
27		\$0.00974			Block 2	\$0.00380
				31 CTF	Block 1	\$0.00614
					Block 2	\$0.00562
				31 ITF	Block 1	\$0.00482
					Block 2	\$0.00435
32 CSF	Block 1	\$0.00339		32 CSI	Block 1	\$0.00225
	Block 2	\$0.00287			Block 2	\$0.00191
	Block 3	\$0.00200			Block 3	\$0.00133
	Block 4	\$0.00113			Block 4	\$0.00075
	Block 5	\$0.00051			Block 5	\$0.00041
	Block 6	\$0.00021			Block 6	\$0.00015
32 ISF	Block 1	\$0.00184		32 ISI	Block 1	\$0.00220
	Block 2	\$0.00155			Block 2	\$0.00186
	Block 3	\$0.00108			Block 3	\$0.00130
	Block 4	\$0.00062			Block 4	\$0.00074
	Block 5	\$0.00029			Block 5	\$0.00040
	Block 6	\$0.00012			Block 6	\$0.00015
32 CTF	Block 1	\$0.00271		32 CTI	Block 1	\$0.00183
	Block 2	\$0.00231			Block 2	\$0.00156
	Block 3	\$0.00164			Block 3	\$0.00110
	Block 4	\$0.00096			Block 4	\$0.00065
	Block 5	\$0.00056			Block 5	\$0.00038
	Block 6	\$0.00029			Block 6	\$0.00019
32 ITF	Block 1	\$0.00188		32 ITI	Block 1	\$0.00196
	Block 2	\$0.00160			Block 2	\$0.00167
	Block 3	\$0.00113			Block 3	\$0.00118
	Block 4	\$0.00067			Block 4	\$0.00070
	Block 5	\$0.00039			Block 5	\$0.00040
	Block 6	\$0.00020			Block 6	\$0.00021
				33 (all)		\$0.00010

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Issued September 14, 2023
 NWN OPUC Advice No. 23-22

Effective with service on
 and after November 1, 2023

EXHIBIT A

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

NW NATURAL SUPPORTING MATERIALS

Non-Gas Cost Deferral Amortizations Relating to:
Horizon 1 Start-Up Costs, Environmental Cost Recovery, and
Pension Balancing Account

NWN OPUC Advice No. 23-22

September 14, 2023

NW NATURAL

EXHIBIT A

Supporting Materials

Non-Gas Cost Deferral Amortizations Relating to:
Horizon 1 Start-Up Costs, Environmental Cost Recovery, and Pension
Balancing Account

NWN OPUC ADVICE NO. 23-22

Description	Page
Calculation of Increments Allocated on the Equal Percentage of Margin Basis	1
Effects on Average Bill by Rate Schedule	2
Basis for Revenue Related Costs	3
PGA Effects on Revenue	4

NW Natural
 Rates & Regulatory Affairs
 2022-23 PGA - Oregon: September Filing
 Calculation of Increments Allocated on the EQUAL PERCENTAGE OF MARGIN BASIS
 ALL VOLUMES IN THERMS

2023-24 PGA	Billing	WACOG &	Temps from							Proposed Amount:
Volumes page,	Total	Gas Costs	Temporary							Revenue Sensitive Multiplier:
	Billing Rates	Column B+C+D*	Rates	MARGIN	Volumetric	Customer	Total			Amount to Amortize:
				Rate	Margin	Charge	Margin			
				E=B-C-D	F	G	H	I		
				F * E * A						
2R	425,261,320	\$1,43686	\$0.59247	\$0.16051	\$0.68388	\$290,827,712	\$8.00	636,785	\$351,959,072	
3C Firm Sales	180,723,276	\$1,18666	\$0.59247	\$0.03780	\$0.55639	\$100,552,623	\$15.00	\$9,172	\$111,203,583	
3I Firm Sales	5,242,606	\$1,13570	\$0.59247	\$0.10373	\$0.43950	\$2,304,125	\$15.00	335	\$2,364,425	
27 Dry Out	790,225	\$1,16589	\$0.59247	\$0.07702	\$0.49640	\$392,268	\$8.00	1,489	\$535,212	
31C Firm Sales	10,541,198	\$0,50576	\$0.50676	\$0.04002	\$0.30449	\$6,414,403	\$325.00	653	\$8,961,103	
31C Firm Trans	1,150,855	\$0,28505	\$0.00000	\$0.01229	\$0.27276	\$718,332	\$575.00	59	\$1,125,432	
31I Firm Sales	3,851,855	\$0,84102	\$0.50676	\$0.10141	\$0.23285	\$2,752,651	\$325.00	183	\$3,466,351	
31I Firm Trans	8,832,261	\$0,81786	\$0.50676	\$0.10099	\$0.21011					
31I Firm Trans	153,988	\$0,24605	\$0.00000	\$0.01106	\$0.23499	\$113,434	\$575.00	7	\$161,734	
32C Firm Sales	363,573	\$0,22309	\$0.00000	\$0.01062	\$0.21247					
32C Firm Sales	31,802,850	\$0,76861	\$0.50676	\$0.10105	\$0.16080	\$6,849,615	\$675.00	543	\$10,045,984	
32C Firm Sales	10,782,597	\$0,74322	\$0.50676	\$0.10042	\$0.13604					
32C Firm Sales	2,237,041	\$0,70109	\$0.50676	\$0.09940	\$0.09493					
32C Firm Sales	1,038,828	\$0,65879	\$0.50676	\$0.09836	\$0.05367					
32C Firm Sales	30,626	\$0,62840	\$0.50676	\$0.09761	\$0.02403					
32C Firm Sales	0	\$0,61401	\$0.50676	\$0.09727	\$0.00998					
32I Firm Sales	7,308,477	\$0,73013	\$0.50676	\$0.09833	\$0.12504	\$1,921,317	\$675.00	83	\$1,962,082	
32I Firm Sales	7,116,901	\$0,71078	\$0.50676	\$0.09815	\$0.10587					
32I Firm Sales	2,428,784	\$0,67847	\$0.50676	\$0.09787	\$0.07384					
32I Firm Sales	1,682,852	\$0,64624	\$0.50676	\$0.09757	\$0.04191					
32I Firm Sales	210,463	\$0,62372	\$0.50676	\$0.09734	\$0.01962					
32I Firm Sales	0	\$0,61239	\$0.50676	\$0.09723	\$0.00840					
32C Firm Trans	2,586,658	\$0,13291	\$0.00000	\$0.00742	\$0.12549	\$633,055	\$925.00	26	\$952,026	
32C Firm Trans	2,000,143	\$0,11396	\$0.00000	\$0.00721	\$0.10675					
32C Firm Trans	713,689	\$0,08251	\$0.00000	\$0.00688	\$0.07563					
32C Firm Trans	908,192	\$0,05102	\$0.00000	\$0.00656	\$0.04446					
32C Firm Trans	22,758	\$0,03209	\$0.00000	\$0.00636	\$0.02573					
32C Firm Trans	0	\$0,01952	\$0.00000	\$0.00620	\$0.01332					
32I Firm Trans	11,491,095	\$0,13069	\$0.00000	\$0.00738	\$0.12331	\$5,621,582	\$925.00	99	\$5,960,962	
32I Firm Trans	16,722,073	\$0,11214	\$0.00000	\$0.00721	\$0.10493					
32I Firm Trans	10,683,887	\$0,08125	\$0.00000	\$0.00694	\$0.07431					
32I Firm Trans	22,101,234	\$0,05039	\$0.00000	\$0.00667	\$0.04372					
32I Firm Trans	23,116,595	\$0,03179	\$0.00000	\$0.00649	\$0.02530					
32I Firm Trans	7,997,925	\$0,01948	\$0.00000	\$0.00636	\$0.01312					
32C Interr Sales	4,812,286	\$0,74068	\$0.50676	\$0.09728	\$0.13664	\$2,138,838	\$675.00	39	\$2,454,738	
32C Interr Sales	6,912,175	\$0,71933	\$0.50676	\$0.09690	\$0.11567					
32C Interr Sales	3,915,818	\$0,68371	\$0.50676	\$0.09628	\$0.08067					
32C Interr Sales	6,195,667	\$0,64806	\$0.50676	\$0.09565	\$0.04565					
32C Interr Sales	3,369,903	\$0,62665	\$0.50676	\$0.09525	\$0.02464					
32C Interr Sales	0	\$0,61101	\$0.50676	\$0.09497	\$0.00928					
32I Interr Sales	4,976,544	\$0,72514	\$0.50676	\$0.09609	\$0.12229	\$2,165,663	\$675.00	67	\$2,708,363	
32I Interr Sales	6,358,575	\$0,70622	\$0.50676	\$0.09592	\$0.10354					
32I Interr Sales	3,824,879	\$0,67469	\$0.50676	\$0.09566	\$0.07227					
32I Interr Sales	11,455,866	\$0,64312	\$0.50676	\$0.09538	\$0.04098					
32I Interr Sales	6,274,793	\$0,62420	\$0.50676	\$0.09523	\$0.02221					
32I Interr Sales	1,589,833	\$0,61033	\$0.50676	\$0.09510	\$0.00847					
32C Interr Trans	787,487	\$0,12584	\$0.00000	\$0.00706	\$0.11878	\$470,528	\$925.00	3	\$503,828	
32C Interr Trans	1,577,765	\$0,10802	\$0.00000	\$0.00693	\$0.10109					
32C Interr Trans	946,128	\$0,07829	\$0.00000	\$0.00668	\$0.07161					
32C Interr Trans	3,171,260	\$0,04854	\$0.00000	\$0.00643	\$0.04211					
32C Interr Trans	663,407	\$0,03070	\$0.00000	\$0.00628	\$0.02442					
32C Interr Trans	0	\$0,01883	\$0.00000	\$0.00617	\$0.01266					
32I Interr Trans	6,332,023	\$0,12605	\$0.00000	\$0.00722	\$0.11883	\$5,297,225	\$925.00	71	\$6,085,325	
32I Interr Trans	10,799,708	\$0,10821	\$0.00000	\$0.00708	\$0.10113					
32I Interr Trans	7,423,918	\$0,07848	\$0.00000	\$0.00684	\$0.07164					
32I Interr Trans	17,235,563	\$0,04873	\$0.00000	\$0.00661	\$0.04212					
32I Interr Trans	38,975,154	\$0,03090	\$0.00000	\$0.00646	\$0.02444					
32I Interr Trans	98,124,177	\$0,01900	\$0.00000	\$0.00634	\$0.01266					
33	0	\$0,00585	\$0.00000	\$0.00011	\$0.00574	\$0	\$38,000.00	0	\$0	
Special Contracts	51,198,641	\$0,00000	\$0.00000	\$0.00000	\$0.00000	\$0	\$0.00	7	\$0	

Sch 197 PBA			Updated Billing Determinates			Sch 182 Environmental Rider			Sch 175 Horizon		
7,131,059	PBA already in rates		5,000,000	Environ already in rates		975,987	Horizon already in rates		2,819% add revenue sensitive factor		2,819% add revenue sensitive factor
7,337,915	to all customers exclude sc		5,145,039	to all customers exclude sc		1,004,298	to all customers exclude sc				
M	Allocation to RS	Increment	P	Allocation to RS	Increment	Q	Allocation to RS	Increment	R	Allocation to RS	Increment
1.0	\$5,059,545	\$0.01190	1.0	\$3,547,541	\$0.00834	1.0	\$699,780	\$0.00165			
1.0	\$1,598,594	\$0.00885	1.0	\$1,120,867	\$0.00620	1.0	\$242,284	\$0.00134			
1.0	\$33,990	\$0.00648	1.0	\$23,832	\$0.00455	1.0	\$3,868	\$0.00074			
1.0	\$7,694	\$0.00974	1.0	\$5,395	\$0.00683	1.0	\$1,254	\$0.00159			
1.0	\$128,819	\$0.00612	1.0	\$90,323	\$0.00429	1.0	\$14,921	\$0.00071			
1.0	\$0.00558	\$0.00000	1.0	\$0.00391	\$0.00000	1.0	\$0.00000	\$0.00000			
1.0	\$16,179	\$0.00614	1.0	\$11,344	\$0.00431	1.0	\$1,772	\$0.00067			
1.0	\$0.00562	\$0.00000	1.0	\$0.00394	\$0.00000	1.0	\$0.00000	\$0.00000			
1.0	\$49,830	\$0.00422	1.0	\$34,939	\$0.00296	1.0	\$5,846	\$0.00049			
1.0	\$0.00380	\$0.00000	1.0	\$0.00267	\$0.00000	1.0	\$0.00000	\$0.00000			
1.0	\$2,325	\$0.00482	1.0	\$1,630	\$0.00338	1.0	\$260	\$0.00054			
1.0	\$0.00435	\$0.00000	1.0	\$0.00305	\$0.00000	1.0	\$0.00000	\$0.00000			
1.0	\$144,415	\$0.00339	1.0	\$101,258	\$0.00238	1.0	\$21,460	\$0.00050			
1.0	\$0.00287	\$0.00000	1.0	\$0.00201	\$0.00000	1.0	\$0.00043	\$0.00000			
1.0	\$0.00200	\$0.00000	1.0	\$0.00140	\$0.00000	1.0	\$0.00030	\$0.00000			
1.0	\$0.00113	\$0.00000	1.0	\$0.00079	\$0.00000	1.0	\$0.00017	\$0.00000			
1.0	\$0.00051	\$0.00000	1.0	\$0.00036	\$0.00000	1.0	\$0.00008	\$0.00000			
1.0	\$0.00021	\$0.00000	1.0	\$0.00015	\$0.00000	1.0	\$0.00003	\$0.00000			
1.0	\$28,206	\$0.00184	1.0	\$19,777	\$0.00129	1.0	\$1,087	\$0.00007			
1.0	\$0.00155	\$0.00000	1.0	\$0.00109	\$0.00000	1.0	\$0.00006	\$0.00000			
1.0	\$0.00108	\$0.00000	1.0	\$0.00076	\$0.00000	1.0	\$0.00004	\$0.00000			
1.0	\$0.00062	\$0.00000	1.0	\$0.00043	\$0.00000	1.0	\$0.00002	\$0.00000			
1.0	\$0.00029	\$0.00000	1.0	\$0.00020	\$0.00000	1.0	\$0.00001	\$0.00000			
1.0	\$0.00012	\$0.00000	1.0	\$0.00009	\$0.00000	1.0	\$0.00000	\$0.00000			
1.0	\$13,686	\$0.00271	1.0	\$9,596	\$0.00190	1.0	\$453	\$0.00009			
1.0	\$0.00231	\$0.00000	1.0	\$0.00162	\$0.00000	1.0	\$0.00008	\$0.00000			
1.0	\$0.00164	\$0.00000	1.0	\$0.00115	\$0.00000	1.0	\$0.00005	\$0.00000			
1.0	\$0.00096	\$0.00000	1.0	\$0.00067	\$0.00000	1.0	\$0.00003	\$0.00000			
1.0	\$0.00056	\$0.00000	1.0	\$0.00039	\$0.00000	1.0	\$0.00002	\$0.00000			
1.0	\$0.00029	\$0.00000	1.0	\$0.00020	\$0.00000	1.0	\$0.00001	\$0.00000			
1.0	\$85,691	\$0.00188	1.0	\$60,083	\$0.00132	1.0	\$2,908	\$0.00006			
1.0	\$0.00160	\$0.00000	1.0	\$0.00112	\$0.00000	1.0	\$0.00005	\$0.00000			
1.0	\$0.00113	\$0.00000	1.0	\$0.00079	\$0.00000	1.0	\$0.00004	\$0.00000			
1.0	\$0.00067	\$0.									

NW Natural
 Rates & Regulatory Affairs
 2023-24 PGA - Oregon: September Filing
 Effects on Average Bill by Rate Schedule [1]
 ALL VOLUMES IN THERMS

Schedule	Block	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	AQ	AR	AP
2R		425,261,320	N/A	56	\$8.00	\$1.43686	\$88.46	\$1.43633	\$88.43	0.0%	\$1.43648	\$88.44	0.0%	\$1.43678	\$88.46	0.0%	\$1.43587	\$88.41	-0.1%
3C Firm Sales		180,723,276	N/A	255	\$15.00	\$1.18666	\$317.60	\$1.18646	\$317.55	0.0%	\$1.18652	\$317.56	0.0%	\$1.18657	\$317.58	0.0%	\$1.18623	\$317.49	0.0%
3I Firm Sales		5,242,606	N/A	1,304	\$15.00	\$1.13570	\$1,495.95	\$1.13529	\$1,495.42	0.0%	\$1.13542	\$1,495.59	0.0%	\$1.13568	\$1,495.93	0.0%	\$1.13499	\$1,495.03	-0.1%
27 Dry Out		790,225	N/A	44	\$8.00	\$1.16589	\$59.30	\$1.16576	\$59.29	0.0%	\$1.16580	\$59.30	0.0%	\$1.16590	\$59.30	0.0%	\$1.16568	\$59.29	0.0%
31C Firm Sales	Block 1	10,541,198	2,000	2,816	\$325.00	\$0.85127	\$2,700.12	\$0.85090	\$2,699.11	0.0%	\$0.85101	\$2,699.41	0.0%	\$0.85126	\$2,700.10	0.0%	\$0.85063	\$2,698.36	-0.1%
	Block 2	11,528,162	all additional			\$0.82424		\$0.82390			\$0.82400			\$0.82423			\$0.82365		
31C Firm Trans	Block 1	1,150,855	2,000	3,916	\$575.00	\$0.28505	\$1,645.54	\$0.28448	\$1,643.42	-0.1%	\$0.28466	\$1,644.07	-0.1%	\$0.28500	\$1,645.38	0.0%	\$0.28404	\$1,641.79	-0.2%
	Block 2	1,621,395	all additional			\$0.26119		\$0.26068			\$0.26083			\$0.26116			\$0.26029		
31I Firm Sales	Block 1	3,851,855	2,000	5,776	\$325.00	\$0.84102	\$5,095.29	\$0.84068	\$5,093.44	0.0%	\$0.84079	\$5,094.04	0.0%	\$0.84100	\$5,095.21	0.0%	\$0.84043	\$5,092.11	-0.1%
	Block 2	8,832,261	all additional			\$0.81786		\$0.81755			\$0.81765			\$0.81785			\$0.81733		
31I Firm Trans	Block 1	153,988	2,000	6,161	\$575.00	\$0.24605	\$1,995.36	\$0.24569	\$1,993.27	-0.1%	\$0.24580	\$1,993.90	-0.1%	\$0.24604	\$1,995.30	0.0%	\$0.24543	\$1,991.75	-0.2%
	Block 2	363,573	all additional			\$0.22309		\$0.22276			\$0.22286			\$0.22308			\$0.22252		
32C Firm Sales	Block 1	31,802,850	10,000	7,043	\$675.00	\$0.76861	\$6,088.29	\$0.76802	\$6,084.13	-0.1%	\$0.76820	\$6,085.40	0.0%	\$0.76861	\$6,088.29	0.0%	\$0.76761	\$6,081.24	-0.1%
	Block 2	10,782,597	20,000			\$0.74322		\$0.74273			\$0.74288			\$0.74323			\$0.74240		
	Block 3	2,237,041	20,000			\$0.70109		\$0.70076			\$0.70086			\$0.70110			\$0.70054		
	Block 4	1,038,828	100,000			\$0.65879		\$0.65867			\$0.65867			\$0.65880			\$0.65852		
	Block 5	30,626	600,000			\$0.62840		\$0.62837			\$0.62837			\$0.62841			\$0.62834		
	Block 6	0	all additional			\$0.61401		\$0.61402			\$0.61402			\$0.61401			\$0.61403		
32I Firm Sales	Block 1	7,308,477	10,000	18,823	\$675.00	\$0.73013	\$14,247.56	\$0.72920	\$14,231.29	-0.1%	\$0.72948	\$14,236.21	-0.1%	\$0.73011	\$14,247.19	0.0%	\$0.72853	\$14,219.56	-0.2%
	Block 2	7,116,901	20,000			\$0.71078		\$0.70999			\$0.71023			\$0.71076			\$0.70942		
	Block 3	2,428,784	20,000			\$0.67847		\$0.67793			\$0.67810			\$0.67846			\$0.67755		
	Block 4	1,682,852	100,000			\$0.64624		\$0.64596			\$0.64604			\$0.64623			\$0.64575		
	Block 5	210,463	600,000			\$0.62372		\$0.62364			\$0.62364			\$0.62372			\$0.62353		
	Block 6	0	all additional			\$0.61239		\$0.61236			\$0.61238			\$0.61239			\$0.61235		
32C Firm Trans	Block 1	2,586,658	10,000	19,973	\$925.00	\$0.13291	\$3,390.69	\$0.13249	\$3,383.00	-0.2%	\$0.13262	\$3,385.40	-0.2%	\$0.13291	\$3,390.79	0.0%	\$0.13220	\$3,377.81	-0.4%
	Block 2	2,000,143	20,000			\$0.11396		\$0.11361			\$0.11372			\$0.11397			\$0.11338		
	Block 3	713,689	20,000			\$0.08251		\$0.08227			\$0.08235			\$0.08251			\$0.08211		
	Block 4	908,192	100,000			\$0.05102		\$0.05089			\$0.05092			\$0.05102			\$0.05079		
	Block 5	22,758	600,000			\$0.03209		\$0.03203			\$0.03204			\$0.03209			\$0.03198		
	Block 6	0	all additional			\$0.01952		\$0.01950			\$0.01950			\$0.01952			\$0.01948		
32I Firm Trans	Block 1	11,491,095	10,000	77,536	\$925.00	\$0.13069	\$7,487.37	\$0.12998	\$7,453.26	-0.5%	\$0.13020	\$7,463.39	-0.3%	\$0.13068	\$7,486.79	0.0%	\$0.12948	\$7,428.70	-0.8%
	Block 2	16,722,073	20,000			\$0.11214		\$0.11154			\$0.11172			\$0.11213			\$0.11111		
	Block 3	10,683,887	20,000			\$0.08125		\$0.08083			\$0.08095			\$0.08125			\$0.08053		
	Block 4	22,101,234	100,000			\$0.05039		\$0.05015			\$0.05022			\$0.05038			\$0.04997		
	Block 5	23,116,595	600,000			\$0.03179		\$0.03166			\$0.03170			\$0.03179			\$0.03157		
	Block 6	7,997,925	all additional			\$0.01948		\$0.01942			\$0.01944			\$0.01948			\$0.01938		
32C Interr Sales	Block 1	4,812,286	10,000	53,859	\$675.00	\$0.74068	\$38,643.34	\$0.74054	\$38,638.26	0.0%	\$0.74059	\$38,640.00	0.0%	\$0.74065	\$38,642.04	0.0%	\$0.74042	\$38,633.62	0.0%
	Block 2	6,912,175	20,000			\$0.71933		\$0.71922			\$0.71926			\$0.71930			\$0.71912		
	Block 3	3,915,818	20,000			\$0.68371		\$0.68364			\$0.68366			\$0.68369			\$0.68357		
	Block 4	6,195,667	100,000			\$0.64806		\$0.64804			\$0.64805			\$0.64806			\$0.64803		
	Block 5	3,369,903	600,000			\$0.62665		\$0.62666			\$0.62666			\$0.62665			\$0.62667		
	Block 6	0	all additional			\$0.61101		\$0.61103			\$0.61103			\$0.61101			\$0.61105		
32I Interr Sales	Block 1	4,976,544	10,000	42,886	\$675.00	\$0.72514	\$30,744.73	\$0.72487	\$30,735.83	0.0%	\$0.72495	\$30,738.54	0.0%	\$0.72515	\$30,745.16	0.0%	\$0.72469	\$30,730.07	0.0%
	Block 2	6,358,575	20,000			\$0.70622		\$0.70600			\$0.70607			\$0.70623			\$0.70586		
	Block 3	3,824,879	20,000			\$0.67469		\$0.67455			\$0.67459			\$0.67470			\$0.67446		
	Block 4	11,455,866	100,000			\$0.64312		\$0.64306			\$0.64308			\$0.64313			\$0.64303		
	Block 5	6,274,793	600,000			\$0.62420		\$0.62418			\$0.62419			\$0.62420			\$0.62417		
	Block 6	1,589,833	all additional			\$0.61033		\$0.61035			\$0.61035			\$0.61034			\$0.61038		
32C Interr Trans	Block 1	787,487	10,000	198,501	\$925.00	\$0.12584	\$12,252.01	\$0.12542	\$12,218.42	-0.3%	\$0.12554	\$12,227.50	-0.2%	\$0.12584	\$12,252.01	0.0%	\$0.12512	\$12,193.91	-0.5%
	Block 2	1,577,765	20,000			\$0.10802		\$0.10767			\$0.10777			\$0.10802			\$0.10742		
	Block 3	946,128	20,000			\$0.07829		\$0.07804			\$0.07811			\$0.07829			\$0.07786		
	Block 4	3,171,260	100,000			\$0.04854		\$0.04840			\$0.04844			\$0.04854			\$0.04830		
	Block 5	663,407	600,000			\$0.03070		\$0.03063			\$0.03064			\$0.03070			\$0.03057		
	Block 6	0	all additional			\$0.01883		\$0.01879			\$0.01881			\$0.01883			\$0.01877		
32I Interr Trans	Block 1	6,332,023	10,000	209,965	\$925.00	\$0.12605	\$12,645.11	\$0.12572	\$12,619.01	-0.2%	\$0.12583	\$12,627.11	-0.1%	\$0.12605	\$12,645.11	0.0%	\$0.12550	\$12,601.01	-0.3%
	Block 2	10,799,708	20,000			\$0.10821		\$0.10794			\$0.10802			\$0.10821			\$0.10775		
	Block 3	7,423,918	20,000			\$0.07848		\$0.07829			\$0.07835			\$0.07848			\$0.07816		
	Block 4	17,235,563	100,000			\$0.04873		\$0.04863			\$0.04866			\$0.04873			\$0.04856		
	Block 5	38,975,154	600,000			\$0.03090		\$0.03084			\$0.03086			\$0.03090			\$0.03080		
	Block 6	98,124,177	all additional			\$0.01900		\$0.01898			\$0.01899			\$0.01900			\$0.01897		
33		0	N/A	0	\$38,000.00	\$0.00629	\$38,000.00	\$0.00627	\$38,000.00		\$0.00627	\$38,000.00		\$0.00629	\$38,000.00		\$0.00625	\$38,000.00	
Special Contracts		51,198,641	N/A	0	\$0	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.00000	\$0.00000		\$0.00000					

NW Natural
Rates and Regulatory Affairs
2023-2024 PGA Filing - OREGON
Basis for Revenue Related Costs

	Twelve Months <u>Ended 06/30/23</u>	
1		
2		
3	Total Billed Gas Sales Revenues	\$ 977,383,649
4	Total Oregon Revenues	\$ 981,971,599
5		
6	Regulatory Commission Fees [1]	n/a 0.430% Statutory rate
7	City License and Franchise Fees	\$ 22,573,887 2.299% Line 7 ÷ Line 4
8	Net Uncollectible Expense [2]	<u>\$ 881,388</u> <u>0.090%</u> Line 8 ÷ Line 4
9		
10	Total	<u><u>2.819%</u></u> Sum lines 8-9
11		
12		

13 **Note:**

- 14 [1] Dollar figure is set at statutory level of 0.275% times Total Oregon Revenues (line 4).
 15 Because the fee changed since our last general rate case, the difference between the previous fee of 0.375%
 16 and the new fee of 0.430%, as it affects our base rates, is being captured as a temporary deferral.
 17 [2] Represents the normalized net write-offs based on a three-year average.

NW Natural
Rates & Regulatory Affairs
2023-2024 PGA Filing - Oregon: September Filing
PGA Effects on Revenue
Advice 23-22 Billing Determinates

	Including Revenue Sensitive Amount
1	
2 <u>Temporary Increments</u>	
3	
4 <u>Removal of Current Temporary Increments</u>	
5 Billing Determinates	<u>(13,487,252)</u>
6	
7 <u>Addition of Proposed Temporary Increments</u>	
8 Billing Determinates	<u>13,487,252</u>
9	
10	
11 TOTAL OF ALL COMPONENTS OF RATE CHANGES	<u><u>\$0</u></u>
12	
13 2022 Oregon Earnings Test Normalized Total Revenues	\$849,278,042
14	
15 Effect of this filing, as a percentage change (line 11 ÷ line 13)	0.00%