



250 SW Taylor Street
Portland, OR 97204

503-226-4211
nwnatural.com

October 31, 2022

NWN OPUC Advice No. 22-18A

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
Attn: Filing Center
201 High Street SE, Suite 100
Post Office Box 1088
Salem, Oregon 97308-1088

Re: UG 435; Order No. 22-388: Amended Compliance Filing with Combined Effects of Annual PGA:

UG 446: NWN OPUC Advice No. 22-04A
UG 447: NWN OPUC Advice No. 22-05A
UG 448: NWN OPUC Advice No. 22-06A
UG 449: NWN OPUC Advice No. 22-07A
UG 450: NWN OPUC Advice No. 22-08A
UG 451: NWN OPUC Advice No. 22-09A
UG 452: NWN OPUC Advice No. 22-10A
UG 453: NWN OPUC Advice No. 22-11A
UG 454: NWN OPUC Advice No. 22-12A
UG 455: NWN OPUC Advice No. 22-13A
UG 456: NWN OPUC Advice No. 22-14B
UG 457: NWN OPUC Advice No. 22-15A
UG 458: NWN OPUC Advice No. 22-16A

Northwest Natural Gas Company, dba NW Natural (NW Natural or Company), files herewith the following amended revisions to its Tariff P.U.C. Or. 25¹, stated to become effective with service on and after **November 1, 2022**:

Schedule Title	Proposed Sheet
Rate Schedule 2 - Residential Sales Service	Thirteenth Revision of Sheet 2-1
Rate Schedule 3 - Basic Firm Sales Service – Non-Residential	Thirteenth Revision of Sheet 3-4
Rate Schedule 27 - Residential Heating Dry-Out Service	Eleventh Revision of Sheet 27-1
Rate Schedule 31 - Non-Residential Firm Sales and Firm Transportation Service	Thirteenth Revision of Sheet 31-11
Rate Schedule 31 - Non-Residential Firm Sales and Firm Transportation Service	Eleventh Revision of Sheet 31-12
Rate Schedule 32 - Large Volume Non-Residential Sales and Transportation Service	Eleventh Revision of Sheet 32-12

¹Tariff P.U.C. Or. 25 was filed pursuant to ORS 757.205 and OAR 860-022-0005 and originated November 1, 2012 with Docket UG 221; OPUC Order No. 12-408 as supplemented by Order No. 12-437.

Rate Schedule 32 - Large Volume Non-Residential Sales and Transportation Service	Thirteenth Revision of Sheet 32-13
Rate Schedule 32 - Large Volume Non-Residential Sales and Transportation Service	Eleventh Revision of Sheet 32-14
Schedule 167 - General Adjustments to Rates	Fourth Revision of Sheet 167-1
Schedule 190 - Partial Decoupling Mechanism	Eleventh Revision of Sheet 190-2
Schedule 195 - Weather Adjusted Rate Mechanism (WARM Program)	Seventh Revision of Sheet 195-4
Schedule 195 - Weather Adjusted Rate Mechanism (WARM Program)	Eleventh Revision of Sheet 195-5

The enclosed tariff sheets replace the same tariff sheets filed in this docket on October 26, 2022.

This filing is made in compliance with Order No. 22-388 in docket UG 435 issued October 24, 2022, and in accordance with OAR 860-022-0025.

Purpose

The purpose of this filing is to reflect the combined effects of general revisions to rates and rate schedules in compliance with Commission Order No. 22-388 in docket UG 435, and the effect of rate changes approved by the Public Utility Commission of Oregon (Commission) as part of the Company's annual Purchased Gas Adjustment (PGA) filings effective on November 1, 2022, listed by docket above. The Company filed Advice No. 22-18 on October 26, 2022, in compliance with Order No. 22-388. After further review of Advice No. 22-18 with Staff of the Public Utility Commission of Oregon and the Oregon Citizens' Utility Board, the Company is filing amended revisions to certain sheets of its Tariff P.U.C. Or. 25 that reflect the outcome of that review. The impact of this filing is a reduction of \$252,172 or 0.03%. Bill impacts and customer counts are provided in Exhibit C.

Conclusion

NW Natural respectfully requests that the attached amended tariff sheets that have been further revised in compliance with Order No. 22-388 be approved with an effective date of November 1, 2022.

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 me with copies to the following:

eFiling
Rates & Regulatory Affairs
NW Natural
250 SW Taylor Street
Portland, Oregon 97204
Telecopier: (503) 220-2579
Telephone: (503) 610-7330
eFiling@nwnatural.com

Sincerely,

/s/ Kyle Walker, CPA

Kyle Walker, CPA
Rates/Regulatory Manager

Attachments

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Thirteenth Revision of Sheet 2-1
Cancels Twelfth Revision of Sheet 2-1

RATE SCHEDULE 2 RESIDENTIAL SALES SERVICE

AVAILABLE:

To Residential Class Customers in all territory served by the Company under the Tariff of which this Rate Schedule is a part. Temporary Disconnection of Service is allowed subject to Special Provision 1 of this Rate Schedule. The installation of Distribution Facilities, when required before service can be provided to equipment served under this Rate Schedule, is subject to the provisions of **Schedule X**.

SERVICE DESCRIPTION:

Service under this Rate Schedule is Firm Sales Service to gas equipment used for Domestic purposes by qualifying Residential Class Customers.

Service to a Vehicle Fueling Appliance is subject to the conditions set forth in Special Provisions 3 through 6 of this Rate Schedule.

MONTHLY RATE: Effective: November 1, 2022

(C)

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **Schedule 100** for a list of applicable temporary adjustments. Rates are subject to changes for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in **Schedule 160**. The rates for service to a Vehicle Fueling Appliance shall be further adjusted as set forth in Special Provision 6 of this Rate Schedule.

Minimum Monthly Bill: Customer Charge plus charges under **Schedule C** or **Schedule 15** (if applicable)

	Base Rate	Base Adjustment	Pipeline Capacity	Commodity	Temporary Adjustment	Total Billing
Customer Charge:	\$8.00	---	---	---	---	\$8.00
Volumetric Charge (per therm):	\$0.68192	\$0.00196	\$0.08571	\$0.50676	(\$0.05774)	\$1.21861

(I)

(continue to Sheet 2-2)

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Thirteenth Revision of Sheet 3-4
Cancels Twelfth Revision of Sheet 3-4

RATE SCHEDULE 3 BASIC FIRM SALES SERVICE - NON-RESIDENTIAL (continued)

MONTHLY RATE: Effective: November 1, 2022

(C)

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **Schedule 100** for a list of applicable temporary adjustments. Rates are subject to changes for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in **Schedule 160**. The rates for service to CNG vehicle fueling equipment shall be further adjusted as set forth in Special Provision 7 of this Rate Schedule.

FIRM SALES SERVICE CHARGES: (03CSF and 03ISF)						Billing Rates [1]
Customer Charge (per month):						\$15.00
Volumetric Charges (per therm):	Base Rate	Base Adjustment	Pipeline Capacity	Commodity Component [2]	Temporary Adjustment	
Commercial	\$0.55443	\$0.00196	\$0.08571	\$0.50676	\$0.03780	\$1.18666
Industrial	\$0.43754	\$0.00196	\$0.08571	\$0.50676	\$0.10373	\$1.13570
Standby Charge (per therm of MHDV) [3]:						\$10.00

(I)

(I)

[1] **Schedule C** and **Schedule 15** Charges shall apply, if applicable.

[2] The Commodity Component shown is the Annual Sales WACOG. The actual Commodity Component billed could be different for certain customers as described in the special provisions of this Rate Schedule

[3] Applies to Standby Sales Service only.

Minimum Monthly Bill. The Minimum Monthly Bill shall be the Customer Charge plus any **Schedule C** and **Schedule 15** Charges.

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Eleventh Revision of Sheet 27-1
Cancels Tenth Revision of Sheet 27-1

RATE SCHEDULE 27 RESIDENTIAL HEATING DRY-OUT SERVICE

AVAILABLE:

To Residential home builders, developers, and contractors during the period that a Residential dwelling is under construction, in all territory served by the Company under the Tariff of which this Rate Schedule is a part.

SERVICE DESCRIPTION:

Service under this Rate Schedule is restricted to the use of gas in approved permanently-installed gas heating equipment in place during the period the dwelling is under construction. Upon occupancy of the dwelling, service under this Rate Schedule shall terminate automatically. In no event will service under this Rate Schedule continue for a period of time greater than twelve (12) months from the date the gas meter is set at the dwelling. Upon termination of service under this Rate Schedule, gas service shall transfer to **Schedule 2**.

MONTHLY RATE: Effective: November 1, 2022

(C)

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **Schedule 100** for a list of applicable temporary adjustments. Rates are subject to charges for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in **Schedule 160**.

	Base Rate	Base Adjustment	Pipeline Capacity Rate	Commodity Rate	Temporary Adjustment	Billing Rate
Customer Charge:	\$8.00	---	---	---	---	\$8.00
Volumetric Charge (per therm)						
All therms	\$0.49444	\$0.00196	\$0.08571	\$0.50676	\$0.07702	\$1.16589

(I)

Minimum Monthly Bill: Customer Charge, plus charges under **Schedule C** and **Schedule 15** (if applicable)

GENERAL TERMS:

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

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Thirteenth Revision of Sheet 31-11
Cancels Twelfth Revision of Sheet 31-11

RATE SCHEDULE 31 NON-RESIDENTIAL FIRM SALES AND FIRM TRANSPORTATION SERVICE (continued)

MONTHLY RATES FOR COMMERCIAL CUSTOMER CLASS:

Effective: November 1, 2022

(C)

The rates shown in this Rate Schedule may not always reflect actual billing rates. **See Schedule 100** for a list of applicable temporary adjustments. Rates are subject to changes for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in **Schedule 160**. The rates for service to CNG vehicle fueling equipment shall be further adjusted as set forth in Provision No. 2 of the "SPECIAL CONDITIONS FOR COMPRESSED NATURAL GAS ("CNG") SERVICE FOR VEHICULAR USE" of this Rate Schedule.

FIRM SALES SERVICE CHARGES (31 CSF) [1]:					Billing Rates
Customer Charge (per month):					\$325.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
Block 1: 1 st 2,000 therms	\$0.30253	\$0.00196	\$0.50676	\$0.04002	\$0.85127
Block 2: All additional therms	\$0.27603	\$0.00196	\$0.50676	\$0.03949	\$0.82424
Pipeline Capacity Charge Options (select one):					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					\$0.08571
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					\$1.27
FIRM TRANSPORTATION SERVICE CHARGES (31 CTF):					
Customer Charge (per month):					\$325.00
Transportation Charge (per month):					\$250.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Total Temporary Adjustments [4]	
Block 1: 1 st 2,000 therms	\$0.27194	\$0.00082		\$0.01229	\$0.28505
Block 2: All additional therms	\$0.24861	\$0.00082		\$0.01176	\$0.26119

(I)

(I)

(R)

(R)

(I)

(I)

[1] The Monthly Bill shall equal the sum of the Customer Charge, plus the Volumetric Charges, plus the Pipeline Capacity Charge selected by the Customer, plus any other charges that may apply from Schedule C or Schedule 15.

[2] The stated rate is the Company's Annual Sales WACOG. However, the Commodity Component to be billed will be dependent on Customer's Service Type Selection and may instead be Winter Sales WACOG or Monthly Incremental Cost of Gas.

[3] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Temporary Adjustments as set forth in Schedule 162 may not apply.

[4] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Sales Service Temporary Adjustments as set forth in Schedule 162 may also apply.

(continue to Sheet 31-12)

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Eleventh Revision of Sheet 31-12
Cancels Tenth Revision of Sheet 31-12

RATE SCHEDULE 31

NON-RESIDENTIAL FIRM SALES AND FIRM TRANSPORTATION SERVICE (continued)

MONTHLY RATES FOR INDUSTRIAL CUSTOMER CLASS:

Effective: November 1, 2022

(C)

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **SCHEDULE 100** for a list of applicable temporary adjustments. Rates are subject to changes for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in **SCHEDULE 160**.

FIRM SALES SERVICE CHARGES (31 ISF) [1]:					Billing Rates
Customer Charge (per month):					\$325.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
Block 1: 1 st 2,000 therms	\$0.23089	\$0.00196	\$0.50676	\$0.10141	\$0.84102
Block 2: All additional therms	\$0.20815	\$0.00196	\$0.50676	\$0.10099	\$0.81786
Pipeline Capacity Charge Options (select one):					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					\$0.08571
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					\$1.27
FIRM TRANSPORTATION SERVICE CHARGES (31 ITF):					
Customer Charge (per month):					\$325.00
Transportation Charge (per month):					\$250.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Total Temporary Adjustments [4]	
Block 1: 1 st 2,000 therms	\$0.23417	\$0.00082		\$0.01106	\$0.24605
Block 2: All additional therms	\$0.21165	\$0.00082		\$0.01062	\$0.22309

(I)

(I)

(R)

(R)

(I)

(I)

[1] The Monthly Bill shall equal the sum of the Customer Charge, plus the Volumetric Charges, plus the Pipeline Capacity Charge selected by the Customer, plus any other charges that may apply from **SCHEDULE C** and **SCHEDULE 15**.

[2] The stated rate is the Company's Annual Sales WACOG. However, the Commodity Component to be billed will be dependent on Customer's Service Type Selection and may instead be Winter Sales WACOG, or Monthly Incremental Cost of Gas.

[3] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Temporary Adjustments as set forth in **SCHEDULE 162** may not apply.

[4] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Sales Service Temporary Adjustments as set forth in **SCHEDULE 162** may also apply.

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Eleventh Revision of Sheet 32-12
Cancels Tenth Revision of Sheet 32-12

RATE SCHEDULE 32 LARGE VOLUME NON-RESIDENTIAL SALES AND TRANSPORTATION SERVICE (continued)

MONTHLY RATES:

Effective: November 1, 2022

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **SCHEDULE 100** for a list of applicable temporary adjustments. Rates are subject to changes for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in **SCHEDULE 160**.

(C)

FIRM SALES SERVICE CHARGES [1]:					Billing Rates
Customer Charge (per month, all service types):					\$675.00
	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
32 CSF Volumetric Charges (per therm):					
Block 1: 1st 10,000 therms	\$0.15884	\$0.00196	\$0.50676	\$0.10105	\$0.76861
Block 2: Next 20,000 therms	\$0.13408	\$0.00196	\$0.50676	\$0.10042	\$0.74322
Block 3: Next 20,000 therms	\$0.09297	\$0.00196	\$0.50676	\$0.09940	\$0.70109
Block 4: Next 100,000 therms	\$0.05171	\$0.00196	\$0.50676	\$0.09836	\$0.65879
Block 5: Next 600,000 therms	\$0.02207	\$0.00196	\$0.50676	\$0.09761	\$0.62840
Block 6: All additional therms	\$0.00802	\$0.00196	\$0.50676	\$0.09727	\$0.61401
32 ISF Volumetric Charges (per therm):					
Block 1: 1st 10,000 therms	\$0.12308	\$0.00196	\$0.50676	\$0.09833	\$0.73013
Block 2: Next 20,000 therms	\$0.10391	\$0.00196	\$0.50676	\$0.09815	\$0.71078
Block 3: Next 20,000 therms	\$0.07188	\$0.00196	\$0.50676	\$0.09787	\$0.67847
Block 4: Next 100,000 therms	\$0.03995	\$0.00196	\$0.50676	\$0.09757	\$0.64624
Block 5: Next 600,000 therms	\$0.01766	\$0.00196	\$0.50676	\$0.09734	\$0.62372
Block 6: All additional therms	\$0.00644	\$0.00196	\$0.50676	\$0.09723	\$0.61239
Firm Service Distribution Capacity Charge (per therm of MDDV per month):					\$0.15748
Firm Sales Service Storage Charge (per therm of MDDV per month):					\$0.20415
Pipeline Capacity Charge Options (select one):					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					\$0.08571
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV per month):					\$1.27

(I)

(I)

(R)

(R)

[1] The Monthly Bill shall equal the sum of the Customer Charge, plus the Volumetric Charges, plus the Pipeline Capacity Charge selected by the Customer, plus any other charges that may apply from Schedule C or Schedule 15.

[2] The stated rate is the Company's Annual Sales WACOG. However, the Commodity Component to be billed will be dependent on Customer's Service Type Selection and may instead be Winter Sales WACOG or Monthly Incremental Cost of Gas.

[3] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Temporary Adjustments as set forth in Schedule 162 may not apply.

(continue to Sheet 32-13)

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Thirteenth Revision of Sheet 32-13
 Cancels Twelfth Revision of Sheet 32-13

RATE SCHEDULE 32
LARGE VOLUME NON-RESIDENTIAL SALES AND TRANSPORTATION SERVICE
 (continued)

MONTHLY RATES (continued):

Effective: November 1, 2022

(C)

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **SCHEDULE 100** for a list of applicable temporary adjustments. Rates are subject to changes for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in **SCHEDULE 160**

INTERRUPTIBLE SALES SERVICE CHARGES [1][4]:					Billing Rates
Customer Charge (per month):					\$675.00
	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
32 CSI Volumetric Charges (per therm):					
Block 1: 1 st 10,000 therms	\$0.13468	\$0.00196	\$0.50676	\$0.09728	\$0.74068
Block 2: Next 20,000 therms	\$0.11371	\$0.00196	\$0.50676	\$0.09690	\$0.71933
Block 3: Next 20,000 therms	\$0.07871	\$0.00196	\$0.50676	\$0.09628	\$0.68371
Block 4: Next 100,000 therms	\$0.04369	\$0.00196	\$0.50676	\$0.09565	\$0.64806
Block 5: Next 600,000 therms	\$0.02268	\$0.00196	\$0.50676	\$0.09525	\$0.62665
Block 6: All additional therms	\$0.00732	\$0.00196	\$0.50676	\$0.09497	\$0.61101
Interruptible Pipeline Capacity Charge (per therm):					\$0.01020
32 ISI Volumetric Charges (per therm):					
Block 1: 1 st 10,000 therms	\$0.12033	\$0.00196	\$0.50676	\$0.09609	\$0.72514
Block 2: Next 20,000 therms	\$0.10158	\$0.00196	\$0.50676	\$0.09592	\$0.70622
Block 3: Next 20,000 therms	\$0.07031	\$0.00196	\$0.50676	\$0.09566	\$0.67469
Block 4: Next 100,000 therms	\$0.03902	\$0.00196	\$0.50676	\$0.09538	\$0.64312
Block 5: Next 600,000 therms	\$0.02025	\$0.00196	\$0.50676	\$0.09523	\$0.62420
Block 6: All additional therms	\$0.00651	\$0.00196	\$0.50676	\$0.09510	\$0.61033
Interruptible Pipeline Capacity Charge (per therm):					\$0.01020

(I)

(I)

(R)

(I)

(I)

(R)

[1] The Monthly Bill shall equal the sum of the Customer Charge, plus the Volumetric Charges, plus the Pipeline Capacity Charge selected by the Customer, plus any other charges that may apply from Schedule C or Schedule 15.

[2] The stated rate is the Company's Annual Sales WACOG. However, the Commodity Component to be billed will be dependent on Customer's Service Type Selection and may instead be Winter Sales WACOG or Monthly Incremental Cost of Gas.

[3] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Temporary Adjustments as set forth in Schedule 162 may not apply.

[4] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Sales Service Temporary Adjustments as set forth in Schedule 162 may also apply.

(continue to Sheet 32-14)

Issued October 31, 2022
 NWN OPUC Advice No. 22-18A

Effective with service on
 and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Eleventh Revision of Sheet 32-14
Cancels Tenth Revision of Sheet 32-14

RATE SCHEDULE 32 LARGE VOLUME NON-RESIDENTIAL SALES AND TRANSPORTATION SERVICE (continued)

MONTHLY RATES (continued):

Effective: November 1, 2022

(C)

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **SCHEDULE 100** for a list of applicable temporary adjustments. Rates are subject to changes for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in Schedule 160.

FIRM TRANSPORTATION SERVICE CHARGES (32 CTF or 32 ITF) [1]:				Billing Rates
Customer Charge (per month):				\$675.00
Transportation Charge (per month):				\$250.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Total Temporary Adjustments [2]	
Commercial				
Block 1: 1 st 10,000 therms	\$0.12467	\$0.00082	\$0.00742	\$0.13291
Block 2: Next 20,000 therms	\$0.10593	\$0.00082	\$0.00721	\$0.11396
Block 3: Next 20,000 therms	\$0.07481	\$0.00082	\$0.00688	\$0.08251
Block 4: Next 100,000 therms	\$0.04364	\$0.00082	\$0.00656	\$0.05102
Block 5: Next 600,000 therms	\$0.02491	\$0.00082	\$0.00636	\$0.03209
Block 6: All additional therms	\$0.01250	\$0.00082	\$0.00620	\$0.01952
Industrial				
Block 1: 1 st 10,000 therms	\$0.12249	\$0.00082	\$0.00738	\$0.13069
Block 2: Next 20,000 therms	\$0.10411	\$0.00082	\$0.00721	\$0.11214
Block 3: Next 20,000 therms	\$0.07349	\$0.00082	\$0.00694	\$0.08125
Block 4: Next 100,000 therms	\$0.04290	\$0.00082	\$0.00667	\$0.05039
Block 5: Next 600,000 therms	\$0.02448	\$0.00082	\$0.00649	\$0.03179
Block 6: All additional therms	\$0.01230	\$0.00082	\$0.00636	\$0.01948
Firm Service Distribution Capacity Charge (per therm of MDDV per month):				\$0.15748

(I)

(I)

INTERRUPTIBLE TRANSPORTATION SERVICE CHARGES (32 CTI or ITI) [3][4]:				
Customer Charge (per month):				\$675.00
Transportation Charge (per month):				\$250.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Total Temporary Adjustments [2]	
Commercial				
Block 1: 1 st 10,000 therms	\$0.11796	\$0.00082	\$0.00706	\$0.12584
Block 2: Next 20,000 therms	\$0.10027	\$0.00082	\$0.00693	\$0.10802
Block 3: Next 20,000 therms	\$0.07079	\$0.00082	\$0.00668	\$0.07829
Block 4: Next 100,000 therms	\$0.04129	\$0.00082	\$0.00643	\$0.04854
Block 5: Next 600,000 therms	\$0.02360	\$0.00082	\$0.00628	\$0.03070
Block 6: All additional therms	\$0.01184	\$0.00082	\$0.00617	\$0.01883
Industrial				
Block 1: 1 st 10,000 therms	\$0.11801	\$0.00082	\$0.00722	\$0.12605
Block 2: Next 20,000 therms	\$0.10031	\$0.00082	\$0.00708	\$0.10821
Block 3: Next 20,000 therms	\$0.07082	\$0.00082	\$0.00684	\$0.07848
Block 4: Next 100,000 therms	\$0.04130	\$0.00082	\$0.00661	\$0.04873
Block 5: Next 600,000 therms	\$0.02362	\$0.00082	\$0.00646	\$0.03090
Block 6: All additional therms	\$0.01184	\$0.00082	\$0.00634	\$0.01900

(I)

(I)

[1] For Firm Transportation Service, the Monthly Bill shall equal the sum of the Customer Charge, plus Transportation Charge, plus the Volumetric Charges, plus the Distribution Capacity Charge, plus any other charges that may apply from Schedule C or Schedule 15.

[2] Where applicable, the Account 191 Adjustments shall apply.

[3] For Interruptible Transportation Service, the Monthly Bill shall equal the sum of the Customer Charge, plus Transportation Charge, plus the Volumetric Charges, plus any other charges that may apply from Schedule C or Schedule 15.

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Fourth Revision of Sheet 167-1
Cancels Third Revision of Sheet 167-1

SCHEDULE 167 GENERAL ADJUSTMENTS TO RATES

PURPOSE:

To identify adjustments made to the billing rates stated in the Rate Schedules listed below to reflect the effects of general rate changes approved by the Commission under the authority of ORS 757.210

DESCRIPTION:

The general rate changes shown in this Schedule 167 reflect the outcome of a Commission investigation in docket UG 435 initiated following a Company request to change rates due to increases or decreases in the cost of general utility operations.

APPLICABLE:

To Customers taking service under the following Rate Schedules of this Tariff:

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

RATE ADJUSTMENTS: Effective: November 1, 2022

(C)

The Base Rates stated in the listed Rate Schedules were adjusted as follows:

Schedule	Adjustment Amount		Schedule	Adjustment Amount	
	Customer Charge	Volumetric Charge		Customer Charge	Volumetric Charge
02R	\$0.00	\$0.10393	03 CSF	\$0.00	\$0.08649
27	\$0.00	\$0.09598	03 ISF	\$0.00	\$0.04511

(I)(I)
(I)(I)

Schedule	Block	Amount	Schedule	Block	Amount	Schedule	Block	Amount		
31 CSF	Cust. Charge	\$0.00	32 CSF	Cust. Charge	\$0.00	32 CSI	Cust. Charge	\$0.00		
	Block 1	\$0.04264		Block 1	\$0.02959		Block 1	\$0.01725		
	Block 2	\$0.03890		Block 2	\$0.02497		Block 2	\$0.01457		
31CTF	Cust. Charge	\$0.00		Block 3	\$0.01732		Block 3	\$0.01009		
	Block 1	\$0.04246		Block 4	\$0.00963		Block 4	\$0.00559		
	Block 2	\$0.03881		Block 5	\$0.00411		Block 5	\$0.00290		
31ISF	Cust. Charge	\$0.00		Block 6	\$0.00150		Block 6	\$0.00094		
	Block 1	\$0.03047		32 ISF	Cust. Charge		\$0.00	32 ISI	Cust. Charge	\$0.00
	Block 2	\$0.02747			Block 1		\$0.00421		Block 1	\$0.00342
31 ITF	Cust. Charge	\$0.00		Block 2	\$0.00356		Block 2	\$0.00289		
	Block 1	\$0.03278		Block 3	\$0.00246		Block 3	\$0.00200		
	Block 2	\$0.02963		Block 4	\$0.00137		Block 4	\$0.00110		
				Block 5	\$0.00060		Block 5	\$0.00057		
				Block 6	\$0.00021		Block 6	\$0.00017		
			32 CTF	Cust. Charge	\$0.00	32 CTI	Cust. Charge	\$0.00		
				Block 1	\$0.00408		Block 1	\$0.00274		
				Block 2	\$0.00346		Block 2	\$0.00233		
				Block 3	\$0.00245		Block 3	\$0.00164		
				Block 4	\$0.00142		Block 4	\$0.00096		
				Block 5	\$0.00082		Block 5	\$0.00054		
				Block 6	\$0.00040		Block 6	\$0.00028		
			32 ITF	Cust. Charge	\$0.00	32 ITI	Cust. Charge	\$0.00		
				Block 1	\$0.00346		Block 1	\$0.00279		
				Block 2	\$0.00295		Block 2	\$0.00237		
				Block 3	\$0.0027		Block 3	\$0.00167		
				Block 4	\$0.00122		Block 4	\$0.00097		
				Block 5	\$0.00069		Block 5	\$0.00056		
				Block 6	\$0.00036		Block 6	\$0.00028		
						33	All	\$0.00000		

(I)(I)(I)
(I)
(I)
(I)
(I)(I)
(I)
(I)(R)(R)
(I)
(I)
(R)(R)
(R)(R)
(R)(R)
(R)(R)
(R)(R)
(R)(R)
(R)(R)

GENERAL TERMS:

Service under this Rate Schedule is governed by the terms of this Rate Schedule, the General Rules and Regulations 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.

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Eleventh Revision of Sheet 190-2
Cancels Tenth Revision of Sheet 190-2

SCHEDULE 190 PARTIAL DECOUPLING MECHANISM (continued)

PARTIAL DECOUPLING DEFERRAL ACCOUNT (continued):

2. The baseline use-per-customer is:

Residential:	633.0	(C)
Commercial (Schedule 3):	2,849.0	(C)
Commercial (Schedule 31):	33,542.5	(C)

3. Weather-normalized usage is calculated using the approach to weather normalization adopted in the Company's last general rate case, Docket UG 435. The weather data is taken from the stations identified in **Rule 24**. (C)

Step One. For the heating season months of December through March, usage is normalized by taking the difference between normal and actual heating degree days for each district using a base of 59 degrees for Residential and 58 degrees for Commercial. Usage for the heating season months of November, April and May will be normalized by the actual WARM effect attributable to the month that is included in customer bills for rate schedules 2 and commercial 3. For commercial schedule 31, no normalization will be done in November, April and May.

Step Two. This step derives the per-therm customer variance by multiplying the heating degree-day difference by the usage coefficient of .14942 for Residential variances, .61412 for Commercial (Schedule 3) variances, and 6.12342 for Commercial (Schedule 31) variances. (C)(C)
(C)

Step Three. The per-therm customer variance is multiplied by the appropriate customer count, by district, with the sum of the district results representing the normalized therm amount.

4. Baseline usage will be adjusted to reflect actual customers billed each month.
5. The per therm distribution margins to be used in the deferral calculation effective November 1, 2022 is \$0.68388 per therm for Residential customers and \$0.55639 per therm for Commercial (Schedule 3) customers and \$0.29264 per therm for Commercial (Schedule 31) customers. (C)(I)(I)
(I)
6. Coincident with the Company's annual Purchased Gas Cost and Technical Rate Adjustment filing, the Company shall apply an adjustment to Residential and Commercial rates to amortize over the following 12 months, the balance in the balancing account as of June 30.
7. This Schedule is an "automatic adjustment clause" as defined in ORS 757.210, and is subject to review by the Commission at least once every two (2) years.

GENERAL TERMS:

This Schedule is governed by the terms of this Schedule, the General Rules and Regulations 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.

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Seventh Revision of Sheet 195-4
Cancels Sixth Revision of Sheet 195-4

SCHEDULE 195 WEATHER ADJUSTED RATE MECHANISM (WARM Program) (continued)

WARM FORMULA: (continued)

- c. The applicable margins to be used in the calculation of the WARM Adjustment Factor effective November 1, 2022 are:

(T)(C)

Rate Schedule 2:	\$0.68388	Rate Schedule 3:	\$0.55639
------------------	-----------	------------------	-----------

(I)(I)

Weather data used in the calculation of HDD for each customer shall be from the same weather stations and weather zones that are used in the determination of thermal units as set forth in **Rule 24**.

WARM BILL EFFECTS:

The following table depicts the impact on Residential **Rate Schedule 2** and Commercial **Rate Schedule 3** customer bills, respectively, at specified variations in HDDs.

HDD Variance (+ or -)	RESIDENTIAL		COMMERCIAL	
	Equivalent therms	Total Monthly WARM adjustment (+ or -)	Equivalent therms	Total Monthly WARM adjustment (+ or -)
1	0.1494	\$0.10	0.6141	\$0.34
5	0.7471	\$0.51	3.0706	\$1.71
10	1.4942	\$1.02	6.1412	\$3.42
15	2.2413	\$1.53	9.2118	\$5.13
20	2.9884	\$2.04	12.2824	\$6.83
25	3.7355	\$2.55	15.353	\$8.54
30	4.4826	\$3.07	18.4236	\$10.25
35	5.2297	\$3.58	21.4942	\$11.96
40	5.9768	\$4.09	24.5648	\$13.67
45	6.7239	\$4.60	27.6354	\$15.38
50	7.471	\$5.11	30.706	\$17.08

(C)

(C)

To calculate variations beyond or in-between specified levels, multiply the desired HDD variance by the applicable statistical coefficient, and then multiply that sum by the applicable margin.

To obtain the cent per therm effect of the Warm Adjustment, divide the WARM Adjustment by the number of therms used during the billing month.

(continue to Sheet 195-5)

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Eleventh Revision of Sheet 195-5
Cancels Tenth Revision of Sheet 195-5

SCHEDULE 195 WEATHER ADJUSTED RATE MECHANISM (WARM Program) (continued)

WARM BILL EFFECTS (continued):

Example Bill Calculation:

Here is the how the WARM adjustment is calculated for a residential **Rate Schedule 2** customer where the billing rate is \$1.21861 cents per therm, the HDD variance is 50 HDDs colder than normal, and the monthly therm usage is 129 therms: (I)

HDD Differential:	Normal HDDs:	600 HDDs	
	Actual HDDs:	650 HDDs	
	HDD variance:	600 – 650 = -50 HDDs	
Equivalent Therms:	HDD variance:	-50 HDDs	
	Statistical coefficient:	0.14942	(C)
	Equivalent therms:	-50 x 0.14942 = -7.4710 therms	(C)
Total Warm Adjustment:	Equivalent therms:	-7.4710 therms	(C)
	Margin Rate:	\$0.68388	(I)
	Total WARM Adj.:	-7.4710 x \$0.68388 = (\$5.10927)	(R)
Total WARM Adjustment converted to cents per therm:	Total WARM Adj.	(\$5.10927)	(R)
	Monthly usage:	129 therms	
	Cent/therm Adj.:	(\$5.10927) / 129 = (\$0.03961)	(R)
Billing Rate per therm:	Current Rate/therm:	\$1.21861	(I)
	WARM cent/therm Adj.	(\$0.03961)	(R)
	WARM Billing Rate:	\$1.21861 + (\$0.03961) = \$1.17942	(I)
Total WARM Bill:	Customer Charge:	\$8.00	
	Usage Charge:	\$1.17942	(I)
	Total	(129 x \$1.17942) + \$8.00 = \$160.15	(I)

GENERAL TERMS:

This Schedule is governed by the terms of this Schedule, the General Rules and Regulations 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.

Issued October 31, 2022
NWN OPUC Advice No. 22-18A

Effective with service on
and after November 1, 2022

BEFORE THE
PUBLIC UTILITY COMMISSION OF OREGON

UG 435 / NWN OPUC Advice No. 22-18A

NW Natural

**COMPLIANCE FILING WITH COMBINED EFFECTS OF
ANNUAL PGA**

EXHIBITS A, B & C

October 31, 2022

COMPLIANCE FILING EXHIBITS

Table of Contents

Exhibit A – Revenue Requirement.....	1
Exhibit B – Rate Spread	2
Exhibit C – Combined Effects of General Rates	3

NW Natural
Oregon Jurisdictional Rate Case
Test Year Twelve Months Ended October 31, 2023
UG 435 - Final for Compliance Filing
(\$000)

Line No.	Test Year Filed Rate Case		Rounding to OPUC Model	Test Year Adjusted	Margin Change [a]	Results @ 9.4% ROE	Corporate Activity Tax [1]	Proposed Total	Total Revenue Requirement	
	Results	Adjustments								(a)
Operating Revenues										
1	Sale of Gas	\$722,015	\$0	\$5	\$722,020	\$59,033	\$781,053	\$344	\$781,397	59,377.103
2	Transportation	17,010	0	0	17,010		17,010	0	17,010	
3	Decoupling	0	0	0	0		0	0	0	
4	WARM	0	0	0	0		0	0	0	
5	Miscellaneous Revenues	3,400	0	0	3,400		3,400	0	3,400	
6	Total Operating Revenues	742,424	0	5	742,429	59,033	801,462	344	801,806	
Operating Revenue Deductions										
7	Gas Purchased	295,775	0	0	295,775		295,775	0	295,775	
8	Uncollectible Accrual for Gas Sales	712	0	0	712	57	770	0	770	
9	Other Operating & Maintenance Expenses	199,204	(11,769)	0	187,434		187,434	0	187,434	
10	Total Operating & Maintenance Expense	495,691	(11,769)	0	483,922	57	483,980	0	483,980	
11	Federal Income Tax	5,607	2,923	0	8,530	11,130	19,659	0	19,659	
12	State Excise	7,017	1,184	0	8,201	4,359	12,560	328	12,888	
13	Property Taxes	27,125	(59)	0	27,066		27,066	0	27,066	
14	Other Taxes	28,112	0	0	28,112	1,618	29,730	16	29,747	
15	Depreciation & Amortization	111,660	(3,212)	0	108,449		108,449	0	108,449	
16	Total Operating Revenue Deductions	675,212	(10,933)	0	664,279	17,164	681,444	344	681,788	
17	Net Operating Revenues	\$67,212	10,933	5	\$78,150	\$41,869	\$120,018	\$0	\$120,018	
Average Rate Base										
18	Utility Plant in Service	\$3,633,272	(\$66,696)	\$0	\$3,566,576		\$3,566,576	0	3,566,576	
19	Accumulated Depreciation	(1,502,582)	42,552	0	(1,460,030)		(1,460,030)	0	(1,460,030)	
20	Net Utility Plant	2,130,689	(24,143)	0	2,106,546	0	2,106,546	0	2,106,546	
21	Aid in Advance of Construction	(7,268)	0	0	(7,268)		(7,268)	0	(7,268)	
22	Customer Deposits	(292)	0	0	(292)		(292)	0	(292)	
23	Gas Inventory	38,198	0	0	38,198		38,198	0	38,198	
24	Leasehold Improvements	22,307	0	0	22,307		22,307	0	22,307	
25	Materials & Supplies	16,536	(1,140)	0	15,396		15,396	0	15,396	
26	EDIT Adjustments to Rate Base	3,000	0	0	3,000		3,000	0	3,000	
27	Accumulated Deferred Income Taxes	(422,208)	0	0	(422,208)		(422,208)	0	(422,208)	
28	Total Rate Base	\$1,780,963	(25,283)	0	\$1,755,679	0	\$1,755,679	\$0	\$1,755,679	
29	Rate of Return	3.774%			4.451%		6.836%		6.836%	
30	Return on Common Equity	3.28%			4.57%		9.40%		9.40%	

[a] Margin increase is calculated by multiplying Test Year Rate Base (line 28 column c) by the Rate of Return (line 29 column e) and comparing the result to Test Year Operating Revenues (line 17 column c). The difference is then grossed up for tax and shown in line 1 of column d. Associated taxes and uncollectibles are calculated based on the revenue increase and the tax rates and uncollectible average as used in this model.

NW Natural
Oregon Jurisdictional Rate Case - UG 435
Test Year Twelve Months Ended October 31, 2023
Rate Spread Summary - UG 435 Compliance Filing Exhibit B

Line No.	REFLECTS UG 435 FINAL ORDER 22-388	RATE SCHEDULE	CUSTOMER CLASS																		
			Residential Sales Firm	Commercial Sales Firm	Industrial Sales Firm	Commercial Sales Firm	Commercial Sales Firm	Commercial Transportation Firm	Industrial Sales Firm	Industrial Transportation Firm	Commercial Sales Firm	Industrial Sales Firm	Commercial Transportation Firm	Industrial Transportation Firm	Commercial Sales Firm	Industrial Sales Firm	Commercial Transportation Firm	Industrial Transportation Firm			
Oregon Total			\$ 740,645,087	\$ 468,913,370	\$ 162,351,317	\$ 4,226,612	\$ 796,163	\$ 17,117,489	\$ 981,292	\$ 8,236,625	\$ 143,836	\$ 30,465,691	\$ 8,156,582	\$ 1,024,698	\$ 6,584,741	\$ 10,222,297	\$ 14,833,805	\$ 525,889	\$ 6,064,679	\$ -	
1	Revenue at Current Rates (Less: Temporaries, incl. Misc Rev)		\$ 740,645,087	\$ 468,913,370	\$ 162,351,317	\$ 4,226,612	\$ 796,163	\$ 17,117,489	\$ 981,292	\$ 8,236,625	\$ 143,836	\$ 30,465,691	\$ 8,156,582	\$ 1,024,698	\$ 6,584,741	\$ 10,222,297	\$ 14,833,805	\$ 525,889	\$ 6,064,679	\$ -	
2	Margin Revenue at Current Rates (incl. Misc Rev)		\$ 444,869,752	\$ 302,743,546	\$ 92,803,627	\$ 2,141,772	\$ 471,508	\$ 8,261,800	\$ 981,292	\$ 3,237,130	\$ 143,836	\$ 11,882,484	\$ 2,462,192	\$ 1,024,698	\$ 6,584,741	\$ 2,232,839	\$ 3,307,718	\$ 525,889	\$ 6,064,679	\$ -	
3	Rate Schedule % of Current Margin		100.00%	68.05%	20.86%	0.48%	0.11%	1.86%	0.22%	0.73%	0.03%	2.67%	0.55%	0.23%	1.48%	0.50%	0.74%	0.12%	1.36%	0.00%	
3a	Current Volumetric Margin		\$ 346,185,441	\$ 234,277,725	\$ 79,383,711	\$ 1,995,690	\$ 315,549	\$ 5,394,036	\$ 568,146	\$ 2,280,450	\$ 94,649	\$ 5,560,206	\$ 1,433,641	\$ 625,522	\$ 4,668,547	\$ 1,627,780	\$ 2,331,127	\$ 456,049	\$ 5,172,613	\$ -	
Comments																					
4a	Incremental Revenue Requirement - First Multi-Party Stipulation		\$ 62,653,684	* Per UG 435 and UG 411 First Multi-Party Stipulation, authorized in Final Order 22-388, with Line 4e adjustments.																	
4b	Less: Rev Req for Gas Reserves Rate Base		\$ -																		
4c	Less: Rev Req for Plant EDIT Amortization		\$ (4,209,798)	* Grossed up for revenue sensitive items; to be spread to all schedules on the same basis as the proposed UG 435 rate spread, through the base rate; updated October 24, 2022.																	
4d	Revenue Requirement to Spread for Stipulation		\$ 66,863,482																		
4e	Plus: Post Multi-Party Stipulation Rev Req Adjustments		\$ (3,276,581)	* Includes attestation adjustments, and a government affairs adjustment of \$536,106 tied to the UG 435 Final Order 22-388, to be spread in the same manner as determined in the rate case settlement process (equal percent of margin).																	
4f	Revenue Requirement to Spread for Final Rate Increment		\$ 63,586,901	* The adjustments include an additional capital adjustment resulting in \$252,172 revenue requirement reduction adjustment.																	
4g	Net Increase to Rev Req - Per Final Order 22-388	[1]	\$ 59,377,103	* Per UG 435 Final Order 22-388.																	
4h	Net Increase to Margin Revenue (%) - First Multi-Party Stipulation		14.08%																		
4i	Net Increase to Margin Revenue (%) - Final Order 22-388		13.35%																		
Effective November 1, 2022																					
Incremental Revenue Requirement: (after application of Plant EDIT Amortization, Capital Project Attestation, and Final Order 22-388 Adjustments)																					
Rate Spread: UG 435 Revenue Requirement Increment			[2]	\$ 59,377,103	\$ 41,426,382	\$ 14,431,500	\$ 225,536	\$ 74,765	\$ 869,997	\$ 103,334	\$ 340,881	\$ 15,146	\$ 1,251,268	\$ 49,709	\$ 20,687	\$ 132,938	\$ 235,126	\$ 66,779	\$ 10,617	\$ 122,438	\$ -
5	UG 435 Total Revenue at Effective Date		\$ 800,022,190	\$ 510,339,753	\$ 176,782,817	\$ 4,452,148	\$ 870,928	\$ 17,987,486	\$ 1,084,626	\$ 8,577,507	\$ 158,982	\$ 31,716,959	\$ 8,206,290	\$ 1,045,385	\$ 6,717,678	\$ 10,457,423	\$ 14,900,584	\$ 536,506	\$ 6,187,118	\$ 0	
6	% Increase to Current Revenue		8.02%	8.83%	8.89%	5.34%	9.39%	5.08%	10.53%	4.14%	10.53%	4.11%	0.61%	2.02%	2.02%	0.45%	2.02%	2.30%	0.45%	2.02%	0.00%
7	UG 435 Total Margin Revenue at Effective Date		\$ 504,246,855	\$ 344,169,929	\$ 107,235,127	\$ 2,367,308	\$ 546,273	\$ 9,131,797	\$ 1,084,626	\$ 3,578,012	\$ 158,982	\$ 13,133,752	\$ 2,511,900	\$ 1,045,385	\$ 6,717,678	\$ 2,467,965	\$ 3,374,497	\$ 536,506	\$ 6,187,118	\$ 0	
8	% Increase to Current Margin		13.35%	13.68%	15.55%	10.53%	15.86%	10.53%	10.53%	10.53%	10.53%	10.53%	2.02%	2.02%	2.02%	10.53%	2.02%	2.02%	2.02%	2.02%	0.00%
Effective November 1, 2022																					
Total Incremental Revenue Requirement All Items: (Above items with TSA Security Directive 2 Deferral, Lexington RNG, COVID-19 Deferral and Horizon 1 O&M Deferral)																					
Total UG 435 Revenue Requirement Increment - All Rate Case Items			[2]	\$ 68,431,269	\$ 47,363,020	\$ 16,543,787	\$ 263,936	\$ 85,520	\$ 1,021,916	\$ 118,478	\$ 407,712	\$ 17,474	\$ 1,497,673	\$ 84,919	\$ 29,369	\$ 221,808	\$ 313,663	\$ 148,087	\$ 17,927	\$ 295,981	\$ -
9	UG 435 Total Revenue at Effective Date - All Rate Case Items		\$ 809,076,356	\$ 516,276,391	\$ 178,895,104	\$ 4,490,547	\$ 881,683	\$ 18,139,405	\$ 1,099,770	\$ 8,644,337	\$ 161,310	\$ 31,963,364	\$ 8,241,500	\$ 1,054,067	\$ 6,806,549	\$ 10,535,960	\$ 14,981,892	\$ 543,816	\$ 6,360,660	\$ 0	
10	% Increase to Current Revenue		9.24%	10.10%	10.19%	6.24%	10.74%	5.97%	12.07%	4.95%	12.15%	4.92%	1.04%	2.87%	3.37%	3.07%	1.00%	3.41%	4.88%	0.00%	
11	UG 435 Total Margin Revenue at Effective Date - All Items		\$ 506,926,050	\$ 345,664,130	\$ 107,808,733	\$ 2,381,144	\$ 549,069	\$ 9,189,080	\$ 1,088,531	\$ 3,607,740	\$ 159,657	\$ 13,244,179	\$ 2,540,229	\$ 1,051,176	\$ 6,788,142	\$ 2,520,968	\$ 3,446,527	\$ 542,356	\$ 6,344,388	\$ 0	
12	% Increase to Current Margin		13.95%	14.18%	16.17%	11.18%	16.45%	11.22%	10.93%	11.45%	11.00%	11.46%	3.17%	2.58%	3.09%	12.90%	4.20%	3.13%	4.61%	0.00%	

[1] Equals the sum of Lines 4a and 4e.
 [2] The proposed margin and revenue increment increases/decreases are based on volumetric billing rates rounded to the fifth decimal as necessitated by the Company's tariff. Therefore, there may be a small discrepancy with the indicated revenue requirement presented elsewhere.

NW Natural
Oregon Jurisdictional Rate Case
Test Year Twelve Months Ended October 31, 2023
Final UG 435 Base and Total Billing Rates by Rate Schedule and Block - Combined Effects
with Calculation of Effect on Customer Average Bill by Rate Schedule [1]
UG 435 Compliance Filing Exhibit C

Line No.	Schedule	Block	Block Volumes	Test Year Volumes	Test Year Customers	Current Monthly Base Charge	Current Tariff Rate		UG 435 Final Order 22-388 and 2022-23 PGA Combined Effects						UG 435+PGA			
							11/01/2021		Base Rate	Base Rate Adjustment	Pipeline Capacity Rate (Demand)	Commodity Rate (WACOG)	Temporary Adjustment	Final Tariff Rate Effective: 11/01/22	11/01/2021	11/01/2022	11/01/2022	11/01/2022
							Current Billing Rates	Current Average Bill ^[2]							Proposed Average Bill ^[2]	Change in Average Monthly Bill (\$)	Change in Average Monthly Bill (%)	
A	B	C	D	E	F	G	H	I	J	K	L	M=H+...+L	N	O	P	Q		
1	2R		N/A	405,331,797	643,080	\$ 8.00	\$ 1.04637	\$0.68192	\$0.00196	\$0.08571	\$0.50676	(\$0.05774)	\$1.21861	\$62.96	\$72.01	\$9.05	14.4%	
2	3C Firm Sales		N/A	169,645,064	59,720	\$ 15.00	\$ 0.95180	\$0.55443	\$0.00196	\$0.08571	\$0.50676	\$0.03780	\$1.18666	\$240.31	\$295.91	\$55.60	23.1%	
3	3I Firm Sales		N/A	5,085,467	339	\$ 15.00	\$ 0.88434	\$0.43754	\$0.00196	\$0.08571	\$0.50676	\$0.10373	\$1.13570	\$1,120.53	\$1,434.75	\$314.22	28.0%	
4	27 Dry Out		N/A	791,922	1,493	\$ 8.00	\$ 0.87077	\$0.49444	\$0.00196	\$0.08571	\$0.50676	\$0.07702	\$1.16589	\$46.49	\$59.53	\$13.04	28.0%	
5	31C Firm Sales	Block 1	2,000	11,937,946	644	\$ 325.00	\$ 0.62830	\$0.30253	\$0.00196	\$0.00000	\$0.50676	\$0.04002	\$0.85127					
6		Block 2	all additional	9,663,405			\$ 0.60555	\$0.27603	\$0.00196	\$0.00000	\$0.50676	\$0.03949	\$0.82424	\$2,063.01	\$2,682.82	\$619.81	30.0%	
7	31C Firm Transpt	Block 1	2,000	1,197,319	59	\$ 575.00	\$ 0.23009	\$0.27194	\$0.00082	\$0.00000	\$0.00000	\$0.01229	\$0.28505					
8		Block 2	all additional	1,398,405			\$ 0.21037	\$0.24861	\$0.00082	\$0.00000	\$0.00000	\$0.01176	\$0.26119	\$1,385.66	\$1,580.24	\$194.58	14.0%	
9	31I Firm Sales	Block 1	2,000	3,902,829	196	\$ 325.00	\$ 0.58665	\$0.23089	\$0.00196	\$0.00000	\$0.50676	\$0.10141	\$0.84102					
10		Block 2	all additional	8,292,255			\$ 0.56691	\$0.20815	\$0.00196	\$0.00000	\$0.50676	\$0.10099	\$0.81786	\$3,303.91	\$4,611.93	\$1,308.02	39.6%	
11	31I Firm Transpt	Block 1	2,000	135,565	7	\$ 575.00	\$ 0.20208	\$0.23417	\$0.00082	\$0.00000	\$0.00000	\$0.01106	\$0.24605					
12		Block 2	all additional	370,003			\$ 0.18270	\$0.21165	\$0.00082	\$0.00000	\$0.00000	\$0.01062	\$0.22309	\$1,713.43	\$1,963.68	\$250.25	14.6%	
13	32C Firm Sales	Block 1	10,000	34,405,848	541	\$ 675.00	\$ 0.51525	\$0.15884	\$0.00196	\$0.00000	\$0.50676	\$0.10105	\$0.76861					
14		Block 2	20,000	8,996,941			\$ 0.49513	\$0.13408	\$0.00196	\$0.00000	\$0.50676	\$0.10042	\$0.74322					
15		Block 3	20,000	1,505,090			\$ 0.46168	\$0.09297	\$0.00196	\$0.00000	\$0.50676	\$0.09940	\$0.70109					
16		Block 4	100,000	421,439			\$ 0.42812	\$0.05171	\$0.00196	\$0.00000	\$0.50676	\$0.09836	\$0.65879					
17		Block 5	600,000	-			\$ 0.40359	\$0.02207	\$0.00196	\$0.00000	\$0.50676	\$0.09761	\$0.62840					
18		Block 6	all additional	-			\$ 0.39217	\$0.00802	\$0.00196	\$0.00000	\$0.50676	\$0.09727	\$0.61401	\$4,272.48	\$6,041.40	\$1,768.92	41.4%	
19	32I Firm Sales	Block 1	10,000	6,124,832	62	\$ 675.00	\$ 0.50505	\$0.12308	\$0.00196	\$0.00000	\$0.50676	\$0.09833	\$0.73013					
20		Block 2	20,000	5,730,496			\$ 0.48654	\$0.10391	\$0.00196	\$0.00000	\$0.50676	\$0.09815	\$0.71078					
21		Block 3	20,000	1,686,931			\$ 0.45562	\$0.07188	\$0.00196	\$0.00000	\$0.50676	\$0.09787	\$0.67847					
22		Block 4	100,000	347,849			\$ 0.42480	\$0.03995	\$0.00196	\$0.00000	\$0.50676	\$0.09757	\$0.64624					
23		Block 5	600,000	-			\$ 0.40295	\$0.01766	\$0.00196	\$0.00000	\$0.50676	\$0.09734	\$0.62372					
24		Block 6	all additional	-			\$ 0.39213	\$0.00644	\$0.00196	\$0.00000	\$0.50676	\$0.09723	\$0.61239	\$9,943.80	\$14,138.81	\$4,195.01	42.2%	
25	32C Firm Transpt	Block 1	10,000	2,540,213	28	\$ 925.00	\$ 0.12085	\$0.12467	\$0.00082	\$0.00000	\$0.00000	\$0.00742	\$0.13291					
26		Block 2	20,000	2,049,162			\$ 0.10271	\$0.10593	\$0.00082	\$0.00000	\$0.00000	\$0.00721	\$0.11396					
27		Block 3	20,000	949,358			\$ 0.07256	\$0.07481	\$0.00082	\$0.00000	\$0.00000	\$0.00688	\$0.08251					
28		Block 4	100,000	949,827			\$ 0.04238	\$0.04364	\$0.00082	\$0.00000	\$0.00000	\$0.00656	\$0.05102					
29		Block 5	600,000	17,547			\$ 0.02424	\$0.02491	\$0.00082	\$0.00000	\$0.00000	\$0.00636	\$0.03209					
30		Block 6	all additional	-			\$ 0.01211	\$0.01250	\$0.00082	\$0.00000	\$0.00000	\$0.00620	\$0.01952	\$3,095.17	\$3,321.17	\$226.00	7.3%	
31	32I Firm Transpt	Block 1	10,000	9,361,047	104	\$ 925.00	\$ 0.11947	\$0.12249	\$0.00082	\$0.00000	\$0.00000	\$0.00738	\$0.13069					
32		Block 2	20,000	13,921,392			\$ 0.10158	\$0.10411	\$0.00082	\$0.00000	\$0.00000	\$0.00721	\$0.11214					
33		Block 3	20,000	9,497,411			\$ 0.07180	\$0.07349	\$0.00082	\$0.00000	\$0.00000	\$0.00694	\$0.08125					
34		Block 4	100,000	21,833,039			\$ 0.04204	\$0.04290	\$0.00082	\$0.00000	\$0.00000	\$0.00667	\$0.05039					
35		Block 5	600,000	19,320,860			\$ 0.02413	\$0.02448	\$0.00082	\$0.00000	\$0.00000	\$0.00649	\$0.03179					
36		Block 6	all additional	8,213,069			\$ 0.01227	\$0.01230	\$0.00082	\$0.00000	\$0.00000	\$0.00636	\$0.01948	\$6,252.50	\$6,897.11	\$644.61	10.3%	
37	32C Interr Sales	Block 1	10,000	4,230,356	39	\$ 675.00	\$ 0.49959	\$0.13468	\$0.00196	\$0.00000	\$0.50676	\$0.09728	\$0.74068					
38		Block 2	20,000	5,471,563			\$ 0.48127	\$0.11371	\$0.00196	\$0.00000	\$0.50676	\$0.09690	\$0.71933					
39		Block 3	20,000	3,207,435			\$ 0.45072	\$0.07871	\$0.00196	\$0.00000	\$0.50676	\$0.09628	\$0.68371					
40		Block 4	100,000	7,046,824			\$ 0.42017	\$0.04369	\$0.00196	\$0.00000	\$0.50676	\$0.09565	\$0.64806					
41		Block 5	600,000	5,054,642			\$ 0.40182	\$0.02268	\$0.00196	\$0.00000	\$0.50676	\$0.09525	\$0.62665					
42		Block 6	all additional	-			\$ 0.38818	\$0.00732	\$0.00196	\$0.00000	\$0.50676	\$0.09497	\$0.61101	\$25,756.93	\$38,373.10	\$12,616.17	49.0%	
43	32I Interr Sales	Block 1	10,000	5,956,730	69	\$ 675.00	\$ 0.49934	\$0.12033	\$0.00196	\$0.00000	\$0.50676	\$0.09609	\$0.72514					
44		Block 2	20,000	8,077,570			\$ 0.48110	\$0.10158	\$0.00196	\$0.00000	\$0.50676	\$0.09592	\$0.70622					
45		Block 3	20,000	4,456,220			\$ 0.45068	\$0.07031	\$0.00196	\$0.00000	\$0.50676	\$0.09566	\$0.67469					
46		Block 4	100,000	10,249,052			\$ 0.42027	\$0.03902	\$0.00196	\$0.00000	\$0.50676	\$0.09538	\$0.64312					
47		Block 5	600,000	7,342,584			\$ 0.40201	\$0.02025	\$0.00196	\$0.00000	\$0.50676	\$0.09523	\$0.62420					
48		Block 6	all additional	-			\$ 0.38839	\$0.00651	\$0.00196	\$0.00000	\$0.50676	\$0.09510	\$0.61033	\$21,409.28	\$31,210.94	\$9,801.66	45.8%	
49	32C Interr Transpt	Block 1	10,000	995,681	6	\$ 925.00	\$ 0.11540	\$0.11796	\$0.00082	\$0.00000	\$0.00000	\$0.00706	\$0.12584					
50		Block 2	20,000	1,519,237			\$ 0.09810	\$0.10027	\$0.00082	\$0.00000	\$0.00000	\$0.00693	\$0.10802					
51		Block 3	20,000	877,075			\$ 0.06928	\$0.07079	\$0.00082	\$0.00000	\$0.00000	\$0.00668	\$0.07829					
52		Block 4	100,000	3,005,603			\$ 0.04044	\$0.04129	\$0.00082	\$0.00000	\$0.00000	\$0.00643	\$0.04854					
53		Block 5	600,000	462,553			\$ 0.02315	\$0.02360	\$0.00082	\$0.00000	\$0.00000	\$0.00628	\$0.03070					
54		Block 6	all additional	-			\$ 0.01157	\$0.01184	\$0.00082	\$0.00000	\$0.00000	\$0.00617	\$0.01883	\$8,203.90	\$9,242.89	\$1,038.99	12.7%	
55	32I Interr Transpt	Block 1	10,000	5,656,512	77	\$ 925.00	\$ 0.11561	\$0.11801	\$0.00082	\$0.00000	\$0.00000	\$0.00722	\$0.12605					
56		Block 2	20,000	9,633,242			\$ 0.09831	\$0.10031	\$0.00082	\$0.00000	\$0.00000	\$0.00708	\$0.10821					
57		Block 3	20,000	7,305,771			\$ 0.06948	\$0.07082	\$0.00082	\$0.00000	\$0.00000	\$0.00684	\$0.07848					
58		Block 4	100,000	22,439,448			\$ 0.04065	\$0.04130	\$0.00082	\$0.00000	\$0.00000	\$0.00661	\$0.04873					
59		Block 5	600,000	44,236,972			\$ 0.02335	\$0.02362	\$0.00082	\$0.00000	\$0.00000	\$0.00646	\$0.03090					
60		Block 6	all additional	99,230,818			\$ 0.01184	\$0.01184	\$0.00082	\$0.00000	\$0.00000	\$0.00634	\$0.01900	\$10,887.54	\$12,625.86	\$1,738.32	16.0%	
61	33		N/A	-	-	\$ 38,000.00	\$ 0.00585	\$0.00574	\$0.00082	\$0.00000	\$0.00000	(\$0.00027)	\$0.00629	\$38,250.00	\$38,490.59	\$240.59	0.6%	

[1] Rate Schedule 31 and 32 customers may choose demand charges at a volumetric rate or based on MDDV. For convenience of presentation, demand charges are not included in the calculation for those rate schedules.
 [2] Average bill rate calculated using the UG 435 rate case volumes and customer count.