



October 19, 2023

NWN OPUC Advice No. 23-24

**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 462; Order No. 23-367: Compliance Filing with Combined Effects of Annual PGA:**

UG 472: NWN OPUC Advice No. 23-05  
UG 473: NWN OPUC Advice No. 23-06  
UG 474: NWN OPUC Advice No. 23-07A  
UG 475: NWN OPUC Advice No. 23-08  
UG 476: NWN OPUC Advice No. 23-09  
UG 477: NWN OPUC Advice No. 23-10  
UG 478: NWN OPUC Advice No. 23-11B  
UG 479: NWN OPUC Advice No. 23-12  
UG 480: NWN OPUC Advice No. 23-13  
UG 481: NWN OPUC Advice No. 23-14  
UG 482: NWN OPUC Advice No. 23-15A  
UG 483: NWN OPUC Advice No. 23-16A  
UG 484: NWN OPUC Advice No. 23-17B  
UG 487: NWN OPUC Advice No. 23-20A (Replacement tariff sheet enclosed)  
UG 488: NWN OPUC Advice No. 23-21  
UG 489: NWN OPUC Advice No. 23-22

Northwest Natural Gas Company, dba NW Natural (NW Natural or Company), files herewith revisions and additions to its Tariff P.U.C. Or. 25<sup>1</sup>, as listed in the attached table of tariff sheet revisions, stated to become effective with service on and after **November 1, 2023**:

This filing is made in compliance with Order No. 23-367 in docket UG 462 issued October 16, 2023, and in accordance with OAR 860-022-0025.

**Purpose**

The purpose of this filing is to provide Schedule 198 in compliance with Commission Order No. 23-367 and to reflect the combined effects of revisions to rates and rate schedules in docket UG 462 and the effect of rate changes pending approval by the Public Utility Commission of Oregon (Commission) as part of the Company's annual Purchased Gas Adjustment (PGA) filings effective

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<sup>1</sup>Tariff 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.

on November 1, 2023, listed by docket above. The combined effect of these rate changes on customer bills is shown in the table below:

Rate Schedule	Customer Class	Average Monthly Bill Change (\$) (1) (2)	Average Monthly Bill Change (%) (1) (2)
2	Residential	\$(7.93)	(9.0%)
3	Commercial	\$(25.28)	(8%)
3	Industrial	\$(100.93)	(6.7%)
4	Residential Multi-Family	(\$0.00)	(0.0%)
27	Residential Dry-Out Service	\$(3.51)	(5.9)%
31	Commercial Firm Sales	\$(260.24)	(9.6)%
31	Commercial Firm Transportation	\$36.80	2.2%
31	Industrial Firm Sales	\$(562.66)	(11.0)%
31	Industrial Firm Transportation	\$41.44	2.1%
32	Commercial Firm Sales	\$(685.25)	(11.3)%
32	Industrial Firm Sales	\$(1,940.77)	(13.6)%
32	Commercial Firm Transportation	\$0.34	0.0%
32	Industrial Firm Transportation	\$(126.82)	(1.7)%
32	Commercial Interruptible Sales	\$(5,243.65)	(13.6)%
32	Industrial Interruptible Sales	\$(4,199.41)	(13.7)%
32	Commercial Interruptible Transportation	\$(549.63)	(4.5)%
32	Industrial Interruptible Transportation	\$(513.18)	(4.1)%
33	Firm & Interruptible Transportation	\$0.0	0.0%

(1) Due to customer optionality, demand charges are not included in the calculations for Rate Schedule 31 & 32.

(2) Average Monthly Bill Changes are calculated based on PGA volumes and June 2023 customer counts.

## **Background**

On February 28, 2023, NW Natural filed revisions to its tariff Schedule 198, Renewable Natural Gas Adjustment Mechanism, an automatic adjustment clause that allows the Company to recover costs from its prudently incurred renewable natural gas (RNG) investments. In Order No. 23-367, the Commission approved the comprehensive stipulation filed in UG 462. The effective date of the rates approved in Order No. 23-367 is November 1, 2023.

In September and October 2023, NW Natural filed the updates for its annual PGA in the dockets listed in the subject line of this compliance letter. The Commission is considering all of these filings at its October 26, 2023 special public meeting, with an effective date of November 1, 2023.

## **Proposed Changes**

### **Combined effects of Order No. 23-367 and PGA filings**

1. This compliance filing reflects the combined effects of the general rate changes adopted in docket UG 462 and the effects of the respective PGA-related dockets listed above.
2. A list of all affected tariff sheets can be found in the attached Table of Tariff sheets.

- Minor housekeeping changes to the footnotes in Schedule 32 have also been made to clarify applicable conditions.

**UG 462 Tariff Revisions**

The rate schedules that reflect the rate changes adopted by Order No. 23-367, and the combined effects of the November 1, 2023 effective PGA filings are:

<b>Rate Schedule</b>	<b>Rate Schedule Description</b>
Rate Schedule 2	Residential Sales Service
Rate Schedule 3	Basic Firm Sales Service – Non-Residential
Rate Schedule 27	Schedule 27 Residential Heating Dry-Out Service
Rate Schedule 31	Schedule 31 Non-Residential Sales and Transportation Service
Rate Schedule 32	Large Volume Non-Residential Sales and Transportation
Rate Schedule 33	High-Volume Non-Residential Firm and Interruptible Transportation Service
Schedule 100	Summary of Temporary Adjustments
Schedule 190	Partial Decoupling Mechanism
Schedule 195	Weather Adjusted Rate Mechanism (WARM Program)
Schedule 198	Renewable Natural Gas Adjustment Mechanism

This compliance filing includes one tariff sheet that cancels the tariff sheet previously filed and pending approval in the Company’s PGA filings –the following tariff sheet replaces that previously filed as shown below:

<b>UG 462 Compliance Filing Tariff Sheet</b>	<b>REPLACES Tariff Sheet from PGA filing</b>
First Revision of Sheet 198-1	First Revision of Sheet 198-1 from UG 487, NWN OPUC Advice No. 23-20A

**Conclusion**

NW Natural respectfully requests that the tariff sheet revisions listed in the attached table providing a complete list of all tariff sheets that have been revised in compliance with Order No. 23-367 be approved with an effective date of 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](http://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](mailto:eFiling@nwnatural.com)

Sincerely,

*/s/ Kyle Walker, CPA*

Kyle Walker, CPA  
Rates/Regulatory Senior Manager

Attachments

**NW Natural**  
**TABLE OF TARIFF SHEET REVISIONS**  
**PROPOSED TO BECOME EFFECTIVE NOVEMBER 1, 2023**  
**OPUC Advice No. 23-24; UG 462 Compliance Filing**

<b>Schedule Title</b>	<b>Proposed Sheet</b>
Rate Schedule 2 - Residential Sales Service	Fifteenth Revision of Sheet 2-1
Rate Schedule 3 - Basic Firm Sales Service – Non-Residential	Fourteenth Revision of Sheet 3-4
Rate Schedule 27 - Residential Heating Dry-Out Service	Twelfth Revision of Sheet 27-1
Rate Schedule 31 - Non-Residential Firm Sales and Firm Transportation Service	Fourteenth Revision of Sheet 31-11
Rate Schedule 31 - Non-Residential Firm Sales and Firm Transportation Service	Twelfth Revision of Sheet 31-12
Rate Schedule 32 - Large Volume Non-Residential Sales and Transportation Service	Twelfth Revision of Sheet 32-12
Rate Schedule 32 - Large Volume Non-Residential Sales and Transportation Service	Fourteenth Revision of Sheet 32-13
Rate Schedule 32 - Large Volume Non-Residential Sales and Transportation Service	Twelfth Revision of Sheet 32-14
Rate Schedule 33 - High-Volume Non-Residential Firm and Interruptible Transportation Service	Twelfth Revision of Sheet 33-8
Schedule 100 - Summary of Temporary Adjustments	Ninth Revision of Sheet 100-1
Schedule 100 - Summary of Temporary Adjustments	Eighth Revision of Sheet 100-2
Schedule 100 - Summary of Temporary Adjustments	Ninth Revision of Sheet 100-3
Schedule 100 - Summary of Temporary Adjustments	Eighth Revision of Sheet 100-4
Schedule 100 - Summary of Temporary Adjustments	Third Revision of Sheet 100-5
Schedule 190 - Partial Decoupling Mechanism	Twelfth Revision of Sheet 190-2
Schedule 195 - Weather Adjusted Rate Mechanism (WARM Program)	Eighth Revision of Sheet 195-4
Schedule 195 - Weather Adjusted Rate Mechanism (WARM Program)	Twelfth Revision of Sheet 195-5
Schedule 198 – Renewable Natural Gas Adjustment Mechanism	First Revision of Sheet 198-1

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Fifteenth Revision of Sheet 2-1  
Cancels Fourteenth Revision of Sheet 2-1

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## 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, 2023

(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 [1]	Pipeline Capacity	Commodity	Temporary Adjustment	Total Billing
Customer Charge:	\$8.00	---	---	---	---	<b>\$8.00</b>
Volumetric Charge (per therm):	\$0.68192	\$0.00435	\$0.10025	\$0.44732	\$0.06135	<b>\$1.29519</b>

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(continue to Sheet 2-2)

Issued October 19, 2023  
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Effective with service on  
and after November 1, 2023

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

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

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

**MONTHLY RATE:** Effective: November 1, 2023

(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	
<b>Commercial</b>	\$0.55443	\$0.00435	\$0.10025	\$0.44732	(\$0.01882)	<b>\$1.08753</b>
<b>Industrial</b>	\$0.43754	\$0.00435	\$0.10025	\$0.44732	\$0.06884	<b>\$1.05830</b>
Standby Charge (per therm of MHDV) [3]:						\$10.00

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[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.

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and after November 1, 2023

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

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

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## 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, 2023

(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	---	---	---	---	<b>\$8.00</b>
Volumetric Charge (per therm)	\$0.49444	\$0.00435	\$0.10025	\$0.44732	\$0.03969	<b>\$1.08605</b>

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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 19, 2023  
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and after November 1, 2023



# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Fourteenth Revision of Sheet 31-11  
Cancels Thirteenth 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, 2023**

(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.

<b>FIRM SALES SERVICE CHARGES (31 CSF) [1]:</b>					Billing Rates
Customer Charge (per month):					<b>\$325.00</b>
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
Block 1: 1 <sup>st</sup> 2,000 therms	\$0.30253	\$0.00435	\$0.44732	\$0.00500	<b>\$0.75920</b>
Block 2: All additional therms	\$0.27603	\$0.00435	\$0.44732	\$0.00328	<b>\$0.73098</b>
<b>Pipeline Capacity Charge Options (select one):</b>					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					<b>\$0.10025</b>
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					<b>\$1.48</b>
<b>FIRM TRANSPORTATION SERVICE CHARGES (31 CTF):</b>					
Customer Charge (per month):					<b>\$325.00</b>
Transportation Charge (per month):					<b>\$250.00</b>
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Total Temporary Adjustments [4]	
Block 1: 1 <sup>st</sup> 2,000 therms	\$0.27194	\$0.00435		\$0.01874	<b>\$0.29503</b>
Block 2: All additional therms	\$0.24861	\$0.00435		\$0.01702	<b>\$0.26998</b>

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- [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)

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Effective with service on  
and after November 1, 2023

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Twelfth Revision of Sheet 31-12  
Cancels Eleventh 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, 2023

(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):					<b>\$325.00</b>
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
Block 1: 1 <sup>st</sup> 2,000 therms	\$0.23089	\$0.00435	\$0.44732	\$0.06165	<b>\$0.74421</b>
Block 2: All additional therms	\$0.20815	\$0.00435	\$0.44732	\$0.06031	<b>\$0.72013</b>
<b>Pipeline Capacity Charge Options (select one):</b>					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					<b>\$0.10025</b>
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					<b>\$1.48</b>
<b>FIRM TRANSPORTATION SERVICE CHARGES (31 ITF):</b>					
Customer Charge (per month):					<b>\$325.00</b>
Transportation Charge (per month):					<b>\$250.00</b>
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Total Temporary Adjustments [4]	
Block 1: 1 <sup>st</sup> 2,000 therms	\$0.23417	\$0.00435		\$0.01499	<b>\$0.25351</b>
Block 2: All additional therms	\$0.21165	\$0.00435		\$0.01346	<b>\$0.22946</b>

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[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.

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NWN OPUC Advice No. 23-24

Effective with service on  
and after November 1, 2023

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

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

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

**MONTHLY RATES:**

**Effective: November 1, 2023**

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**.

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<b>FIRM SALES SERVICE CHARGES [1]:</b>					<b>Billing Rates</b>
Customer Charge (per month, all service types):					<b>\$675.00</b>
	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
<b>32 CSF Volumetric Charges (per therm):</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.15884	\$0.00435	\$0.44732	\$0.06080	<b>\$0.67131</b>
Block 2: Next 20,000 therms	\$0.13408	\$0.00435	\$0.44732	\$0.05874	<b>\$0.64449</b>
Block 3: Next 20,000 therms	\$0.09297	\$0.00435	\$0.44732	\$0.05533	<b>\$0.59997</b>
Block 4: Next 100,000 therms	\$0.05171	\$0.00435	\$0.44732	\$0.05190	<b>\$0.55528</b>
Block 5: Next 600,000 therms	\$0.02207	\$0.00435	\$0.44732	\$0.04944	<b>\$0.52318</b>
Block 6: All additional therms	\$0.00802	\$0.00435	\$0.44732	\$0.04827	<b>\$0.50796</b>
<b>32 ISF Volumetric Charges (per therm):</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.12308	\$0.00435	\$0.44732	\$0.05252	<b>\$0.62727</b>
Block 2: Next 20,000 therms	\$0.10391	\$0.00435	\$0.44732	\$0.05182	<b>\$0.60740</b>
Block 3: Next 20,000 therms	\$0.07188	\$0.00435	\$0.44732	\$0.05061	<b>\$0.57416</b>
Block 4: Next 100,000 therms	\$0.03995	\$0.00435	\$0.44732	\$0.04942	<b>\$0.54104</b>
Block 5: Next 600,000 therms	\$0.01766	\$0.00435	\$0.44732	\$0.04858	<b>\$0.51791</b>
Block 6: All additional therms	\$0.00644	\$0.00435	\$0.44732	\$0.04817	<b>\$0.50628</b>
Firm Service Distribution Capacity Charge (per therm of MDDV per month):					<b>\$0.15748</b>
Firm Sales Service Storage Charge (per therm of MDDV per month):					<b>\$0.20415</b>
<b>Pipeline Capacity Charge Options (select one):</b>					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					<b>\$0.10025</b>
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV per month):					<b>\$1.48</b>

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[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, the Account 191 Adjustments may apply.

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(continue to Sheet 32-13)

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P.U.C. Or. 25

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

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

**MONTHLY RATES (continued):**

**Effective: November 1, 2023**

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]:					Billing Rates
Customer Charge (per month):					<b>\$675.00</b>
	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
<b>32 CSI Volumetric Charges (per therm):</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.13468	\$0.00435	\$0.44732	\$0.05827	<b>\$0.64462</b>
Block 2: Next 20,000 therms	\$0.11371	\$0.00435	\$0.44732	\$0.05712	<b>\$0.62250</b>
Block 3: Next 20,000 therms	\$0.07871	\$0.00435	\$0.44732	\$0.05519	<b>\$0.58557</b>
Block 4: Next 100,000 therms	\$0.04369	\$0.00435	\$0.44732	\$0.05325	<b>\$0.54861</b>
Block 5: Next 600,000 therms	\$0.02268	\$0.00435	\$0.44732	\$0.05209	<b>\$0.52644</b>
Block 6: All additional therms	\$0.00732	\$0.00435	\$0.44732	\$0.05124	<b>\$0.51023</b>
Interruptible Pipeline Capacity Charge (per therm):					<b>\$0.01193</b>
<b>32 ISI Volumetric Charges (per therm):</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.12033	\$0.00435	\$0.44732	\$0.05593	<b>\$0.62793</b>
Block 2: Next 20,000 therms	\$0.10158	\$0.00435	\$0.44732	\$0.05521	<b>\$0.60846</b>
Block 3: Next 20,000 therms	\$0.07031	\$0.00435	\$0.44732	\$0.05398	<b>\$0.57596</b>
Block 4: Next 100,000 therms	\$0.03902	\$0.00435	\$0.44732	\$0.05278	<b>\$0.54347</b>
Block 5: Next 600,000 therms	\$0.02025	\$0.00435	\$0.44732	\$0.05204	<b>\$0.52396</b>
Block 6: All additional therms	\$0.00651	\$0.00435	\$0.44732	\$0.05150	<b>\$0.50968</b>
Interruptible Pipeline Capacity Charge (per therm):					<b>\$0.01193</b>

[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, the Account 191 Adjustments may apply.

(continue to Sheet 32-14)

Issued October 19, 2023  
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and after November 1, 2023

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

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

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

**MONTHLY RATES (continued):**

**Effective: November 1, 2023**

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)

<b>FIRM TRANSPORTATION SERVICE CHARGES (32 CTF or 32 ITF) [1]:</b>					<b>Billing Rates</b>
Customer Charge (per month):					<b>\$675.00</b>
Transportation Charge (per month):					<b>\$250.00</b>
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Total Temporary Adjustments [2]	
<b>Commercial</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.12467	\$0.00435		\$0.00423	<b>\$0.13325</b>
Block 2: Next 20,000 therms	\$0.10593	\$0.00435		\$0.00338	<b>\$0.11366</b>
Block 3: Next 20,000 therms	\$0.07481	\$0.00435		\$0.00198	<b>\$0.08114</b>
Block 4: Next 100,000 therms	\$0.04364	\$0.00435		\$0.00058	<b>\$0.04857</b>
Block 5: Next 600,000 therms	\$0.02491	\$0.00435		(\$0.00027)	<b>\$0.02899</b>
Block 6: All additional therms	\$0.01250	\$0.00435		(\$0.00084)	<b>\$0.01601</b>
<b>Industrial</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.12249	\$0.00435		\$0.00345	<b>\$0.13029</b>
Block 2: Next 20,000 therms	\$0.10411	\$0.00435		\$0.00279	<b>\$0.11125</b>
Block 3: Next 20,000 therms	\$0.07349	\$0.00435		\$0.00169	<b>\$0.07953</b>
Block 4: Next 100,000 therms	\$0.04290	\$0.00435		\$0.00058	<b>\$0.04783</b>
Block 5: Next 600,000 therms	\$0.02448	\$0.00435		(\$0.00009)	<b>\$0.02874</b>
Block 6: All additional therms	\$0.01230	\$0.00435		(\$0.00052)	<b>\$0.01613</b>
Firm Service Distribution Capacity Charge (per therm of MDDV per month):					<b>\$0.15748</b>

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<b>INTERRUPTIBLE TRANSPORTATION SERVICE CHARGES (32 CTI or ITI) [3]:</b>					
Customer Charge (per month):					<b>\$675.00</b>
Transportation Charge (per month):					<b>\$250.00</b>
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Total Temporary Adjustments [2]	
<b>Commercial</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.11796	\$0.00435		\$0.00240	<b>\$0.12471</b>
Block 2: Next 20,000 therms	\$0.10027	\$0.00435		\$0.00183	<b>\$0.10645</b>
Block 3: Next 20,000 therms	\$0.07079	\$0.00435		\$0.00087	<b>\$0.07601</b>
Block 4: Next 100,000 therms	\$0.04129	\$0.00435		(\$0.00007)	<b>\$0.04557</b>
Block 5: Next 600,000 therms	\$0.02360	\$0.00435		(\$0.00065)	<b>\$0.02730</b>
Block 6: All additional therms	\$0.01184	\$0.00435		(\$0.00102)	<b>\$0.01517</b>
<b>Industrial</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.11801	\$0.00435		\$0.00307	<b>\$0.12543</b>
Block 2: Next 20,000 therms	\$0.10031	\$0.00435		\$0.00247	<b>\$0.10713</b>
Block 3: Next 20,000 therms	\$0.07082	\$0.00435		\$0.00145	<b>\$0.07662</b>
Block 4: Next 100,000 therms	\$0.04130	\$0.00435		\$0.00045	<b>\$0.04610</b>
Block 5: Next 600,000 therms	\$0.02362	\$0.00435		(\$0.00016)	<b>\$0.02781</b>
Block 6: All additional therms	\$0.01184	\$0.00435		(\$0.00056)	<b>\$0.01563</b>

(D)

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(R)

[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.

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# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Twelfth Revision of Sheet 33-8  
Cancels Eleventh Revision of Sheet 33-8

## RATE SCHEDULE 33 HIGH VOLUME NON-RESIDENTIAL FIRM AND INTERRUPTIBLE TRANSPORTATION SERVICE (continued)

**MONTHLY RATE:**

Effective: November 1, 2023

(C)

The rates shown below 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.

<b>FIRM TRANSPORTATION SERVICE CHARGES (33 TF)</b>					
					<b>Billing Rates</b>
Customer Charge:					<b>\$38,000.00</b>
Transportation Charge:					<b>\$250.00</b>
Volumetric Charge:		Base Rate	Base Rate Adjustments	Total Temporary Adjustment [1]	
Per therm, all therms:		\$0.00574	\$0.00435	(\$0.00147)	<b>\$0.00862</b>
Firm Service Distribution Capacity Charge: Per therm of MDDV per month					<b>\$0.15748</b>
<b>Minimum Monthly Bill:</b> Customer Charge, plus Transportation Charge, plus Firm Service Distribution Capacity Charge, plus any other charges that may apply from <b>Schedule C</b> and <b>Schedule 15</b> .					

(I)

<b>INTERRUPTIBLE TRANSPORTATION SERVICE CHARGES (33 TI)</b>					
					<b>Billing Rates</b>
Customer Charge:					<b>\$38,000.00</b>
Transportation Charge:					<b>\$250.00</b>
Volumetric Charge:		Base Rate	Base Rate Adjustments	Total Temporary Adjustment [1]	
Per therm, all therms:		\$0.00574	\$0.00435	(\$0.00147)	<b>\$0.00862</b>
<b>Minimum Monthly Bill:</b> Customer Charge, plus Transportation Charge, plus any other charges that may apply from <b>Schedule C</b> and <b>Schedule 15</b> .					

(I)

[1] Where applicable, as set forth in this Rate Schedule, the Account 191 portion of the Temporary Adjustments as set forth in **Schedule 162** shall apply.

Issued October 19, 2023  
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# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Ninth Revision of Sheet 100-1  
Cancels Eighth Revision Sheet 100-1

## SCHEDULE 100 SUMMARY OF TEMPORARY ADJUSTMENTS

**PURPOSE:**

To list the temporary adjustments included in billing rates.

**DESCRIPTION:**

The temporary adjustments to rates reflected in this Schedule are the result of the Commission's approval of an application by NW Natural to defer certain revenues or expenses for later amortization in customer rates under the authority of ORS 757.259, OAR 860-022-0070, and OAR 860-027-0300. The details specific to each adjustment can be found in the respective Adjustment Schedules.

All adjustment amounts identified in this Schedule shall be in effect for a 12-month period commencing with the stated effective date, or for such other period approved by the Commission.

**APPLICABLE:**

To 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

**TABLE OF TEMPORARY ADJUSTMENTS: Effective: November 1, 2023**

All temporary adjustments are stated on a cent per therm basis.

(C)

**Schedule 2: Residential Sales Service**

	Applicable	Firm Sales		
		Residential		
Deferred Gas Cost Amortization (Schedule 162)	All Therms	\$0.00028		(R)
Rate Mitigation (Schedule 166)	All Therms	\$0.01427		(I)
Net Curtailment and Entitlement Revenues (168)	All Therms	(\$0.00143)		(R)
Intervenor Funding (Schedule 172)	All Therms	\$0.00079		(I)
Covid-19 Deferral (Schedule 173)	All Therms	\$0.02376		(I)
Corporate Activity Tax (CAT) (Schedule 177)	All Therms	\$0.00078		(R)
Regulatory Rate Adjustment (Schedule 178)	All Therms	\$0.00003		(I)
TSA Security Directive 2 Compliance Costs (Schedule 180)	All Therms	\$0.00271		(R)
Regulatory Fee (Schedule 181)	All Therms	\$0.00058		(R)
Environmental Cost Recovery (Schedule 183)	All Therms	\$0.01564		(I)
TSA Capital and Cost of Service Recovery (Schedule 189)	All Therms	\$0.00150		(I)
Decoupling Adjustment (Schedule 190)	All Therms	\$0.00566		(I)
WARM True-up (Schedule 195)	All Therms	(\$0.00322)		(R)
Gas Reserve EDIT Amortization Credit (Schedule 196)	All Therms	\$0.00000		(I)

**Schedule 3: Basic Firm Sales - Non-Residential**

	Applicable	Firm Sales		
		Commercial	Industrial	
Deferred Gas Cost Amortization (Schedule 162)	All Therms	\$0.00028	\$0.00028	(R)(R)
Net Curtailment and Entitlement Revenues (168)	All Therms	(\$0.00107)	(\$0.00078)	(R)(R)
Intervenor Funding (Schedule 172)	All Therms		\$0.00044	(I)
Covid-19 Deferral (Schedule 173)	All Therms	\$0.01936	\$0.01066	(I)(I)
Corporate Activity Tax (CAT) (Schedule 177)	All Therms	\$0.00062	\$0.00057	(R)(R)
Regulatory Rate Adjustment (Schedule 178)	All Therms	\$0.00003	\$0.00003	(I)(I)
TSA Security Directive 2 Compliance Costs (Schedule 180)	All Therms	\$0.00201	\$0.00148	(R)(R)
Regulatory Fee (Schedule 181)	All Therms	\$0.00046	\$0.00042	(R)(R)
Environmental Cost Recovery (Schedule 183)	All Therms	\$0.01163	\$0.00852	(I)(I)
Industrial DSM (Schedule 188)	All Therms		\$0.04655	(I)
TSA Capital and Cost of Service Recovery (Schedule 189)	All Therms	\$0.00122	\$0.00067	(I)(I)
Decoupling Adjustment (Schedule 190)	All Therms	(\$0.04545)		(R)
WARM True-up (Schedule 195)	All Therms	(\$0.00791)		(R)
Gas Reserve EDIT Amortization Credit (Schedule 196)	All Therms	\$0.00000	\$0.00000	(I)(I)

(continue to Sheet 100-2)

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# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Eighth Revision of Sheet 100-2  
Cancels Seventh Revision of Sheet 100-2

## SCHEDULE 100 SUMMARY OF TEMPORARY ADJUSTMENTS (continued)

**TABLE OF TEMPORARY ADJUSTMENTS (continued):**      **Effective: November 1, 2023**

(C)

**Rate Schedule 27: Residential Heating Dry Out Service**

	Applicable	<b>FIRM SALES</b>	
		<b>Commercial</b>	
Deferred Gas Cost Amortization (Schedule 162)	All Therms	\$0.00028	(R)
Net Curtailment and Entitlement Revenues (168)	All Therms	(\$0.00117)	(R)
Covid-19 Deferral (Schedule 173)	All Therms	\$0.02292	(I)
Corporate Activity Tax (CAT) (Schedule 177)	All Therms	\$0.00067	(R)
Regulatory Rate Adjustment (Schedule 178)	All Therms	\$0.00003	(I)
TSA Security Directive 2 Compliance Costs (Schedule 180)	All Therms	\$0.00222	(R)
Regulatory Fee (Schedule 181)	All Therms	\$0.00050	(R)
Environmental Cost Recovery (Schedule 183)	All Therms	\$0.01280	(I)
TSA Capital and Cost of Service Recovery (Schedule 189)	All Therms	\$0.00144	(I)
Gas Reserve EDIT Amortization Credit (Schedule 196)	All Therms	\$0.00000	(I)

**Schedule 31: Non-Residential Firm Sales and Firm Transportation**

	Applicable	FIRM SALES		FIRM TRANSPORTATION		
		Commercial	Industrial	Commercial	Industrial	
Deferred Gas Cost Amortization (Schedule 162)	All Blocks	\$0.00028	\$0.00028			(R)(R)
Net Curtailment and Entitlement Revenues (168)	Block 1	(\$0.00074)	(\$0.00051)			(R)(R)
	Block 2	(\$0.00067)	(\$0.00046)			(R)(R)
Transportation Customer Renewable Natural Gas Offtake Costs (Schedule 171)	All Blocks			(\$0.00147)	(\$0.00147)	(T) (R)(R)
Intervenor Funding (Schedule 172)	All Blocks		\$0.00044		\$0.00044	(I) (I)
Covid-19 Deferral (Schedule 173)	Block 1	\$0.01023	\$0.00714	\$0.00972	\$0.00777	(I) (I) (I) (I)
	Block 2	\$0.00934	\$0.00644	\$0.00889	\$0.00703	(I) (I) (I) (I)
Corporate Activity Tax (CAT) (Schedule 177)	Block 1	\$0.00048	\$0.00044	\$0.00022	\$0.00017	(R)(R)(R)(R)
	Block 2	\$0.00046	\$0.00043	\$0.00020	\$0.00016	(R)(R)(R)(R)
Regulatory Rate Adjustment (Schedule 178)	Block 1	\$0.00003	\$0.00003	\$0.00003	\$0.00003	(I) (I) (I) (I)
	Block 2	\$0.00003	\$0.00003	\$0.00003	\$0.00003	(I) (I) (I) (I)
TSA Security Directive 2 Compliance Costs (Schedule 180)	Block 1	\$0.00139	\$0.00096	\$0.00140	\$0.00110	(R)(R)(R)(R)
	Block 2	\$0.00127	\$0.00087	\$0.00128	\$0.00099	(R)(R)(R)(R)
Regulatory Fee (Schedule 181)	Block 1	\$0.00036	\$0.00033	\$0.00016	\$0.00013	(R)(R)(R)(R)
	Block 2	\$0.00035	\$0.00032	\$0.00015	\$0.00012	(R)(R)(R)(R)
Environmental Cost Recovery (Schedule 183)	Block 1	\$0.00804	\$0.00554	\$0.00807	\$0.00633	(I) (I) (I) (I)
	Block 2	\$0.00734	\$0.00500	\$0.00738	\$0.00572	(I) (I) (I) (I)
Industrial DSM (Schedule 188)	All Blocks		\$0.04655			(I)
TSA Capital and Cost of Service Recovery (Schedule 189)	Block 1	\$0.00064	\$0.00045	\$0.00061	\$0.00049	(I) (I) (I) (I)
	Block 2	\$0.00059	\$0.00041	\$0.00056	\$0.00044	(I) (I) (I) (I)
Decoupling Adjustment (Schedule 190)	All Blocks	(\$0.01571)				(I)
Gas Reserve EDIT Amortization Credit (Schedule 196)	Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000	(I) (I) (I) (I)
	Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000	(I) (I) (I) (I)

(continue to Sheet 100-3)

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# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Ninth Revision of Sheet 100-3  
Cancels Eighth Revision of Sheet 100-3

## SCHEDULE 100 SUMMARY OF TEMPORARY ADJUSTMENTS (continued)

**TABLE OF TEMPORARY ADJUSTMENTS (continued): Effective: November 1, 2023**

(C)

### Schedule 32: Large Volume Non-Residential Sales and Transportation

	Applicable	FIRM SALES		FIRM TRANSPORTATION		
		Commercial	Industrial	Commercial	Industrial	
Deferred Gas Cost Amortization (Schedule 162)	All Blocks	\$0.00028	\$0.00028			(R)(R)
Net Curtailment and Entitlement Revenues (168)	Block 1	(\$0.00046)	(\$0.00030)			(R)(R)
	Block 2	(\$0.00039)	(\$0.00025)			(R)(R)
	Block 3	(\$0.00027)	(\$0.00017)			(T)
	Block 4	(\$0.00015)	(\$0.00010)			(R)(R)
	Block 5	(\$0.00007)	(\$0.00005)			(R)(R)
	Block 6	(\$0.00003)	(\$0.00002)			(R)(R)
Transportation Customer Renewable Natural Gas Offtake Costs (Schedule 171)	All Blocks			(\$0.00147)	(\$0.00147)	(T)
Intervenor Funding (Schedule 172)	All Blocks		\$0.00044		\$0.00044	(I) (I)
Covid-19 Deferral (Schedule 173)	Block 1	\$0.00728	\$0.00102	\$0.00130	\$0.00092	(I) (I) (I) (I)
	Block 2	\$0.00616	\$0.00087	\$0.00110	\$0.00078	(I) (I) (I) (I)
	Block 3	\$0.00430	\$0.00060	\$0.00078	\$0.00056	(I) (I) (I) (I)
	Block 4	\$0.00243	\$0.00034	\$0.00046	\$0.00033	(I) (I) (I) (I)
	Block 5	\$0.00109	\$0.00016	\$0.00027	\$0.00019	(I) (I) (I) (I)
	Block 6	\$0.00045	\$0.00007	\$0.00014	\$0.00010	(I) (I)
Corporate Activity Tax (CAT) (Schedule 177)	Block 1	\$0.00043	\$0.00038	\$0.00010	\$0.00008	(R)(R)(R)(R)
	Block 2	\$0.00041	\$0.00037	\$0.00008	\$0.00007	(R) (R)(R)
	Block 3	\$0.00039	\$0.00035	\$0.00006	\$0.00005	(R)(R)
	Block 4	\$0.00037	\$0.00034	\$0.00004	\$0.00003	(I) (I)(R)(R)
	Block 5	\$0.00035	\$0.00032	\$0.00002	\$0.00002	(I) (I)(R)
	Block 6	\$0.00034	\$0.00032	\$0.00001	\$0.00001	(I) (I)
Regulatory Rate Adjustment (Schedule 178)	Block 1	\$0.00003	\$0.00003	\$0.00003	\$0.00003	(I) (I) (I) (I)
	Block 2	\$0.00003	\$0.00003	\$0.00003	\$0.00003	(I) (I) (I) (I)
	Block 3	\$0.00003	\$0.00003	\$0.00003	\$0.00003	(I) (I)(R)
	Block 4	\$0.00003	\$0.00003	\$0.00003	\$0.00003	(R)(R)(R)(R)
	Block 5	\$0.00003	\$0.00003	\$0.00003	\$0.00003	(R)(R)(R)(R)
	Block 6	\$0.00003	\$0.00003	\$0.00003	\$0.00003	(R)(R)(R)(R)
TSA Security Directive 2 Compliance Costs (Schedule 180)	Block 1	\$0.00087	\$0.00056	\$0.00061	\$0.00049	(R)(R)(R)(R)
	Block 2	\$0.00074	\$0.00047	\$0.00052	\$0.00042	(R)(R)(R)(R)
	Block 3	\$0.00052	\$0.00033	\$0.00037	\$0.00030	(R)
	Block 4	\$0.00029	\$0.00019	\$0.00022	\$0.00017	(R) (R)(R)
	Block 5	\$0.00013	\$0.00009	\$0.00012	\$0.00010	(R)(R)(R)(R)
	Block 6	\$0.00005	\$0.00004	\$0.00006	\$0.00005	(R) (R)(R)
Regulatory Fee (Schedule 181)	Block 1	\$0.00032	\$0.00028	\$0.00007	\$0.00006	(R)(R)(R)(R)
	Block 2	\$0.00031	\$0.00028	\$0.00006	\$0.00005	(R)(R)(R)(R)
	Block 3	\$0.00029	\$0.00026	\$0.00004	\$0.00004	(R)(R)(R)(R)
	Block 4	\$0.00027	\$0.00025	\$0.00003	\$0.00002	(R)(R)(R)(R)
	Block 5	\$0.00026	\$0.00024	\$0.00002	\$0.00001	(R)(R)(R)(R)
	Block 6	\$0.00026	\$0.00024	\$0.00001	\$0.00001	(R)(R)(R)(R)
Environmental Cost Recovery (Schedule 183)	Block 1	\$0.00504	\$0.00322	\$0.00351	\$0.00284	(I) (I) (I) (I)
	Block 2	\$0.00426	\$0.00273	\$0.00299	\$0.00242	(I) (I) (I) (I)
	Block 3	\$0.00297	\$0.00190	\$0.00212	\$0.00171	(I) (I) (I) (I)
	Block 4	\$0.00168	\$0.00108	\$0.00124	\$0.00101	(I) (I) (I) (I)
	Block 5	\$0.00075	\$0.00051	\$0.00072	\$0.00058	(I) (I) (I) (I)
	Block 6	\$0.00031	\$0.00022	\$0.00037	\$0.00030	(I) (I)
Industrial DSM (Schedule 188)	All Blocks	\$0.04655	\$0.04655			(I) (I)
TSA Security Directive (Schedule 189)	Block 1	\$0.00046	\$0.00006	\$0.00008	\$0.00006	(I) (I) (I)
	Block 2	\$0.00039	\$0.00005	\$0.00007	\$0.00005	(I) (I) (I)
	Block 3	\$0.00027	\$0.00004	\$0.00005	\$0.00003	(I) (I) (I)
	Block 4	\$0.00015	\$0.00002	\$0.00003	\$0.00002	(I) (I) (I)
	Block 5	\$0.00007	\$0.00001	\$0.00002	\$0.00001	(I) (I) (I)
	Block 6	\$0.00003	\$0.00000	\$0.00001	\$0.00001	(I) (I) (I)
Gas Reserve EDIT Amortization Credit (Schedule 196)	Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000	(I) (I) (I) (I)
	Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000	(I) (I) (I) (I)
	Block 3	\$0.00000	\$0.00000	\$0.00000	\$0.00000	(I) (I) (I) (I)
	Block 4	\$0.00000	\$0.00000	\$0.00000	\$0.00000	(I) (I) (I) (I)
	Block 5	\$0.00000	\$0.00000	\$0.00000	\$0.00000	(I) (I) (I) (I)
	Block 6	\$0.00000	\$0.00000	\$0.00000	\$0.00000	(I) (I) (I) (I)

(continue to Sheet 100-4)

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**NORTHWEST NATURAL GAS COMPANY**

P.U.C. Or. 25

Third Revision of Sheet 100-5  
 Cancels Second Revision of Sheet 100-5

**SCHEDULE 100  
 SUMMARY OF TEMPORARY ADJUSTMENTS  
 (continued)**

**TABLE OF TEMPORARY ADJUSTMENTS (continued):** Effective: November 1, 2023

(C)

**Rate Schedule 33: High Large Volume Non-Residential Firm Transportation and Interruptible Service**

	Applicable	FIRM TRANSPORTATION	
		Commercial	Industrial
Transportation Customer Renewable Natural Gas Offtake Costs (Schedule 171)	All Therms	(\$0.00147)	(\$0.00147)
Environmental Cost Recovery (Schedule 183)	All Therms	\$0.00000	\$0.00000

(T)(R)(R)

	Applicable	INTERRUPTIBLE TRANSPORTATION
		All
Transportation Customer Renewable Natural Gas Offtake Costs (Schedule 171)	All Therms	(\$0.00147)
Environmental Cost Recovery (Schedule 183)	All Therms	\$0.00000

(T)(R)

**Rate Schedule 60: Special Contracts**

	Applicable	All
Transportation Customer Renewable Natural Gas Offtake Costs (Schedule 171)	All Therms	\$0.00191

(N)

(N)

Issued October 19, 2023  
 NWN OPUC Advice No. 23-24

Effective with service on and  
 after November 1, 2023

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

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

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## SCHEDULE 190 PARTIAL DECOUPLING MECHANISM (continued)

### PARTIAL DECOUPLING DEFERRAL ACCOUNT (continued):

2. The baseline use-per-customer is:

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

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**.

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.

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, 2023 is \$0.68627 per therm for Residential customers and \$0.55878 per therm for Commercial (Schedule 3) customers and \$0.29304 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 19, 2023  
NWN OPUC Advice No. 23-24

Effective with service on  
and after November 1, 2023

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Eighth Revision of Sheet 195-4  
Cancels Seventh 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, 2023 are:

(C)

Rate Schedule 2:	\$0.68627	Rate Schedule 3:	\$0.55878
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(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	\$1.72
10	1.4942	\$1.03		6.1412	\$3.43
15	2.2413	\$1.54		9.2118	\$5.15
20	2.9884	\$2.05		12.2824	\$6.86
25	3.7355	\$2.56		15.353	\$8.58
30	4.4826	\$3.08		18.4236	\$10.29
35	5.2297	\$3.59		21.4942	\$12.01
40	5.9768	\$4.10		24.5648	\$13.73
45	6.7239	\$4.61		27.6354	\$15.44
50	7.471	\$5.13		30.706	\$17.16

(J)

(I)

(I)(I)

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 19, 2023  
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Effective with service on  
and after November 1, 2023

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

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

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## 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 \$1.29519 cents per therm, the HDD variance is 50 HDDs colder than normal, and the monthly therm usage is 129 therms:

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	
	Equivalent therms:	$-50 \times 0.14942 = -7.4710$ therms	
Total Warm Adjustment:	Equivalent therms:	-7.4710 therms	
	Margin Rate:	\$0.68627	(I)
	Total WARM Adj.:	$-7.4710 \times \$0.68627 = (\$5.12712)$	(R)
Total WARM Adjustment converted to cents per therm:	Total WARM Adj.	(\$5.12712)	(R)
	Monthly usage:	129 therms	
	Cent/therm Adj.:	$(\$5.12712) / 129 = (\$0.03975)$	(R)
Billing Rate per therm:	Current Rate/therm:	\$1.29519	(I)
	WARM cent/therm Adj.	(\$0.03975)	(R)
	WARM Billing Rate:	$\$1.29519 + (\$0.03975) = \$1.25544$	(I)
Total WARM Bill:	Customer Charge:	\$8.00	
	Usage Charge:	\$1.25544	(I)
	Total	$(129 \times \$1.25544) + \$8.00 = \$169.95$	(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 19, 2023  
NWN OPUC Advice No. 23-24

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and after November 1, 2023

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

First Revision of Sheet 198-1  
Cancels Original Sheet 198-1

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## SCHEDULE 198 RENEWABLE NATURAL GAS ADJUSTMENT MECHANISM

### **PURPOSE:**

The purpose of this Schedule is to identify adjustments to rates in the Rate Schedules listed below for the recovery of the revenue requirement of qualified investments, as defined by ORS 757.392(5), in renewable natural gas (RNG) infrastructure.

This adjustment mechanism will recover the revenue requirement associated with the prudently incurred qualified investments that contribute to the Company meeting the targets set forth in ORS 757.396. For purposes of this Schedule, "qualified investment" has the meaning given that term in ORS 757.392. This Adjustment Schedule is implemented as an automatic adjustment clause as provided for under ORS 757.210 and Oregon Senate Bill 98 (2019) codified as ORS 757.396.

### **APPLICABLE:**

To All Customers on the Rate Schedules of this Tariff listed below:

Rate Schedule 2	Rate Schedule 31	Rate Schedule 60A/60	(N)
Rate Schedule 3	Rate Schedule 32		
Rate Schedule 27	Rate Schedule 33		

### **Application to Rates:**

The per-therm Base Adjustment in the applicable Rate Schedules include the following adjustment:

	All Customers	Effective Date:	(C)
Schedule 198 amortization	\$0.00435	November 1, 2023	(C)

### **SPECIAL CONDITIONS:**

1. The Company will file this Schedule by August 1 of each year as necessary to update all charges already included on this schedule as needed. Updating of charges will include updating for the relevant vintage of the revenue requirement for previously included investments and a true-up for actual costs and volumes of previously included costs. This updating of charges will be supported by a deferral application (Schedule 198 Deferral) that will apply to costs recovered through this Schedule 198. The amortization of the Schedule 198 Deferral amount will be subject to an earnings test deadband. Per Order No. 22-388, the deadband is set at 50 basis points below and 50 basis points above authorized ROE. (T)  
(T)

(continue to Sheet 198-2)

Issued October 19, 2023  
NWN OPUC Advice No. 23-24

Effective with service on  
and after November 1, 2023

EXHIBIT A

BEFORE THE PUBLIC UTILITY COMMISSION  
OF OREGON

NW NATURAL SUPPORTING MATERIALS

Renewable Natural Gas Adjustment Mechanism – Dakota City  
Compliance Filing with Combined Effects of Annual PGA

UG 462

NWN OPUC Advice No. 23-24 / UG 462

October 19, 2023



# NW NATURAL

## EXHIBIT A

### Supporting Materials

#### Renewable Natural Gas Adjustment Mechanism - Dakota City Compliance Filing with Combined Effects of Annual PGA

NWN OPUC ADVICE NO. 23-24 / UG 462

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Effects on Average Bill by Rate Schedule	2
Basis for Revenue Related Costs	3
PGA Effects on Revenue	4
Summary of Renewables Deferred Accounts Included in the PGA	5
151928 Lexington RNG Project Surcharge	6
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Determination of Cost of Service – Lexington	9
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NW Natural  
 Rates & Regulatory Affairs  
 UG 462 Compliance Filing  
 Calculation of Increments Allocated on the EQUAL CENT PER THERM BASIS  
 ALL VOLUMES IN THERMS

		Dakota City Cost of Service			Lexington Project Initial Costs			RNG Adjustment Mechanism Deferral			Lexington Sharing Mechanism			Lexington Cost of Service		
		2,065,374 Temporary Increment			468,719 Permanent Increment			381,058 Permanent Increment			(157,207) Permanent Increment			2,074,875 Permanent Increment		
		N/A, rev sensitive factor is built in			N/A, rev sensitive factor is built in			2.819% add revenue sensitive factor			2.819% add revenue sensitive factor			N/A, rev sensitive factor is built in		
4		Column F	Amount to Amortize:	2,065,374	to all classes and schedules (including SC)	468,719	to all classes and schedules (including SC)	392,111	to all classes and schedules (including SC)	(161,767)	to all classes and schedules (including SC)	2,074,875	to all classes and schedules (including SC)			
5	Schedule	Block	A	Multiplier	Volumes	Increment	Multiplier	Volumes	Increment	Multiplier	Volumes	Increment	Multiplier	Volumes	Increment	
6	2R		425,261,320	1.0	425,261,320	\$0.00186	1.0	425,261,320	\$0.00042	1.0	425,261,320	(\$0.00035)	1.0	425,261,320	\$0.00187	
7	3C Firm Sales		180,723,276	1.0	180,723,276	\$0.00186	1.0	180,723,276	\$0.00042	1.0	180,723,276	(\$0.00035)	1.0	180,723,276	\$0.00187	
8	3I Firm Sales		5,242,606	1.0	5,242,606	\$0.00186	1.0	5,242,606	\$0.00042	1.0	5,242,606	(\$0.00035)	1.0	5,242,606	\$0.00187	
9	27 Dry Out		790,225	1.0	790,225	\$0.00186	1.0	790,225	\$0.00042	1.0	790,225	(\$0.00035)	1.0	790,225	\$0.00187	
10	31C Firm Sales	Block 1	10,541,198	1.0	10,541,198	\$0.00186	1.0	10,541,198	\$0.00042	1.0	10,541,198	(\$0.00035)	1.0	10,541,198	\$0.00187	
11		Block 2	11,528,162	1.0	11,528,162	\$0.00186	1.0	11,528,162	\$0.00042	1.0	11,528,162	(\$0.00035)	1.0	11,528,162	\$0.00187	
12	31C Firm Trans	Block 1	1,150,855	1.0	1,150,855	\$0.00186	1.0	1,150,855	\$0.00042	1.0	1,150,855	(\$0.00035)	1.0	1,150,855	\$0.00187	
13		Block 2	1,621,395	1.0	1,621,395	\$0.00186	1.0	1,621,395	\$0.00042	1.0	1,621,395	(\$0.00035)	1.0	1,621,395	\$0.00187	
14	31I Firm Sales	Block 1	3,851,855	1.0	3,851,855	\$0.00186	1.0	3,851,855	\$0.00042	1.0	3,851,855	(\$0.00035)	1.0	3,851,855	\$0.00187	
15		Block 2	8,832,261	1.0	8,832,261	\$0.00186	1.0	8,832,261	\$0.00042	1.0	8,832,261	(\$0.00035)	1.0	8,832,261	\$0.00187	
16	31I Firm Trans	Block 1	153,988	1.0	153,988	\$0.00186	1.0	153,988	\$0.00042	1.0	153,988	(\$0.00035)	1.0	153,988	\$0.00187	
17		Block 2	363,573	1.0	363,573	\$0.00186	1.0	363,573	\$0.00042	1.0	363,573	(\$0.00035)	1.0	363,573	\$0.00187	
18	32C Firm Sales	Block 1	31,802,850	1.0	31,802,850	\$0.00186	1.0	31,802,850	\$0.00042	1.0	31,802,850	(\$0.00035)	1.0	31,802,850	\$0.00187	
19		Block 2	10,782,597	1.0	10,782,597	\$0.00186	1.0	10,782,597	\$0.00042	1.0	10,782,597	(\$0.00035)	1.0	10,782,597	\$0.00187	
20		Block 3	2,237,041	1.0	2,237,041	\$0.00186	1.0	2,237,041	\$0.00042	1.0	2,237,041	(\$0.00035)	1.0	2,237,041	\$0.00187	
21		Block 4	1,038,828	1.0	1,038,828	\$0.00186	1.0	1,038,828	\$0.00042	1.0	1,038,828	(\$0.00035)	1.0	1,038,828	\$0.00187	
22		Block 5	30,626	1.0	30,626	\$0.00186	1.0	30,626	\$0.00042	1.0	30,626	(\$0.00035)	1.0	30,626	\$0.00187	
23		Block 6	0	1.0	0	\$0.00186	1.0	0	\$0.00042	1.0	0	(\$0.00035)	1.0	0	\$0.00187	
24	32I Firm Sales	Block 1	7,308,477	1.0	7,308,477	\$0.00186	1.0	7,308,477	\$0.00042	1.0	7,308,477	(\$0.00035)	1.0	7,308,477	\$0.00187	
25		Block 2	7,116,901	1.0	7,116,901	\$0.00186	1.0	7,116,901	\$0.00042	1.0	7,116,901	(\$0.00035)	1.0	7,116,901	\$0.00187	
26		Block 3	2,428,784	1.0	2,428,784	\$0.00186	1.0	2,428,784	\$0.00042	1.0	2,428,784	(\$0.00035)	1.0	2,428,784	\$0.00187	
27		Block 4	1,682,852	1.0	1,682,852	\$0.00186	1.0	1,682,852	\$0.00042	1.0	1,682,852	(\$0.00035)	1.0	1,682,852	\$0.00187	
28		Block 5	210,463	1.0	210,463	\$0.00186	1.0	210,463	\$0.00042	1.0	210,463	(\$0.00035)	1.0	210,463	\$0.00187	
29		Block 6	0	1.0	0	\$0.00186	1.0	0	\$0.00042	1.0	0	(\$0.00035)	1.0	0	\$0.00187	
30	32C Firm Trans	Block 1	2,586,658	1.0	2,586,658	\$0.00186	1.0	2,586,658	\$0.00042	1.0	2,586,658	(\$0.00035)	1.0	2,586,658	\$0.00187	
31		Block 2	2,000,143	1.0	2,000,143	\$0.00186	1.0	2,000,143	\$0.00042	1.0	2,000,143	(\$0.00035)	1.0	2,000,143	\$0.00187	
32		Block 3	713,689	1.0	713,689	\$0.00186	1.0	713,689	\$0.00042	1.0	713,689	(\$0.00035)	1.0	713,689	\$0.00187	
33		Block 4	908,192	1.0	908,192	\$0.00186	1.0	908,192	\$0.00042	1.0	908,192	(\$0.00035)	1.0	908,192	\$0.00187	
34		Block 5	22,758	1.0	22,758	\$0.00186	1.0	22,758	\$0.00042	1.0	22,758	(\$0.00035)	1.0	22,758	\$0.00187	
35		Block 6	0	1.0	0	\$0.00186	1.0	0	\$0.00042	1.0	0	(\$0.00035)	1.0	0	\$0.00187	
36	32I Firm Trans	Block 1	11,491,095	1.0	11,491,095	\$0.00186	1.0	11,491,095	\$0.00042	1.0	11,491,095	(\$0.00035)	1.0	11,491,095	\$0.00187	
37		Block 2	16,722,073	1.0	16,722,073	\$0.00186	1.0	16,722,073	\$0.00042	1.0	16,722,073	(\$0.00035)	1.0	16,722,073	\$0.00187	
38		Block 3	10,683,887	1.0	10,683,887	\$0.00186	1.0	10,683,887	\$0.00042	1.0	10,683,887	(\$0.00035)	1.0	10,683,887	\$0.00187	
39		Block 4	22,101,234	1.0	22,101,234	\$0.00186	1.0	22,101,234	\$0.00042	1.0	22,101,234	(\$0.00035)	1.0	22,101,234	\$0.00187	
40		Block 5	23,116,595	1.0	23,116,595	\$0.00186	1.0	23,116,595	\$0.00042	1.0	23,116,595	(\$0.00035)	1.0	23,116,595	\$0.00187	
41		Block 6	7,997,925	1.0	7,997,925	\$0.00186	1.0	7,997,925	\$0.00042	1.0	7,997,925	(\$0.00035)	1.0	7,997,925	\$0.00187	
42	32C Inter Sales	Block 1	4,812,286	1.0	4,812,286	\$0.00186	1.0	4,812,286	\$0.00042	1.0	4,812,286	(\$0.00035)	1.0	4,812,286	\$0.00187	
43		Block 2	6,912,175	1.0	6,912,175	\$0.00186	1.0	6,912,175	\$0.00042	1.0	6,912,175	(\$0.00035)	1.0	6,912,175	\$0.00187	
44		Block 3	3,915,818	1.0	3,915,818	\$0.00186	1.0	3,915,818	\$0.00042	1.0	3,915,818	(\$0.00035)	1.0	3,915,818	\$0.00187	
45		Block 4	6,195,667	1.0	6,195,667	\$0.00186	1.0	6,195,667	\$0.00042	1.0	6,195,667	(\$0.00035)	1.0	6,195,667	\$0.00187	
46		Block 5	3,369,903	1.0	3,369,903	\$0.00186	1.0	3,369,903	\$0.00042	1.0	3,369,903	(\$0.00035)	1.0	3,369,903	\$0.00187	
47		Block 6	0	1.0	0	\$0.00186	1.0	0	\$0.00042	1.0	0	(\$0.00035)	1.0	0	\$0.00187	
48	32I Inter Sales	Block 1	4,976,544	1.0	4,976,544	\$0.00186	1.0	4,976,544	\$0.00042	1.0	4,976,544	(\$0.00035)	1.0	4,976,544	\$0.00187	
49		Block 2	6,358,575	1.0	6,358,575	\$0.00186	1.0	6,358,575	\$0.00042	1.0	6,358,575	(\$0.00035)	1.0	6,358,575	\$0.00187	
50		Block 3	3,824,879	1.0	3,824,879	\$0.00186	1.0	3,824,879	\$0.00042	1.0	3,824,879	(\$0.00035)	1.0	3,824,879	\$0.00187	
51		Block 4	11,455,866	1.0	11,455,866	\$0.00186	1.0	11,455,866	\$0.00042	1.0	11,455,866	(\$0.00035)	1.0	11,455,866	\$0.00187	
52		Block 5	6,274,793	1.0	6,274,793	\$0.00186	1.0	6,274,793	\$0.00042	1.0	6,274,793	(\$0.00035)	1.0	6,274,793	\$0.00187	
53		Block 6	1,589,833	1.0	1,589,833	\$0.00186	1.0	1,589,833	\$0.00042	1.0	1,589,833	(\$0.00035)	1.0	1,589,833	\$0.00187	
54	32C Inter Trans	Block 1	787,487	1.0	787,487	\$0.00186	1.0	787,487	\$0.00042	1.0	787,487	(\$0.00035)	1.0	787,487	\$0.00187	
55		Block 2	1,577,765	1.0	1,577,765	\$0.00186	1.0	1,577,765	\$0.00042	1.0	1,577,765	(\$0.00035)	1.0	1,577,765	\$0.00187	
56		Block 3	946,128	1.0	946,128	\$0.00186	1.0	946,128	\$0.00042	1.0	946,128	(\$0.00035)	1.0	946,128	\$0.00187	
57		Block 4	3,171,260	1.0	3,171,260	\$0.00186	1.0	3,171,260	\$0.00042	1.0	3,171,260	(\$0.00035)	1.0	3,171,260	\$0.00187	
58		Block 5	663,407	1.0	663,407	\$0.00186	1.0	663,407	\$0.00042	1.0	663,407	(\$0.00035)	1.0	663,407	\$0.00187	
59		Block 6	0	1.0	0	\$0.00186	1.0	0	\$0.00042	1.0	0	(\$0.00035)	1.0	0	\$0.00187	
60	32I Inter Trans	Block 1	6,332,023	1.0	6,332,023	\$0.00186	1.0	6,332,023	\$0.00042	1.0	6,332,023	(\$0.00035)	1.0	6,332,023	\$0.00187	
61		Block 2	10,799,708	1.0	10,799,708	\$0.00186	1.0	10,799,708	\$0.00042	1.0	10,799,708	(\$0.00035)	1.0	10,799,708	\$0.00187	
62		Block 3	7,423,918	1.0	7,423,918	\$0.00186	1.0	7,423,918	\$0.00042	1.0	7,423,918	(\$0.00035)	1.0	7,423,918	\$0.00187	
63		Block 4	17,235,563	1.0	17,235,563	\$0.00186	1.0	17,235,563	\$0.00042	1.0	17,235,563	(\$0.00035)	1.0	17,235,563	\$0.00187	
64		Block 5	38,975,154	1.0	38,975,154	\$0.00186	1.0	38,975,154	\$0.00042	1.0	38,975,154	(\$0.00035)	1.0	38,975,154	\$0.00187	
65		Block 6	98,124,177	1.0	98,124,177	\$0.00186	1.0	98,124,177	\$0.00042	1.0	98,124,177	(\$0.00035)	1.0	98,124,177	\$0.00187	
66	33		0	1.0	0	\$0.00186	1.0	0	\$0.00042	1.0	0	(\$0.00035)	1.0	0	\$0.00187	
67																



**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**  
**UG 462 Compliance Filing**  
**PGA Effects on Revenue**  
**UG 487: Renewable Natural Gas Adjustment Mechanism**

	<b>Including Revenue Sensitive Amount</b>
1	
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	<b><u>Permanent Increments</u></b>	
	<u>Removal of Current Permanent Increments</u>	
	Schedule 198 Amounts	(\$1,719,294)
	<u>Addition of Proposed Permanent Increments</u>	
	Schedule 198 Amounts	4,839,313
	<b>TOTAL OF ALL COMPONENTS OF RATE CHANGES</b>	<b><u><u>\$3,120,019</u></u></b>
	2022 Oregon Earnings Test Normalized Total Revenues	\$849,278,042
	Effect of this filing, as a percentage change (line 11 ÷ line 14)	0.37%

**NW Natural**  
**Rates & Regulatory Affairs**  
**UG 462 Compliance Filing**  
**Summary of Renewables Deferred Accounts Included in the PGA**

	<b>Account</b>	<b>Balance 6/30/2023</b>	<b>Jul-Oct Estimated Activity</b>	<b>Jul-Oct Interest</b>	<b>Estimated Balance 10/31/2023</b>	<b>Interest Rate During Amortization</b>	<b>Estimated Interest During Amortization</b>	<b>Total Estimated Amount for (Refund) or Collection</b>
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F1</b>	<b>F2</b>	<b>G</b>
					E = sum B thru D	5.13%		G = E + F2
7	<b>RENEWABLES ADJUSTMENT MECHANISM DEFERRALS</b>							
8								
9	151928 LEXINGTON PROJECT SURCHARGE	0	0	0	1,367,852	5.13%	38,306	1,406,158
10								Amortized over 3 years
11	151930 RNG ADJUSTMENT MECHANISM DEFERRAL							<b>468,719</b> per Order 22-437
12	Sales Customers	224,351	0	5,156	229,507			
13	Transportation Customers	96,604	0	2,220	98,824			
14	Special Contract Customers	41,395	0	951	42,346			
15	Total	362,349	0	8,328	370,677	5.13%	10,381	381,058
16								
17	151931 LEXINGTON MECHANISM SHARING							
18	Sales Customers	(128,783)	0	(2,960)	(131,743)			
19	Transportation Customers	(20,705)	0	(476)	(21,181)			
20	Special Contract Customers	0	0	0	0			
21	Total	(149,488)	0	(3,436)	(152,924)	5.13%	(4,283)	(157,207)

Company: Northwest Natural Gas Company  
 State: Oregon  
 Description: LEXINGTON RNG PROJECT SURCHARGE  
 Account Number: 151928  
 Docket: UG 435, Order 22-388

Month/Year	Note	Deferral	Transfers	Interest Rate	Interest	Activity	Balance
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	Beginning Balance						0.00
2	Jan-22			6.836%	-	0.00	0.00
3	Feb-22			6.836%	-	0.00	0.00
4	Mar-22			6.836%	-	0.00	0.00
5	Apr-22			6.836%	-	0.00	0.00
6	May-22			6.836%	-	0.00	0.00
7	Jun-22			6.836%	-	0.00	0.00
8	Jul-22			6.836%	-	0.00	0.00
9	Aug-22			6.836%	-	0.00	0.00
10	Sep-22			6.836%	-	0.00	0.00
11	Oct-22			6.836%	-	0.00	0.00
12	Nov-22			6.836%	-	0.00	0.00
13	Dec-22			6.836%	-	0.00	0.00
14	Jan-23			6.130%	-	0.00	0.00
15	Feb-23	881,091		6.130%	2,250.45	883,341.54	883,341.54
16	Mar-23			6.130%	4,512.40	4,512.40	887,853.94
17	Apr-23			6.130%	4,535.45	4,535.45	892,389.40
18	May-23			6.130%	4,558.62	4,558.62	896,948.02
19	Jun-23			6.130%	4,581.91	4,581.91	901,529.93
20	Jul-23			6.130%	4,605.32	4,605.32	906,135.24
21	Aug-23			6.130%	4,628.84	4,628.84	910,764.08
22	Sep-23			6.130%	4,652.49	4,652.49	915,416.57
23	Oct-23			6.130%	4,676.25	4,676.25	920,092.82
24							
25							
26							
27	As of 6/30/23	901,529.93					
28	Revenue Sensitive	34,893.62					
29	Return on investment	570,820					
30	Sharing (UI 451 mechanism)	<u>(139,392)</u>					
31	To amortize	<u>1,367,852.08</u>					





Company: Northwest Natural Gas Company  
 State: Oregon  
 Description: RNG Investment Deferral - Lexington Sharing  
 Account Number: 151931  
 Docket: UI 452, Order 22-211

Month/Year	Rates	Deferral	Transfers	Interest Rate	Interest	Activity	Balance
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	Nov-22	(6,025.77)		6.836%	(17.16)	(6,042.93)	(6,042.93)
2	Dec-22	(19,279.27)		6.836%	(89.34)	(19,368.61)	(25,411.54)
3	Jan-23	0.00		6.836%	(144.76)	(144.76)	(25,556.30)
4	Feb-23	0.00		6.836%	(145.59)	(145.59)	(25,701.89)
5	Mar-23	(50,959.75)		6.836%	(291.57)	(51,251.31)	(76,953.20)
6	Apr-23	0.00		6.836%	(438.38)	(438.38)	(77,391.58)
7	May-23	0.00		6.836%	(440.87)	(440.87)	(77,832.45)
8	Jun-23	(71,010.39)		6.836%	(645.65)	(71,656.03)	(149,488.48)
9	Jul-23			6.836%	(851.59)	(851.59)	(150,340.07)
10	Aug-23			6.836%	(856.44)	(856.44)	(151,196.51)
11	Sep-23			6.836%	(861.32)	(861.32)	(152,057.82)
12	Oct-23			6.836%	(866.22)	(866.22)	(152,924.05)
13		<u>(147,275.17)</u>			<u>(5,648.87)</u>		
14							
15							
16		<u>Sales</u>	<u>Transportation</u>	<u>Sp. Contracts</u>			
17		(21,800.15)	(3,504.89)				
18							
19							
20		(43,901.54)	(7,058.21)				
21							
22		-	-				
23		<u>(61,175.05)</u>	<u>(9,835.34)</u>				
24		(126,876.74)	(20,398.44)	-	(147,275.18)		
25		86.15%	13.85%				
26							
27	Interest allocation	(1,907)	(307)	-			
28	6/30/23 balance	(128,783)	(20,705)	-	(149,488)		
29	July - Oct 2023 interest	(2,960)	(476)	-			
30	10/31/23 balance	(131,743)	(21,181)	-	(152,924)		

**NW Natural**  
**Determination of Cost of Service**  
**UG 487 - Schedule 198 - Lexington RNG Year 2 Cost of Service**

1		<u>Year 2</u>
2		
3	Depreciation	324,878
4	O&M	905,109
5	Property Taxes	127,126
6		
7	Taxes on Equity Return	
8	State and Federal Income Taxes	142,608
9	Total Taxes	<u>142,608</u>
10		
11	Return on Rate Base	
12	Debt and Equity Return	<u>518,272</u>
13	Total Return	518,272
14		
15	Subtotal Cost of Service	2,017,993
16	Revenue Sensitive Items	<u>56,882</u>
17		
18	<b>Total Cost of Service - Annual</b>	<b><u><u>\$2,074,875</u></u></b>

<b>Combined Overall Tax Rate (OR &amp; Fed)</b>	27.004%		
<b>Property Tax Rate</b>	1.500%		
<b>Franchise Taxes</b>	2.299%		
<b>Commission Fee</b>	0.430%	2.819%	'--> (rev sens rate)
<b>Uncollectible Rate</b>	0.090%		
		<b>Capital</b>	
		<b>Structure</b>	<b>Rates</b>
			<b>Post-Tax</b>
<b>Long-Term Debt</b>	50.000%	4.271%	2.136%
<b>Common Equity</b>	50.000%	9.400%	<u>4.700%</u>
<b>ROR</b>			6.836%
<b>Bonus Depreciation?</b>	<b>NO</b>	0%	--> At 0%, no bonus depreciation.
<b>Non-Bonus</b>		100%	

**NW Natural - Dakota City - UG 462 Stipulation**  
**Determination of Cost of Service**  
**Dakota City RNG Costs from Nov 2023 - Oct 2024**

**NW Natural/Exhibit 201**  
**Bourdo & Walker / Page 1**

	<u>Year 1</u>
Depreciation	416,718
O&M	849,898
Property Taxes	180,231
<b>Taxes on Equity Return</b>	
State and Federal Income Taxes	(230,950)
Total Taxes	(230,950)
<b>Return on Rate Base</b>	
Debt and Equity Return	792,870
Total Return	792,870
<b>Subtotal Cost of Service</b>	2,008,767
<b>Revenue Sensitive Items</b>	56,607
<b>Total Cost of Service - Annual</b>	<b><u><u>\$2,065,374</u></u></b>

<b>Combined Overall Tax Rate (OR &amp; Fed)</b>	27.004%		
<b>Property Tax Rate</b>	1.500%		
<b>Franchise Taxes</b>	2.291%		
<b>Commission Fee</b>	0.430%	2.818%	<i>'--&gt; (rev sens rate)</i>
<b>Uncollectible Rate</b>	0.097%		
	<b>Capital</b>		
	<b>Structure</b>	<b>Rates</b>	<b>Post-Tax</b>
<b>Long-Term Debt</b>	50.000%	4.271%	2.136%
<b>Common Equity</b>	50.000%	9.400%	4.700%
<b>ROR</b>			6.836%
<b>Bonus Depreciation?</b>	NO	0%	<i>--&gt; At 0%, no bonus depreciation.</i>
<b>Non-Bonus</b>		100%	