



Oregon

Tina Kotek, Governor

Public Utility Commission

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Salem, OR 97301-3398

Mailing Address: PO Box 1088

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503-373-7394

October 31, 2023



BY EMAIL

Northwest Natural Gas Company

efiling@nwnatural.com

RE: Advice No. 23-24

The tariff sheets in your October 19, 2023, compliance filing docketed in Docket No. UG 462, are accepted in compliance with Order No. 23-367. Attached is a receipted copy of the sheets in your compliance filing for your records.

/s/ Nolan Moser

Nolan Moser

Chief Administrative Law Judge

Public Utility Commission of Oregon

503-689-3622

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Fifteenth Revision of Sheet 2-1
Cancels Fourteenth 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, 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	---	---	---	---	\$8.00
Volumetric Charge (per therm):	\$0.68192	\$0.00435	\$0.10025	\$0.44732	\$0.06135	\$1.29519

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(continue to Sheet 2-2)

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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	
Commercial	\$0.55443	\$0.00435	\$0.10025	\$0.44732	(\$0.01882)	\$1.08753
Industrial	\$0.43754	\$0.00435	\$0.10025	\$0.44732	\$0.06884	\$1.05830
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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NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Twelfth Revision of Sheet 27-1
Cancels Eleventh 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, 2023

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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)	\$0.49444	\$0.00435	\$0.10025	\$0.44732	\$0.03969	\$1.08605

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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.

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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

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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	\$0.00435	\$0.44732	\$0.00500	\$0.75920
Block 2: All additional therms	\$0.27603	\$0.00435	\$0.44732	\$0.00328	\$0.73098
Pipeline Capacity Charge Options (select one):					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					\$0.10025
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					\$1.48
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	\$0.00435		\$0.01874	\$0.29503
Block 2: All additional therms	\$0.24861	\$0.00435		\$0.01702	\$0.26998

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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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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):					\$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	\$0.00435	\$0.44732	\$0.06165	\$0.74421
Block 2: All additional therms	\$0.20815	\$0.00435	\$0.44732	\$0.06031	\$0.72013
Pipeline Capacity Charge Options (select one):					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					\$0.10025
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					\$1.48
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	\$0.00435		\$0.01499	\$0.25351
Block 2: All additional therms	\$0.21165	\$0.00435		\$0.01346	\$0.22946

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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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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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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: 1 st 10,000 therms	\$0.15884	\$0.00435	\$0.44732	\$0.06080	\$0.67131
Block 2: Next 20,000 therms	\$0.13408	\$0.00435	\$0.44732	\$0.05874	\$0.64449
Block 3: Next 20,000 therms	\$0.09297	\$0.00435	\$0.44732	\$0.05533	\$0.59997
Block 4: Next 100,000 therms	\$0.05171	\$0.00435	\$0.44732	\$0.05190	\$0.55528
Block 5: Next 600,000 therms	\$0.02207	\$0.00435	\$0.44732	\$0.04944	\$0.52318
Block 6: All additional therms	\$0.00802	\$0.00435	\$0.44732	\$0.04827	\$0.50796
32 ISF Volumetric Charges (per therm):					
Block 1: 1 st 10,000 therms	\$0.12308	\$0.00435	\$0.44732	\$0.05252	\$0.62727
Block 2: Next 20,000 therms	\$0.10391	\$0.00435	\$0.44732	\$0.05182	\$0.60740
Block 3: Next 20,000 therms	\$0.07188	\$0.00435	\$0.44732	\$0.05061	\$0.57416
Block 4: Next 100,000 therms	\$0.03995	\$0.00435	\$0.44732	\$0.04942	\$0.54104
Block 5: Next 600,000 therms	\$0.01766	\$0.00435	\$0.44732	\$0.04858	\$0.51791
Block 6: All additional therms	\$0.00644	\$0.00435	\$0.44732	\$0.04817	\$0.50628
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):					\$0.10025
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV per month):					\$1.48

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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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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):					\$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	\$0.00435	\$0.44732	\$0.05827	\$0.64462
Block 2: Next 20,000 therms	\$0.11371	\$0.00435	\$0.44732	\$0.05712	\$0.62250
Block 3: Next 20,000 therms	\$0.07871	\$0.00435	\$0.44732	\$0.05519	\$0.58557
Block 4: Next 100,000 therms	\$0.04369	\$0.00435	\$0.44732	\$0.05325	\$0.54861
Block 5: Next 600,000 therms	\$0.02268	\$0.00435	\$0.44732	\$0.05209	\$0.52644
Block 6: All additional therms	\$0.00732	\$0.00435	\$0.44732	\$0.05124	\$0.51023
Interruptible Pipeline Capacity Charge (per therm):					\$0.01193
32 ISI Volumetric Charges (per therm):					
Block 1: 1 st 10,000 therms	\$0.12033	\$0.00435	\$0.44732	\$0.05593	\$0.62793
Block 2: Next 20,000 therms	\$0.10158	\$0.00435	\$0.44732	\$0.05521	\$0.60846
Block 3: Next 20,000 therms	\$0.07031	\$0.00435	\$0.44732	\$0.05398	\$0.57596
Block 4: Next 100,000 therms	\$0.03902	\$0.00435	\$0.44732	\$0.05278	\$0.54347
Block 5: Next 600,000 therms	\$0.02025	\$0.00435	\$0.44732	\$0.05204	\$0.52396
Block 6: All additional therms	\$0.00651	\$0.00435	\$0.44732	\$0.05150	\$0.50968
Interruptible Pipeline Capacity Charge (per therm):					\$0.01193

[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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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.

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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	\$0.00435		\$0.00423	\$0.13325
Block 2: Next 20,000 therms	\$0.10593	\$0.00435		\$0.00338	\$0.11366
Block 3: Next 20,000 therms	\$0.07481	\$0.00435		\$0.00198	\$0.08114
Block 4: Next 100,000 therms	\$0.04364	\$0.00435		\$0.00058	\$0.04857
Block 5: Next 600,000 therms	\$0.02491	\$0.00435		(\$0.00027)	\$0.02899
Block 6: All additional therms	\$0.01250	\$0.00435		(\$0.00084)	\$0.01601
Industrial					
Block 1: 1 st 10,000 therms	\$0.12249	\$0.00435		\$0.00345	\$0.13029
Block 2: Next 20,000 therms	\$0.10411	\$0.00435		\$0.00279	\$0.11125
Block 3: Next 20,000 therms	\$0.07349	\$0.00435		\$0.00169	\$0.07953
Block 4: Next 100,000 therms	\$0.04290	\$0.00435		\$0.00058	\$0.04783
Block 5: Next 600,000 therms	\$0.02448	\$0.00435		(\$0.00009)	\$0.02874
Block 6: All additional therms	\$0.01230	\$0.00435		(\$0.00052)	\$0.01613
Firm Service Distribution Capacity Charge (per therm of MDDV per month):					\$0.15748

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INTERRUPTIBLE TRANSPORTATION SERVICE CHARGES (32 CTI or ITI) [3]:					
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	\$0.00435		\$0.00240	\$0.12471
Block 2: Next 20,000 therms	\$0.10027	\$0.00435		\$0.00183	\$0.10645
Block 3: Next 20,000 therms	\$0.07079	\$0.00435		\$0.00087	\$0.07601
Block 4: Next 100,000 therms	\$0.04129	\$0.00435		(\$0.00007)	\$0.04557
Block 5: Next 600,000 therms	\$0.02360	\$0.00435		(\$0.00065)	\$0.02730
Block 6: All additional therms	\$0.01184	\$0.00435		(\$0.00102)	\$0.01517
Industrial					
Block 1: 1 st 10,000 therms	\$0.11801	\$0.00435		\$0.00307	\$0.12543
Block 2: Next 20,000 therms	\$0.10031	\$0.00435		\$0.00247	\$0.10713
Block 3: Next 20,000 therms	\$0.07082	\$0.00435		\$0.00145	\$0.07662
Block 4: Next 100,000 therms	\$0.04130	\$0.00435		\$0.00045	\$0.04610
Block 5: Next 600,000 therms	\$0.02362	\$0.00435		(\$0.00016)	\$0.02781
Block 6: All additional therms	\$0.01184	\$0.00435		(\$0.00056)	\$0.01563

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[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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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.

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

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

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[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.

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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

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

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

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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	FIRM SALES	
		Commercial	
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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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)			(T)
	Block 3	(\$0.00027)	(\$0.00017)			(R)(R)
	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) (R)(R)
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) (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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Eighth Revision of Sheet 100-4
Cancels Seventh Revision of Sheet 100-4

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	INTERRUPTIBLE SALES		INTERRUPTIBLE TRANSPORT	
		Commercial	Industrial	Commercial	Industrial
Deferred Gas Cost Amortization (Schedule 162)	All Blocks	\$0.00362	\$0.00362		
Intervenor Funding (Schedule 172)	All Blocks		\$0.00044		\$0.00044
Transportation Customer Renewable Natural Gas Offtake Costs (Schedule 171)	All Blocks			(\$0.00147)	(\$0.00147)
Covid-19 Deferral (Schedule 173)	Block 1	\$0.00372	\$0.00119	\$0.00085	\$0.00087
	Block 2	\$0.00315	\$0.00101	\$0.00072	\$0.00074
	Block 3	\$0.00220	\$0.00070	\$0.00051	\$0.00052
	Block 4	\$0.00124	\$0.00040	\$0.00030	\$0.00031
	Block 5	\$0.00067	\$0.00022	\$0.00017	\$0.00018
	Block 6	\$0.00025	\$0.00008	\$0.00009	\$0.00009
Corporate Activity Tax (CAT) (Schedule 177)	Block 1	\$0.00037	\$0.00037	\$0.00007	\$0.00007
	Block 2	\$0.00036	\$0.00036	\$0.00006	\$0.00006
	Block 3	\$0.00034	\$0.00034	\$0.00004	\$0.00004
	Block 4	\$0.00033	\$0.00033	\$0.00003	\$0.00003
	Block 5	\$0.00032	\$0.00032	\$0.00002	\$0.00002
	Block 6	\$0.00031	\$0.00031	\$0.00001	\$0.00001
Regulatory Rate Adjustment (Schedule 178)	Block 1	\$0.00003	\$0.00003	\$0.00003	\$0.00003
	Block 2	\$0.00003	\$0.00003	\$0.00003	\$0.00003
	Block 3	\$0.00003	\$0.00003	\$0.00003	\$0.00003
	Block 4	\$0.00003	\$0.00003	\$0.00003	\$0.00003
	Block 5	\$0.00003	\$0.00003	\$0.00003	\$0.00003
	Block 6	\$0.00003	\$0.00003	\$0.00003	\$0.00003
TSA Security Directive 2 Compliance Costs (Schedule 180)	Block 1	\$0.00051	\$0.00050	\$0.00042	\$0.00045
	Block 2	\$0.00043	\$0.00042	\$0.00035	\$0.00038
	Block 3	\$0.00030	\$0.00030	\$0.00025	\$0.00027
	Block 4	\$0.00017	\$0.00017	\$0.00015	\$0.00016
	Block 5	\$0.00009	\$0.00009	\$0.00009	\$0.00009
	Block 6	\$0.00003	\$0.00003	\$0.00004	\$0.00005
Regulatory Fee (Schedule 181)	Block 1	\$0.00028	\$0.00027	\$0.00005	\$0.00005
	Block 2	\$0.00027	\$0.00027	\$0.00004	\$0.00004
	Block 3	\$0.00026	\$0.00025	\$0.00003	\$0.00003
	Block 4	\$0.00024	\$0.00024	\$0.00002	\$0.00002
	Block 5	\$0.00024	\$0.00024	\$0.00001	\$0.00001
	Block 6	\$0.00023	\$0.00023	\$0.00001	\$0.00001
Environmental Cost Recovery (Schedule 183)	Block 1	\$0.00296	\$0.00289	\$0.00240	\$0.00258
	Block 2	\$0.00251	\$0.00245	\$0.00205	\$0.00220
	Block 3	\$0.00175	\$0.00171	\$0.00145	\$0.00156
	Block 4	\$0.00099	\$0.00097	\$0.00085	\$0.00091
	Block 5	\$0.00053	\$0.00052	\$0.00049	\$0.00053
	Block 6	\$0.00020	\$0.00020	\$0.00026	\$0.00027
Industrial DSM (Schedule 188)	All Blocks	\$0.04655	\$0.04655		
TSA Security Directive (Schedule 189)	Block 1	\$0.00023	\$0.00007	\$0.00005	\$0.00005
	Block 2	\$0.00020	\$0.00006	\$0.00005	\$0.00005
	Block 3	\$0.00014	\$0.00004	\$0.00003	\$0.00003
	Block 4	\$0.00008	\$0.00003	\$0.00002	\$0.00002
	Block 5	\$0.00004	\$0.00001	\$0.00001	\$0.00001
	Block 6	\$0.00002	\$0.00001	\$0.00001	\$0.00001
Gas Reserve EDIT Amortization Credit (Schedule 196)	Block 1	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 2	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 3	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 4	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 5	\$0.00000	\$0.00000	\$0.00000	\$0.00000
	Block 6	\$0.00000	\$0.00000	\$0.00000	\$0.00000

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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)

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Twelfth Revision of Sheet 190-2
Cancels Eleventh 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
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.

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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

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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)

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NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

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

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

WARM BILL EFFECTS (continued):

Example Bill Calculation:

Here is 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 x 0.14942 = -7.4710 therms	
Total Warm Adjustment:	Equivalent therms:	-7.4710 therms	(I)
	Margin Rate:	\$0.68627	(R)
	Total WARM Adj.:	-7.4710 x \$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 x \$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.

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

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)
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(continue to Sheet 198-2)

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