

**ONITA R. KING**  
Rates & Regulatory Affairs  
Tel: 503.721.2452  
Fax: 503.721.2516  
email: ork@nwnatural.com



September 15, 2014

NWN OPUC Advice No. 14-19

**VIA ELECTRONIC FILING**

Public Utility Commission of Oregon  
3930 Fairview Industrial Park Drive SE  
Post Office Box 1088  
Salem, Oregon 97308-1088

Attn: Filing Center

**Re: Combined Effects of:**  
UG 277: NWN OPUC Advice No. 14-9  
UG 276: NWN OPUC Advice No. 14-10  
UG 275: NWN OPUC Advice No. 14-11  
UG 274: NWN OPUC Advice No. 14-12  
UG 273: NWN OPUC Advice No. 14-13  
UG 272: NWN OPUC Advice No. 14-14A  
UG 271: NWN OPUC Advice No. 14-15  
UG 270: NWN OPUC Advice No. 14-17  
UG 278: NWN OPUC Advice No. 14-16

Northwest Natural Gas Company, dba NW Natural (“NW Natural” or the “Company”), files herewith revisions to its Tariff, P.U.C. Or. 25, stated to become effective with service on and after November 1, 2014, as follows:

Second Revision of Sheet 2-1,  
Rate Schedule 2,  
“Residential Sales Service;”

Second Revision of Sheet 3-4,  
Rate Schedule 3,  
“Basic Firm Sales Service – Non-Residential (continued),”

Second Revision of Sheet 27-1,  
Rate Schedule 27,  
“Residential Heating Dry-Out Service,”

Second Revision of Sheet 31-11,  
Rate Schedule 31,  
“Non-Residential Firm Sales and Firm Transportation Service (continued),”

Second Revision of Sheet 31-12,  
Rate Schedule 32,  
“Non-Residential Firm Sales and Firm Transportation Service (continued),”

Second Revision of Sheet 32-12,  
Rate Schedule 32,  
“Large Volume Non-Residential Sales and Transportation Service (continued),”

Third Revision of Sheet 32-13,  
Rate Schedule 32,  
“Large Volume Non-Residential Sales and Transportation Service (continued),”

Second Revision of Sheet 32-14,  
Rate Schedule 32,  
“Large Volume Non-Residential Sales and Transportation Service (continued),”

Second Revision of Sheet 33-8,  
Rate Schedule 33,  
“High Volume Non-Residential Firm and Interruptible Transportation Service  
(continued),”

Fourth Revision of Sheet 162-1,  
Schedule 162,  
“Temporary (Technical) Adjustments to Rates”

Fourth Revision of Sheet 162-2,  
Schedule 162,  
“Temporary (Technical) Adjustments to Rates (continued)”

Second Revision of Sheet 190-2,  
Schedule 190,  
“Partial Decoupling Mechanism (continued),”

Second Revision of Sheet 195-4,  
Schedule 195,  
“Weather Adjusted Rate Mechanism (WARM Program) (continued),” and

Second Revision of Sheet 195-5,  
Schedule 195,  
“Weather Adjusted Rate Mechanism (WARM Program) (continued).”

The purpose of this filing is to revise the Company’s Tariff Rate Schedules to reflect the combined effects of changes to rates proposed under the above-referenced filings.

The number of customers affected by the changes proposed in this filing is 563,128 residential customers, 59,490 commercial customers, and 620 industrial customers.

The net effect of the changes to rates associated with all of the referenced filings combined is to increase the Company’s annual revenues by \$23,048,122 (including revenue sensitive effects).

The average monthly bill impact of the combined changes to rates is shown in the table below:

Class	Rate Schedule	Average Monthly Bill Change (\$)	Average Monthly Bill Change (%)
Residential	Schedule 2	\$1.06	1.7%
Commercial	Schedule 3	\$9.54	4.2%
Commercial Firm Sales	Schedule 31	\$228.85	9.1%
Industrial Firm Sales	Schedule 32	\$1,145.16	11.1%
Industrial Interruptible Sales	Schedule 32	\$2,626.20	12.8%

The monthly bill effects for all other rate classes can be found in Exhibit A to this filing.

Please note that the monthly bill effects for Rate Schedule 31 and Rate Schedule 32 do not include the effect of changes in the pipeline capacity charge due to the customer option to elect either an MDDV-based capacity charge or a volumetric-based capacity charge. If, for instance, a customer served under Rate Schedule 32 Industrial Firm Sales Service elected the volumetric pipeline capacity option, the change in the monthly bill effective November 1, 2014 would be \$692.38 or 6.7%

The Company requests that the tariff sheets filed herewith be permitted to become effective with service on and after November 1, 2014.

Copies of this letter and the filing made herewith are available in the Company's main office in Oregon and on its website at [www.nwnatural.com](http://www.nwnatural.com).

Please address correspondence on this matter to me at [ork@nwnatural.com](mailto:ork@nwnatural.com), with copies to the following:

eFiling  
Rates & Regulatory Affairs  
NW Natural  
220 NW Second Avenue  
Portland, Oregon 97209  
Telecopier: (503) 721-2516  
Telephone: (503) 226-4211 x3589  
[eFiling@nwnatural.com](mailto:eFiling@nwnatural.com)

Cristan Kelley, Rate Analyst  
Rates & Regulatory Affairs  
NW Natural  
220 NW Second Avenue  
Portland, Oregon 97209  
Telecopier: (503) 721-2516  
Telephone: (503) 226-4211, x3582  
[cristan.kelley@nwnatural.com](mailto:cristan.kelley@nwnatural.com)

Sincerely,  
NW NATURAL

*/s/ Onita R. King*

Onita R. King  
Rates & Regulatory Affairs

Attachments: Exhibit A – Supporting Materials

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Second Revision of Sheet 2-1  
Cancels First Revision of Sheet 2-1

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## RATE SCHEDULE 2 RESIDENTIAL SALES SERVICE

### AVAILABLE:

To Residential 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-fired equipment used in Residential dwellings that provide complete family living facilities in which the occupant normally cooks, eats, sleeps, and carries on the household operations incident to Domestic life.

**MONTHLY RATE:** Effective: November 1, 2014

(T)

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **Schedule 100** for a list of applicable 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**.

	Base Rate	Base Adjustment	Pipeline Capacity	Commodity	Temporary Adjustment	Total Billing
Customer Charge:	\$8.00	---	---	---	---	<b>\$8.00</b>
Volumetric Charge (per therm):	\$0.42565	\$0.00762	\$0.12239	\$0.43383	\$0.02381	<b>\$1.01330</b>

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

(continue to Sheet 2-2)

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# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Second Revision of Sheet 3-4  
Cancels First Revision of Sheet 3-4

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

**MONTHLY RATE:** Effective: November 1, 2014

(T)

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **Schedule 100** for a list of applicable 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**.

<b>FIRM SALES SERVICE CHARGES: (03CSF and 03ISF)</b>						<b>Billing Rates [1]</b>
<b>Customer Charge (per month):</b>						<b>\$15.00</b>
Volumetric Charges (per therm):	Base Rate	Base Adjustment	Pipeline Capacity	Commodity Component [2]	Temporary Adjustment	
<b>Commercial</b>	\$0.33983	\$0.00625	\$0.12239	\$0.43383	\$0.05288	<b>\$0.95518</b>
<b>Industrial</b>	\$0.33401	\$0.00276	\$0.12239	\$0.43383	\$0.03900	<b>\$0.93199</b>
<b>Standby Charge (per therm of MHDV) [3]:</b>						<b>\$10.00</b>

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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

**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

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Second Revision of Sheet 27-1  
Cancels First 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, 2014

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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 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:	\$6.00	---	---	---	---	<b>\$6.00</b>
Volumetric Charge (per therm)						
All therms	\$0.32303	\$0.00670	\$0.12239	\$0.43383	\$0.02332	<b>\$0.90927</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.

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# NORTHWEST NATURAL GAS COMPANY

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Second Revision of Sheet 31-11  
 Cancels First 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, 2014**

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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 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**.

<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	\$0.20233	\$0.00542	\$0.43383	\$0.05295	<b>\$0.69453</b>
Block 2: All additional therms	\$0.18460	\$0.00521	\$0.43383	\$0.05298	<b>\$0.67662</b>
<b>Pipeline Capacity Charge Options (select one):</b>					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					<b>\$0.12239</b>
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					<b>\$1.82</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	\$0.16833	\$0.00548		\$(0.00072)	<b>\$0.17309</b>
Block 2: All additional therms	\$0.15359	\$0.00527		\$(0.00071)	<b>\$0.15815</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, 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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Second Revision of Sheet 31-12  
Cancels First 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, 2014**

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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 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	\$0.16313	\$0.00174	\$0.43383	\$0.03909	<b>\$0.63779</b>
Block 2: All additional therms	\$0.14740	\$0.00157	\$0.43383	\$0.03911	<b>\$0.62191</b>
<b>Pipeline Capacity Charge Options (select one):</b>					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					<b>\$0.12239</b>
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					<b>\$1.82</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	\$0.15816	\$0.00174		\$(0.00002)	<b>\$0.15988</b>
Block 2: All additional therms	\$0.14293	\$0.00158		\$(0.00001)	<b>\$0.14450</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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Second Revision of Sheet 32-12  
 Cancels First Revision of Sheet 32-12

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

**MONTHLY RATES:**

**Effective: November 1, 2014**

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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 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 [1]:					Billing Rates
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	\$0.09478	\$0.00143	\$0.43383	\$0.03903	<b>\$0.56907</b>
Block 2: Next 20,000 therms	\$0.08056	\$0.00120	\$0.43383	\$0.03906	<b>\$0.55465</b>
Block 3: Next 20,000 therms	\$0.05689	\$0.00085	\$0.43383	\$0.03907	<b>\$0.53064</b>
Block 4: Next 100,000 therms	\$0.03319	\$0.00050	\$0.43383	\$0.03911	<b>\$0.50663</b>
Block 5: Next 600,000 therms	\$0.01898	\$0.00028	\$0.43383	\$0.03912	<b>\$0.49221</b>
Block 6: All additional therms	\$0.00949	\$0.00014	\$0.43383	\$0.03915	<b>\$0.48261</b>
<b>32 ISF Volumetric Charges (per therm):</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.09407	\$0.00108	\$0.43383	\$0.03916	<b>\$0.56814</b>
Block 2: Next 20,000 therms	\$0.07996	\$0.00092	\$0.43383	\$0.03918	<b>\$0.55389</b>
Block 3: Next 20,000 therms	\$0.05645	\$0.00064	\$0.43383	\$0.03921	<b>\$0.53013</b>
Block 4: Next 100,000 therms	\$0.03293	\$0.00038	\$0.43383	\$0.03922	<b>\$0.50636</b>
Block 5: Next 600,000 therms	\$0.01881	\$0.00021	\$0.43383	\$0.03925	<b>\$0.49210</b>
Block 6: All additional therms	\$0.00945	\$0.00011	\$0.43383	\$0.03924	<b>\$0.48263</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>\$0.12239</b>
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV per month):					<b>\$1.82</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.

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Third Revision of Sheet 32-13  
Cancels Second Revision of Sheet 32-13

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

### MONTHLY RATES (continued):

**Effective: November 1, 2014**

(T)

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **SCHEDULE 100** for a list of applicable 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**

<b>INTERRUPTIBLE SALES SERVICE CHARGES [1][4]:</b>					<b>Billing Rates</b>
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	\$0.09712	\$0.00099	\$0.43383	\$0.04615	\$0.57809
Block 2: Next 20,000 therms	\$0.08256	\$0.00085	\$0.43383	\$0.04615	\$0.56339
Block 3: Next 20,000 therms	\$0.05827	\$0.00060	\$0.43383	\$0.04619	\$0.53889
Block 4: Next 100,000 therms	\$0.03400	\$0.00035	\$0.43383	\$0.04620	\$0.51438
Block 5: Next 600,000 therms	\$0.01941	\$0.00020	\$0.43383	\$0.04623	\$0.49967
Block 6: All additional therms	\$0.00974	\$0.00010	\$0.43383	\$0.04622	\$0.48989
Interruptible Pipeline Capacity Charge (per therm):					<b>\$0.01455</b>
<b>32 ISI Volumetric Charges (per therm):</b>					
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.09707	\$0.00099	\$0.43383	\$0.04626	\$0.57815
Block 2: Next 20,000 therms	\$0.08251	\$0.00085	\$0.43383	\$0.04626	\$0.56345
Block 3: Next 20,000 therms	\$0.05824	\$0.00059	\$0.43383	\$0.04629	\$0.53895
Block 4: Next 100,000 therms	\$0.03398	\$0.00034	\$0.43383	\$0.04630	\$0.51445
Block 5: Next 600,000 therms	\$0.01941	\$0.00020	\$0.43383	\$0.04633	\$0.49977
Block 6: All additional therms	\$0.00972	\$0.00010	\$0.43383	\$0.04632	\$0.48997
Interruptible Pipeline Capacity Charge (per therm):					<b>\$0.01455</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.

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Second Revision of Sheet 32-14  
Cancels First Revision of Sheet 32-14

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

**MONTHLY RATES (continued):**

**Effective: November 1, 2014**

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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 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.

<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]	
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.09385	\$0.00099		\$0.00004	<b>\$0.09488</b>
Block 2: Next 20,000 therms	\$0.07975	\$0.00085		\$0.00004	<b>\$0.08064</b>
Block 3: Next 20,000 therms	\$0.05632	\$0.00059		\$0.00006	<b>\$0.05697</b>
Block 4: Next 100,000 therms	\$0.03286	\$0.00034		\$0.00007	<b>\$0.03327</b>
Block 5: Next 600,000 therms	\$0.01877	\$0.00020		\$0.00009	<b>\$0.01906</b>
Block 6: All additional therms	\$0.00941	\$0.00010		\$0.00008	<b>\$0.00959</b>
Firm Service Distribution Capacity Charge (per therm of MDDV per month):					<b>\$0.15748</b>
<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		Temporary Adjustments [2]	
Block 1: 1 <sup>st</sup> 10,000 therms	\$0.09528	\$0.00088		\$0.00004	<b>\$0.09620</b>
Block 2: Next 20,000 therms	\$0.08099	\$0.00075		\$0.00005	<b>\$0.08179</b>
Block 3: Next 20,000 therms	\$0.05718	\$0.00053		\$0.00006	<b>\$0.05777</b>
Block 4: Next 100,000 therms	\$0.03335	\$0.00031		\$0.00007	<b>\$0.03373</b>
Block 5: Next 600,000 therms	\$0.01907	\$0.00017		\$0.00009	<b>\$0.01933</b>
Block 6: All additional therms	\$0.00955	\$0.00010		\$0.00010	<b>\$0.00975</b>

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

Issued September 15, 2014  
NWN OPUC Advice No. 14-19

Effective with service on  
and after November 1, 2014

**NORTHWEST NATURAL GAS COMPANY**

P.U.C. Or. 25

Second Revision of Sheet 33-8  
Cancels First Revision of Sheet 33-8

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

**MONTHLY RATE:**

Effective: November 1, 2014

(T)

The rates shown below may not always reflect actual billing rates. See **Schedule 100** for a list of applicable 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:		\$0.00548	\$0.00006	\$0.00000	<b>\$0.00554</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> .					

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<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:		\$0.00548	\$0.00006	\$0.00000	<b>\$0.00554</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> .					

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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.

Issued September 15, 2014  
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Effective with service on  
and after November 1, 2014

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Fourth Revision of Sheet 162-1  
Cancels Third Revision of Sheet 162-1

## SCHEDULE 162 TEMPORARY (TECHNICAL) ADJUSTMENTS TO RATES

**PURPOSE:**

To identify adjustments to rates in the Rate Schedules listed below that relate to the amortization of balances in all of the Company's conventional deferred revenue and gas cost accounts, Accounts 186 and 191, respectively.

**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

**APPLICATION TO RATE SCHEDULES:**

Effective: November 1, 2014

(T)

The Total Adjustment amount shown below is included in the Temporary Adjustments reflected in the above-listed Rate Schedules. NO ADDITIONAL ADJUSTMENT TO RATES IS REQUIRED.

Schedule	Block	Account 191 Commodity Adjustment [1]	Account 191 Pipeline Capacity Adjustment	Account 186 Net Adjustments [2]	Total Temporary Adjustment
2		\$0.03217	\$(0.00804)	\$(0.00032)	<b>\$0.02381</b>
3 CSF		\$0.03219	\$(0.00804)	\$0.02873	<b>\$0.05288</b>
3 ISF		\$0.03220	\$(0.00804)	\$0.01484	<b>\$0.03900</b>
27		\$0.03218	\$(0.00804)	\$(0.00082)	<b>\$0.02332</b>
31 CSF	Block 1	\$0.03221	\$(0.00804)	\$0.02878	<b>\$0.05295</b>
	Block 2	\$0.03222	\$(0.00804)	\$0.02880	<b>\$0.05298</b>
31 CTF	Block 1	N/A	N/A	\$(0.00072)	<b>\$(0.00072)</b>
	Block 2	N/A	N/A	\$(0.00071)	<b>\$(0.00071)</b>
31 ISF	Block 1	\$0.03222	\$(0.00804)	\$0.01491	<b>\$0.03909</b>
	Block 2	\$0.03223	\$(0.00804)	\$0.01492	<b>\$0.03911</b>
31 ITF	Block 1	N/A	N/A	\$(0.00002)	<b>\$(0.00002)</b>
	Block 2	N/A	N/A	\$(0.00001)	<b>\$(0.00001)</b>

(C)

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[1] Includes the temporary adjustment identified in Schedule 180.

[2] The sum of the temporary adjustments identified in Schedules 172, 177, 178, 179, 183, 188, & 190.

(continue to Sheet 162-2)

Issued September 15, 2014  
NWN OPUC Advice No. 14-19

Effective with service on  
and after November 1, 2014

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Fourth Revision of Sheet 162-2  
Cancels Third Revision of Sheet 162-2

## SCHEDULE 162 TEMPORARY (TECHNICAL) ADJUSTMENTS TO RATES (continued)

**APPLICATION TO RATE SCHEDULES (continued):**

Effective: November 1, 2014

(T)

Schedule	Block	Account 191 Commodity Adjustment [1]	Account 191 Pipeline Capacity Adjustment	Account 186 Net Adjustments [2]	Total Temporary Adjustment
32 CSF	Block 1	\$0.03223	\$(0.00804)	\$0.01484	<b>\$0.03903</b>
	Block 2	\$0.03224	\$(0.00804)	\$0.01486	<b>\$0.03906</b>
	Block 3	\$0.03224	\$(0.00804)	\$0.01487	<b>\$0.03907</b>
	Block 4	\$0.03225	\$(0.00804)	\$0.01490	<b>\$0.03911</b>
	Block 5	\$0.03225	\$(0.00804)	\$0.01491	<b>\$0.03912</b>
	Block 6	\$0.03226	\$(0.00804)	\$0.01493	<b>\$0.03915</b>
32 ISF	Block 1	\$0.03224	\$(0.00804)	\$0.01496	<b>\$0.03916</b>
	Block 2	\$0.03224	\$(0.00804)	\$0.01498	<b>\$0.03918</b>
	Block 3	\$0.03225	\$(0.00804)	\$0.01500	<b>\$0.03921</b>
	Block 4	\$0.03225	\$(0.00804)	\$0.01501	<b>\$0.03922</b>
	Block 5	\$0.03226	\$(0.00804)	\$0.01503	<b>\$0.03925</b>
	Block 6	\$0.03226	\$(0.00804)	\$0.01502	<b>\$0.03924</b>
32 CTF/ITF	Block 1	N/A	N/A	\$0.00004	<b>\$0.00004</b>
	Block 2	N/A	N/A	\$0.00004	<b>\$0.00004</b>
	Block 3	N/A	N/A	\$0.00006	<b>\$0.00006</b>
	Block 4	N/A	N/A	\$0.00007	<b>\$0.00007</b>
	Block 5	N/A	N/A	\$0.00009	<b>\$0.00009</b>
	Block 6	N/A	N/A	\$0.00008	<b>\$0.00008</b>
32 CSI	Block 1	\$0.03224	\$(0.00096)	\$0.01487	<b>\$0.04615</b>
	Block 2	\$0.03224	\$(0.00096)	\$0.01487	<b>\$0.04615</b>
	Block 3	\$0.03225	\$(0.00096)	\$0.01490	<b>\$0.04619</b>
	Block 4	\$0.03225	\$(0.00096)	\$0.01491	<b>\$0.04620</b>
	Block 5	\$0.03226	\$(0.00096)	\$0.01493	<b>\$0.04623</b>
	Block 6	\$0.03226	\$(0.00096)	0.01492	<b>\$0.04622</b>
32 ISI	Block 1	\$0.03224	\$(0.00096)	\$0.01498	<b>\$0.04626</b>
	Block 2	\$0.03224	\$(0.00096)	\$0.01498	<b>\$0.04626</b>
	Block 3	\$0.03225	\$(0.00096)	\$0.01500	<b>\$0.04629</b>
	Block 4	\$0.03225	\$(0.00096)	\$0.01501	<b>\$0.04630</b>
	Block 5	\$0.03226	\$(0.00096)	0.01503	<b>\$0.04633</b>
	Block 6	\$0.03226	\$(0.00096)	\$0.01502	<b>\$0.04632</b>
32 CTI/ITI	Block 1	N/A	N/A	\$0.00004	<b>\$0.00004</b>
	Block 2	N/A	N/A	\$0.00005	<b>\$0.00005</b>
	Block 3	N/A	N/A	\$0.00006	<b>\$0.00006</b>
	Block 4	N/A	N/A	\$0.00007	<b>\$0.00007</b>
	Block 5	N/A	N/A	\$0.00009	<b>\$0.00009</b>
	Block 6	N/A	N/A	\$0.00010	<b>\$0.00010</b>
33 TI		N/A	N/A	\$0.00000	<b>\$0.00000</b>
33 TF		N/A	N/A	\$0.00000	<b>\$0.00000</b>

(C)

(C)

[1] Includes the temporary adjustments identified in Schedule 180.

[2] The sum of the temporary adjustments identified in Schedules 172, 177, 178, 179, 183, 188, & 190.

**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 September 15, 2014  
NWN OPUC Advice No. 14-19

Effective with service on  
and after November 1, 2014

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Second Revision of Sheet 190-2  
Cancels First 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:	636
Commercial:	3,845

3. Weather-normalized usage is calculated using the approach to weather normalization adopted in the Company's last general rate case, Docket UG 221. The weather data is taken from the stations identified in **Rule 24**.

Step One. For the heating season months October through May, 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.

Step Two. This step derives the per-therm customer variance by multiplying the heating degree-day difference by the usage coefficient of .16471 for Residential variances, and .85441 for Commercial 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, 2014 is \$0.43327 per therm for Residential customers and \$0.31375 per therm for Commercial customers. (C)
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 September 15, 2014  
NWN OPUC Advice No. 14-19

Effective with service on  
and after November 1, 2014

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Second Revision of Sheet 195-4  
Cancels First 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 with the WARM Period commencing November 1, 2014 are:

Rate Schedule 2: \$0.43327	Rate Schedule 3: \$0.34608
----------------------------	----------------------------

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	0.1647	\$0.07	0.8544	\$0.30
5	0.8236	\$0.36	4.2721	\$1.48
10	1.6471	\$0.71	8.5441	\$2.96
15	2.4707	\$1.07	12.8162	\$4.44
20	3.2942	\$1.43	17.0882	\$5.91
25	4.1178	\$1.78	21.3603	\$7.39
30	4.9413	\$2.14	25.6323	\$8.87
35	5.7649	\$2.50	29.9044	\$10.35
40	6.5884	\$2.85	34.1764	\$11.83
45	7.4120	\$3.21	38.4485	\$13.31
50	8.2355	\$3.57	42.7205	\$14.78

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 September 15, 2014  
NWN OPUC Advice No. 14-19

Effective with service on  
and after November 1, 2014



# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Second Revision of Sheet 195-5  
Cancels First Revision of Sheet 195-5

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

### WARM BILL EFFECTS (continued):

#### Example Bill Calculation:

Here is the how the WARM adjustment is calculated for a residential **Rate Schedule 2** customer where the billing rate is \$1.01330 cents per therm, the HDD variance is 50 HDDs colder than normal, and the monthly therm usage is 129 therms:

(C)

HDD Differential:	Normal HDDs:	600 HDDs
	Actual HDDs:	650 HDDs
	HDD variance:	600 – 650 = -50 HDDs
Equivalent Therms:	HDD variance:	-50 HDDs
	Statistical coefficient:	0.16471
	Equivalent therms:	-50 x 0.16471 = -8.2355 therms
Total Warm Adjustment:	Equivalent therms:	-8.2355 therms
	Margin Rate:	\$0.43327
	Total WARM Adj.:	-8.2355 x \$0.43327 = -\$3.56820
Total WARM Adjustment converted to cents per therm:	Total WARM Adj.	-\$3.56820
	Monthly usage:	129 therms
	Cent/therm Adj.:	-\$3.56820 ÷ 129 = -\$0.02766
Billing Rate per therm:	Current Rate/therm:	\$1.01330
	WARM cent/therm Adj.	-\$0.02766
	WARM Billing Rate:	\$1.01330+ -\$0.02766= \$0.98564
Total WARM Bill:	Customer Charge:	\$8.00
	Usage Charge:	\$0.98564
	Total	(129 x \$0.98564) + \$8.00 = \$135.15

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### 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 September 15, 2014  
NWN OPUC Advice No. 14-19

Effective with service on  
and after November 1, 2014

EXHIBIT A

BEFORE THE PUBLIC UTILITY COMMISSION  
OF OREGON

NW NATURAL  
SUPPORTING MATERIALS

Combined Effects of August 1, 2014 Filings  
and September 15, 2015 Replacement Filings

NWN OPUC Advice No.14-19  
September 15, 2014



Exhibit A  
Supporting Materials  
Combined Effects  
NWN OPUC Advice No. 14-19

**Combined Effects**

Change in Average Bill by Rate Schedule	1
Rates in Summary	2
Rates in Detail	3
Combined Effects on Revenue	4
Estimated Revenue Effects (3% Test)	5
Workpaper for Warm Table in Rate Schedule 195	6

NW Natural  
 Rates & Regulatory Affairs  
 2014-15 PGA - Oregon: September Filing  
 Effects on Average Bill by Rate Schedule  
 ALL VOLUMES IN THERMS

Calculation of Effect on Customer Average Bill by Rate Schedule [1]

		Oregon PGA Normalized Volumes page, Column D	Therms in Block	Normal Therms Monthly Average use	Minimum Monthly Charge	11/1/2013 Billing Rates	11/1/2013 Current Average Bill	Proposed 11/1/2014 Combined Rates	Proposed 11/1/2014 Combined Average Bill	Proposed 11/1/2014 Combined % Bill Change
		A	B	C	D	E	F=D+(C * E)	AH	AI=D+(C*AH)	AJ = (AI-F)/F
Schedule	Block						F		AI	AJ
2R		360,262,077	N/A	53.0	8.00	0.99317	60.64	1.01330	61.70	1.7%
3C Firm Sales		158,380,592	N/A	233.0	15.00	0.91427	228.02	0.95518	237.56	4.2%
3I Firm Sales		4,657,729	N/A	1,302.0	15.00	0.89909	1,185.62	0.93199	1,228.45	3.6%
27 Dry Out		796,593	N/A	44.0	6.00	0.87	44.46	0.90927	46.01	3.5%
31C Firm Sales	Block 1	20,755,459	2,000	3,524.0	325.00	0.62962		0.69453		
	Block 2	23,561,992	all additional			0.61164		0.67662		
	<b>Total</b>						<b>2,516.38</b>		<b>2,745.23</b>	9.1%
31C Firm Trans	Block 1	388,881	2,000	1,800.0	575.00	0.16800		0.17309		
	Block 2	545,978	all additional			0.15344		0.15815		
	<b>Total</b>						<b>877.40</b>		<b>886.56</b>	1.0%
31I Firm Sales	Block 1	4,173,736	2,000	6,227.0	325.00	0.57905		0.63779		
	Block 2	10,396,529	all additional			0.56309		0.62191		
	<b>Total</b>						<b>3,863.28</b>		<b>4,229.39</b>	9.5%
31I Firm Trans	Block 1	165,160	2,000	10,137.0	575.00	0.15680		0.15988		
	Block 2	807,983	all additional			0.14173		0.14450		
	<b>Total</b>						<b>2,041.86</b>		<b>2,070.56</b>	1.4%
32C Firm Sales	Block 1	16,599,553	10,000	8,643.0	675.00	0.50956		0.56907		
	Block 2	6,678,295	20,000			0.49513		0.55465		
	Block 3	1,156,563	20,000			0.47106		0.53064		
	Block 4	248,708	100,000			0.44698		0.50663		
	Block 5	0	600,000			0.43253		0.49221		
	Block 6	0	all additional			0.42290		0.48261		
	<b>Total</b>						<b>5,079.13</b>		<b>5,593.47</b>	10.1%
32I Firm Sales	Block 1	4,334,221	10,000	19,284.0	675.00	0.50877		0.56814		
	Block 2	5,158,103	20,000			0.49449		0.55389		
	Block 3	1,793,730	20,000			0.47070		0.53013		
	Block 4	516,049	100,000			0.44689		0.50636		
	Block 5	2	600,000			0.43259		0.49210		
	Block 6	0	all additional			0.42311		0.48263		
	<b>Total</b>						<b>10,353.55</b>		<b>11,498.71</b>	11.1%
32 Firm Trans	Block 1	11,412,253	10,000	58,140.0	925.00	0.09321		0.09488		
	Block 2	15,830,951	20,000			0.07925		0.08064		
	Block 3	9,285,426	20,000			0.05607		0.05697		
	Block 4	16,096,253	100,000			0.03282		0.03327		
	Block 5	21,498,809	600,000			0.01888		0.01906		
	Block 6	2,621,489	all additional			0.00961		0.00959		
	<b>Total</b>						<b>4,830.65</b>		<b>4,896.82</b>	1.4%
32C Interr Sales	Block 1	6,122,693	10,000	32,719.0	675.00	0.51260		0.57809		
	Block 2	8,160,075	20,000			0.49787		0.56339		
	Block 3	4,328,184	20,000			0.47331		0.53889		
	Block 4	5,489,487	100,000			0.44878		0.51438		
	Block 5	242,825	600,000			0.43402		0.49967		
	Block 6	0	all additional			0.42426		0.48989		
	<b>Total</b>						<b>17,045.33</b>		<b>19,188.94</b>	12.6%
32I Interr Sales	Block 1	7,354,981	10,000	40,182.0	675.00	0.51281		0.57815		
	Block 2	9,533,013	20,000			0.49810		0.56345		
	Block 3	5,139,981	20,000			0.47356		0.53895		
	Block 4	10,419,812	100,000			0.44904		0.51445		
	Block 5	4,025,372	600,000			0.43431		0.49977		
	Block 6	173,012	all additional			0.42452		0.48997		
	<b>Total</b>						<b>20,586.89</b>		<b>23,213.09</b>	12.8%
32 Interr Trans	Block 1	8,967,105	10,000	193,929.0	925.00	0.09476		0.09620		
	Block 2	15,920,961	20,000			0.08060		0.08179		
	Block 3	11,590,796	20,000			0.05698		0.05777		
	Block 4	30,144,365	100,000			0.03335		0.03373		
	Block 5	57,187,852	600,000			0.01919		0.01933		
	Block 6	78,650,314	all additional			0.00977		0.00975		
	<b>Total</b>						<b>8,802.20</b>		<b>8,900.35</b>	1.1%
33		0	N/A	0.0	38,000.00	0.00542	38,000.00	0.00554	38,000.00	0.0%
<b>Totals</b>		961,573,943	0							

Sources:

Direct Inputs	per Tariff	per Tariff
Rates in summary	Column A	Column I
Permanents		
Temporaries		
PRIOR YEAR Temporaries		

**NW Natural  
Rates & Regulatory Affairs  
2014-15 PGA - Oregon: September Filing  
Calculation of Proposed Rates - SUMMARY**

		11/1/2013 Billing Rates	Net change WACOG	Net change Demand [1]	Proposed Rates PGA Only [1]	Net change Permanent Increments	Net change Temporary Increments	Proposed 11/1/2014 Rates [1]
		A	B	C	D=A+B+C	E	F	H=D+E+F
Schedule	Block							
2R		0.99317	0.02578	(0.02348)	0.99547	0.00272	0.01511	1.01330
3C Firm Sales		0.91427	0.02578	(0.02348)	0.91657	0.00225	0.03636	0.95518
3I Firm Sales		0.89909	0.02578	(0.02348)	0.90139	(0.00094)	0.03154	0.93199
27 Dry Out		0.87401	0.02578	(0.02348)	0.87631	0.00196	0.03100	0.90927
31C Firm Sales	Block 1	0.62962	0.02578		0.65540	0.00201	0.03712	0.69453
	Block 2	0.61164	0.02578		0.63742	0.00193	0.03727	0.67662
31C Firm Trans	Block 1	0.16800	0.00000		0.16800	0.00196	0.00313	0.17309
	Block 2	0.15344	0.00000		0.15344	0.00190	0.00281	0.15815
31I Firm Sales	Block 1	0.57905	0.02578		0.60483	0.00061	0.03235	0.63779
	Block 2	0.56309	0.02578		0.58887	0.00055	0.03249	0.62191
31I Firm Trans	Block 1	0.15680	0.00000		0.15680	0.00059	0.00249	0.15988
	Block 2	0.14173	0.00000		0.14173	0.00054	0.00223	0.14450
32C Firm Sales	Block 1	0.50956	0.02578		0.53534	0.00052	0.03321	0.56907
	Block 2	0.49513	0.02578		0.52091	0.00041	0.03333	0.55465
	Block 3	0.47106	0.02578		0.49684	0.00031	0.03349	0.53064
	Block 4	0.44698	0.02578		0.47276	0.00018	0.03369	0.50663
	Block 5	0.43253	0.02578		0.45831	0.00010	0.03380	0.49221
	Block 6	0.42290	0.02578		0.44868	0.00004	0.03389	0.48261
32I Firm Sales	Block 1	0.50877	0.02578		0.53455	0.00039	0.03320	0.56814
	Block 2	0.49449	0.02578		0.52027	0.00033	0.03329	0.55389
	Block 3	0.47070	0.02578		0.49648	0.00022	0.03343	0.53013
	Block 4	0.44689	0.02578		0.47267	0.00013	0.03356	0.50636
	Block 5	0.43259	0.02578		0.45837	0.00007	0.03366	0.49210
	Block 6	0.42311	0.02578		0.44889	0.00004	0.03370	0.48263
32 Firm Trans	Block 1	0.09321	0.00000		0.09321	0.00033	0.00134	0.09488
	Block 2	0.07925	0.00000		0.07925	0.00029	0.00110	0.08064
	Block 3	0.05607	0.00000		0.05607	0.00018	0.00072	0.05697
	Block 4	0.03282	0.00000		0.03282	0.00011	0.00034	0.03327
	Block 5	0.01888	0.00000		0.01888	0.00006	0.00012	0.01906
	Block 6	0.00961	0.00000		0.00961	0.00003	(0.00005)	0.00959
32C Interr Sales	Block 1	0.51260	0.02578		0.53838	0.00035	0.03936	0.57809
	Block 2	0.49787	0.02578		0.52365	0.00031	0.03943	0.56339
	Block 3	0.47331	0.02578		0.49909	0.00022	0.03958	0.53889
	Block 4	0.44878	0.02578		0.47456	0.00012	0.03970	0.51438
	Block 5	0.43402	0.02578		0.45980	0.00007	0.03980	0.49967
	Block 6	0.42426	0.02578		0.45004	0.00003	0.03982	0.48989
32I Interr Sales	Block 1	0.51281	0.02578		0.53859	0.00036	0.03920	0.57815
	Block 2	0.49810	0.02578		0.52388	0.00031	0.03926	0.56345
	Block 3	0.47356	0.02578		0.49934	0.00021	0.03940	0.53895
	Block 4	0.44904	0.02578		0.47482	0.00012	0.03951	0.51445
	Block 5	0.43431	0.02578		0.46009	0.00007	0.03961	0.49977
	Block 6	0.42452	0.02578		0.45030	0.00003	0.03964	0.48997
32 Interr Trans	Block 1	0.09476	0.00000		0.09476	0.00029	0.00115	0.09620
	Block 2	0.08060	0.00000		0.08060	0.00024	0.00095	0.08179
	Block 3	0.05698	0.00000		0.05698	0.00018	0.00061	0.05777
	Block 4	0.03335	0.00000		0.03335	0.00011	0.00027	0.03373
	Block 5	0.01919	0.00000		0.01919	0.00006	0.00008	0.01933
	Block 6	0.00977	0.00000		0.00977	0.00003	(0.00005)	0.00975
33		0.00542	0.00000	0.00000	0.00542	0.00003	0.00009	0.00554

**Sources:**

Direct Inputs [Oct 2013 filing](#)

Rates in detail Col F - Col B Col G+H-C-D Col K - Col J Col M - Col L

[1] For convenience of presentation, demand charges for Rate Schedules 31 and 32 are omitted



**NW Natural**  
**Rates & Regulatory Affairs**  
**2014-2015 PGA Filing - Oregon: September Filing**  
**PGA Effects on Revenue - COMBINED EFFECTS**

	<b>Including Revenue Sensitive Amount</b>
1	
2 <b><u>Purchased Gas Cost Adjustment (PGA)</u></b>	
3	
4 Gas Cost Change	\$17,419,760
5	
6 Capacity Cost Change	<u>(12,948,724)</u>
7	
8 <b>Total PGA Change</b>	<u>4,471,036</u>
9	
10 <b><u>Temporary Rate Adjustments</u></b>	
11	
12 Proposed Temporary Increments	24,227,752
13	
14 Removal of Gas Reserves Credit	1,203,285
15	
16 Removal of Other Current Temporary Increments	<u>(8,369,463)</u>
17	
18 <b>Total Net Temporary Rate Adjustment</b>	<u>17,061,574</u>
19	
20 <b><u>Base Rate Adjustments</u></b>	
21	
22 Proposed Safety Program Costs	4,194,706
23	
24 Removal of Current Safety Program Costs	(2,236,202)
25	
26 Gasco Source Control	<u>(442,992)</u>
27	
28 <b>Total Net Base Rate Adjustment</b>	<u>1,515,512</u>
29	
30	
31 <b>TOTAL OF ALL COMPONENTS OF ALL RATE CHANGES</b>	<b><u><u>\$23,048,122</u></u></b>
32	
33	
34	
35 2013 Oregon Earnings Test Normalized Total Revenues	\$672,195,000
36	
37 Effect of this filing, as a percentage change (line 31÷ line 37)	3.43%

**NW Natural**  
**Rates and Regulatory Affairs**  
**2014-2015 PGA - Oregon: September Filing**  
**Attachment C: 3% Test**

	<u>Surcharge</u>	<u>Credit</u>	
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**NW Natural**  
**2014-15 PGA Filing: Oregon**  
**SEPTEMBER FILING**  
**Workpaper for WARM table in RS 195**

	\$0.43327 Residential		\$0.34608 Commercial	
	Therms	\$WARM Adj	Therms	\$WARM Adj
1	0.1647	\$0.07	0.8544	\$0.30
5	0.8236	\$0.36	4.2721	\$1.48
10	1.6471	\$0.71	8.5441	\$2.96
15	2.4707	\$1.07	12.8162	\$4.44
20	3.2942	\$1.43	17.0882	\$5.91
25	4.1178	\$1.78	21.3603	\$7.39
30	4.9413	\$2.14	25.6323	\$8.87
35	5.7649	\$2.50	29.9044	\$10.35
40	6.5884	\$2.85	34.1764	\$11.83
45	7.4120	\$3.21	38.4485	\$13.31
50	8.2355	\$3.57	42.7205	\$14.78

Billing rate less temps, WACOG & Demand

**Sheet 195-5 Calculations - Residential Schedule 2**

HDDs variance	Stat. coefficient	Therms	Margin calc.	Usage (therms)	WARM Adj.	Current Rate	WARM Adj. Rate	WARM bill
-50	0.16471	-8.2355	-\$3.56820	129	-\$0.02766	\$1.01330	\$0.98564	\$133.15