ONITA R. KING

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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),"

Public Utility Commission of Oregon NWN OPUC Advice No. 14-19 September 15, 2014, Page 2

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).

Public Utility Commission of Oregon NWN OPUC Advice No. 14-19 September 15, 2014, Page 3

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.

Please address correspondence on this matter to me at 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

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Cristan Kelley, Rate Analyst Rates & Regulatory Affairs NW Natural 220 NW Second Avenue

Portland, Oregon 29709 Telecopier: (503) 721-2516 Telephone: (503) 226-4211, x3582 cristan.kelley@nwnatural.com

Sincerely, NW NATURAL

/s/ Onita R. King

Onita R. King

Rates & Regulatory Affairs

Attachments: Exhibit A – Supporting Materials

P.U.C. Or. 25

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

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					\$8.00	
Volumetric Charge (per therm):	\$0.42565	\$0.00762	\$0.12239	\$0.43383	\$0.02381	\$1.01330	(1)

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

(continue to Sheet 2-2)

Issued September 15, 2014 NWN OPUC Advice No. 14-19 Effective with service on and after November 1, 2014

220 N.W. Second Avenue Portland, Oregon 97209-3991

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**.

FIRM SALES SERVICE	Billing Rates [1]							
		\$15.00						
Volumetric Charges (per therm):	Base Rate	Base Adjustment	Pipeline Capacity	Commodity Component [2]	Temporary Adjustment			
Commercial	\$0.33983	\$0.00625	\$0.12239	\$0.43383	\$0.05288	\$0.95518		
Industrial	\$0.33401	\$0.00276	\$0.12239	\$0.43383	\$0.03900	\$0.93199		
Standby Charge (per the	\$10.00							

- [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

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

P.U.C. Or. 25

Second Revision of Sheet 27-1 Cancels First 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, 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 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					\$6.00
Volumetric Charge (per therm)						
All therms	\$0.32303	\$0.00670	\$0.12239	\$0.43383	\$0.02332	\$0.90927

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

GENERAL TERMS:

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

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

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

(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**.

FIRM SALES SERVICE CHARGES (31 CSF) [1]:							
Customer Charge (per month):							
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]			
Block 1: 1 st 2,000 therms	\$0.20233	\$0.00542	\$0.43383	\$0.05295	\$0.69453		
Block 2: All additional therms	\$0.18460	\$0.00521	\$0.43383	\$0.05298	\$0.67662		
Pipeline Capacity Charge Options	(select one):						
Firm Pipeline Capacity Charge - Volu	metric option (pe	r therm):			\$0.12239		
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):							
FIRM TRANSPORTATION SERVICE	CHARGES (31	CTF):					
FIRM TRANSPORTATION SERVICE Customer Charge (per month):	CHARGES (31	CTF):			\$325.00		
	CHARGES (31	CTF):			\$325.00 \$250.00		
Customer Charge (per month):	E CHARGES (31 Base Rate	CTF): Base Rate Adjustment		Total Temporary Adjustments [4]	· ·		
Customer Charge (per month): Transportation Charge (per month):		Base Rate		Temporary Adjustments	· ·		

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.

(continue to Sheet 31-12)

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

^[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.

P.U.C. Or. 25

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

(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**.

FIRM SALES SERVICE CHARGES (31 ISF) [1]:							
Customer Charge (per month):							
Volumetric Charges (per therm) Base Rate Adjustment Common Compon [2]	, , ,						
Block 1: 1 st 2,000 therms \$0.16313 \$0.00174 \$0.4336	83 \$0.03909 \$0.63779						
Block 2: All additional therms \$0.14740 \$0.00157 \$0.4336	83 \$0.03911 \$0.62191						
Pipeline Capacity Charge Options (select one):							
Firm Pipeline Capacity Charge - Volumetric option (per therm):	\$0.12239						
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):							
FIRM TRANSPORTATION SERVICE CHARGES (31 ITF):							
Customer Charge (per month):	\$325.00						
Transportation Charge (per month):	\$250.00						
Volumetric Charges (per therm) Base Rate Adjustment Base Rate	Total Temporary Adjustments [4]						
Block 1: 1 st 2,000 therms \$0.15816 \$0.00174	\$(0.0002) \$0.15988						
ψ0.15010 ψ0.00174							

- [1] The Monthly Bill shall equal the sum of the Customer Charge, plus the Volumetric Charges, plus the Pipeline Capacity Charge selected by the Customer, plus any other charges that may apply from **SCHEDULE C** and **SCHEDULE 15**.
- [2] The stated rate is the Company's Annual Sales WACOG. However, the Commodity Component to be billed will be dependent on Customer's Service Type Selection and may instead be Winter Sales WACOG, or Monthly Incremental Cost of Gas.
- [3] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Temporary Adjustments as set forth in **SCHEDULE 162** may not apply.
- [4] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Sales Service Temporary Adjustments as set forth in **SCHEDULE 162** may also apply.

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

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

MONTHLY RATES: 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**.

FIRM SALES SERVICE CHARG	ES [1]:				Billing Rates	
Customer Charge (per month, all	\$675.00					
	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]		
32 CSF Volumetric Charges	(per therm):					
Block 1: 1st 10,000 therms Block 2: Next 20,000 therms Block 3: Next 20,000 therms Block 4: Next 100,000 therms Block 5: Next 600,000 therms Block 6: All additional therms	\$0.09478 \$0.08056 \$0.05689 \$0.03319 \$0.01898 \$0.00949	\$0.00143 \$0.00120 \$0.00085 \$0.00050 \$0.00028 \$0.00014	\$0.43383 \$0.43383 \$0.43383 \$0.43383 \$0.43383 \$0.43383	\$0.03903 \$0.03906 \$0.03907 \$0.03911 \$0.03912 \$0.03915	\$0.56907 \$0.55465 \$0.53064 \$0.50663 \$0.49221 \$0.48261	(I
32 ISF Volumetric Charges (p	er therm):					
Block 1: 1st 10,000 therms Block 2: Next 20,000 therms Block 3: Next 20,000 therms Block 4: Next 100,000 therms Block 5: Next 600,000 therms Block 6: All additional therms	\$0.09407 \$0.07996 \$0.05645 \$0.03293 \$0.01881 \$0.00945	\$0.00108 \$0.00092 \$0.00064 \$0.00038 \$0.00021 \$0.00011	\$0.43383 \$0.43383 \$0.43383 \$0.43383 \$0.43383 \$0.43383	\$0.03916 \$0.03918 \$0.03921 \$0.03922 \$0.03925 \$0.03924	\$0.56814 \$0.55389 \$0.53013 \$0.50636 \$0.49210 \$0.48263	(1
Firm Service Distribution Capacit	y Charge (per the	erm of MDDV pe	er month):		\$0.15748	
Firm Sales Service Storage Char	ge (per therm of	MDDV per mont	h):		\$0.20415	
Pipeline Capacity Charge Option	ons (select one)	:				
Firm Pipeline Capacity Charge -	Volumetric option	n (per therm):			\$0.12239	(F
Firm Pipeline Capacity Charge -	Peak Demand op	otion (per therm	of MDDV per month	n):	\$1.82	(F

^[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.

(continue to Sheet 32-13)

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

^[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.

Third Revision of Sheet 32-13

(T)

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 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

INTERRUPTIBLE SALES SERVICE CHARGES [1][4]:						
Customer Charge (per month):						
	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]		
32 CSI Volumetric Charges (per therm):					
Block 1: 1st 10,000 therms Block 2: Next 20,000 therms Block 3: Next 20,000 therms Block 4: Next 100,000 therms Block 5: Next 600,000 therms Block 6: All additional therms	\$0.09712 \$0.08256 \$0.05827 \$0.03400 \$0.01941 \$0.00974	\$0.00099 \$0.00085 \$0.00060 \$0.00035 \$0.00020 \$0.00010	\$0.43383 \$0.43383 \$0.43383 \$0.43383 \$0.43383 \$0.43383	\$0.04615 \$0.04615 \$0.04619 \$0.04620 \$0.04623 \$0.04622	\$0.57809 \$0.56339 \$0.53889 \$0.51438 \$0.49967 \$0.48989	
Interruptible Pipeline Capacity Cl	harge (per therm)):			\$0.01455	
32 ISI Volumetric Charges (p	er therm):					
Block 1: 1st 10,000 therms Block 2: Next 20,000 therms Block 3: Next 20,000 therms Block 4: Next 100,000 therms Block 5: Next 600,000 therms Block 6: All additional therms	\$0.09707 \$0.08251 \$0.05824 \$0.03398 \$0.01941 \$0.00972	\$0.00099 \$0.00085 \$0.00059 \$0.00034 \$0.00020 \$0.00010	\$0.43383 \$0.43383 \$0.43383 \$0.43383 \$0.43383 \$0.43383	\$0.04626 \$0.04626 \$0.04629 \$0.04630 \$0.04633 \$0.04632	\$0.57815 \$0.56345 \$0.53895 \$0.51445 \$0.49977 \$0.48997	
Interruptible Pipeline Capacity Cl	harge (per therm)):			\$0.01455	

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.

(continue to Sheet 32-14)

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

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.

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.

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.

P.U.C. Or. 25

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

(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.

FIRM TRANSPORTATION SERVI	CE CHARGES	(32 CTF or 32 I	TF) [1]:	Billing Rates		
Customer Charge (per month):				\$675.00		
Transportation Charge (per month):						
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Total Temporary Adjustments [2]			
Block 1: 1 st 10,000 therms Block 2: Next 20,000 therms Block 3: Next 20,000 therms Block 4: Next 100,000 therms Block 5: Next 600,000 therms Block 6: All additional therms	\$0.09385 \$0.07975 \$0.05632 \$0.03286 \$0.01877 \$0.00941	\$0.00099 \$0.00085 \$0.00059 \$0.00034 \$0.00020 \$0.00010	\$0.00004 \$0.00004 \$0.00006 \$0.00007 \$0.00009 \$0.00008	\$0.09488 \$0.08064 \$0.05697 \$0.03327 \$0.01906 \$0.00959		
Firm Service Distribution Capacity		·	, 	\$0.15748		
INTERRUPTIBLE TRANSPORTA Customer Charge (per month):	TION SERVICE	E CHARGES (32	(C11 or 111) [3]:	\$675.00		
Transportation Charge (per month)):			\$250.00		
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Temporary Adjustments			
,			[2]			

^[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.

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

^[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.

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.

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:		\$0.00548	\$0.00006	\$0.00000	\$0.00554			
Firm Service Distribution Ca	\$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**.

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:	\$0.00548	\$0.00006	\$0.00000	\$0.00554			

Minimum Monthly Bill: Customer Charge, plus Transportation Charge, plus any other charges that may apply from **Schedule C** and **Schedule 15**.

[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 NWN OPUC Advice No. 14-19 Effective with service on and after November 1, 2014

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

Effective: November 1, 2014

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:

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)	\$0.02381
3 CSF		\$0.03219	\$(0.00804)	\$0.02873	\$0.05288
3 ISF		\$0.03220	\$(0.00804)	\$0.01484	\$0.03900
27		\$0.03218	\$(0.00804)	\$(0.00082)	\$0.02332
31 CSF	Block 1	\$0.03221	\$(0.00804)	\$0.02878	\$0.05295
	Block 2	\$0.03222	\$(0.00804)	\$0.02880	\$0.05298
31 CTF	Block 1	N/A	N/A	\$(0.00072)	\$(0.00072)
	Block 2	N/A	N/A	\$(0.00071)	\$(0.00071)
31 ISF	Block 1	\$0.03222	\$(0.00804)	\$0.01491	\$0.03909
	Block 2	\$0.03223	\$(0.00804)	\$0.01492	\$0.03911
31 ITF	Block 1	N/A	N/A	\$(0.00002)	\$(0.00002)
	Block 2	N/A	N/A	\$(0.00001)	\$(0.00001)

[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

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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)

(C)

(C)

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	\$0.03903
	Block 2	\$0.03224	\$(0.00804)	\$0.01486	\$0.03906
	Block 3	\$0.03224	\$(0.00804)	\$0.01487	\$0.03907
	Block 4	\$0.03225	\$(0.00804)	\$0.01490	\$0.03911
	Block 5	\$0.03225	\$(0.00804)	\$0.01491	\$0.03912
	Block 6	\$0.03226	\$(0.00804)	\$0.01493	\$0.03915
32 ISF	Block 1	\$0.03224	\$(0.00804)	\$0.01496	\$0.03916
	Block 2	\$0.03224	\$(0.00804)	\$0.01498	\$0.03918
	Block 3	\$0.03225	\$(0.00804)	\$0.01500	\$0.03921
	Block 4	\$0.03225	\$(0.00804)	\$0.01501	\$0.03922
	Block 5	\$0.03226	\$(0.00804)	\$0.01503	\$0.03925
	Block 6	\$0.03226	\$(0.00804)	\$0.01502	\$0.03924
32 CTF/ITF	Block 1	N/A	N/A	\$0.00004	\$0.00004
	Block 2	N/A	N/A	\$0.00004	\$0.00004
	Block 3	N/A	N/A	\$0.00006	\$0.0006
	Block 4	N/A	N/A	\$0.00007	\$0.00007
	Block 5	N/A	N/A	\$0.00009	\$0.00009
	Block 6	N/A	N/A	\$0.00008	\$0.0008
32 CSI	Block 1	\$0.03224	\$(0.00096)	\$0.01487	\$0.04615
02 00.	Block 2	\$0.03224	\$(0.00096)	\$0.01487	\$0.04615
	Block 3	\$0.03225	\$(0.00096)	\$0.01490	\$0.04619
	Block 4	\$0.03225	\$(0.00096)	\$0.01491	\$0.04620
	Block 5	\$0.03226	\$(0.00096)	\$0.01493	\$0.04623
	Block 6	\$0.03226	\$(0.00096)	0.01492	\$0.04622
32 ISI	Block 1	\$0.03224	\$(0.00096)	\$0.01498	\$0.04626
02 101	Block 2	\$0.03224	\$(0.00096)	\$0.01498	\$0.04626
+	Block 3	\$0.03225	\$(0.00096)	\$0.01500	\$0.04629
+	Block 4	\$0.03225	\$(0.00096)	\$0.01501	\$0.04630
+	Block 5	\$0.03226	\$(0.00096)	0.01503	\$0.04633
+	Block 6	\$0.03226	\$(0.00096)	\$0.01502	\$0.04632
32 CTI/ITI	Block 1	N/A	N/A	\$0.00004	\$0.0004
02 011/111	Block 2	N/A	N/A	\$0.00005	\$0.00005
+	Block 3	N/A	N/A	\$0.00006	\$0.00006
+	Block 4	N/A	N/A	\$0.00007	\$0.00007
+	Block 5	N/A	N/A	\$0.00007	\$0.00007
	Block 6	N/A	N/A	\$0.00009	\$0.00010
33 TI	DIOCK 0	N/A	N/A	\$0.00010	\$0.00010
		1 11/7	1 1/7	\$0.00000	\$0.00000

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

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

Issued by: NORTHWEST NATURAL GAS COMPANY

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

P.U.C. Or. 25

Second Revision of Sheet 190-2 Cancels First Revision of Sheet 190-2

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**.

<u>Step One</u>. 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.

<u>Step Two</u>. 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.

<u>Step Three</u>. 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.

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:

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Issued September 15, 2014 NWN OPUC Advice No. 14-19 Effective with service on and after November 1, 2014

(C)

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:

(T)

Rate Schedule 2: \$0.43327 Rate Schedule 3: \$0.34608 (C)

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.

	RESIDE	NTIAL		COMMERCIAL				
HDD Variance (+ or -)	Equivalent therms	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

(C)

Issued by: NORTHWEST NATURAL GAS COMPANY
d.b.a. NW Natural
220 N.W. Second Avenue
Portland, Oregon 97209-3991

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)

(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: $-50 \times 0.16471 = -8.2355$ therms

Total Warm Adjustment: Equivalent therms: -8.2355 therms

Margin Rate: \$0.43327

Total WARM Adj.: $-8.2355 \times \$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 \div 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 $(129 \times \$0.98564) + \$8.00 = \$135.15$

(C)

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

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]

1 2			Oregon PGA Normalized		Normal Therms	Minimum	11/1/2013	11/1/2013	Proposed 11/1/2014	Proposed 11/1/2014	Proposed 11/1/2014
3			Volumes page,	Therms in	Monthly	Monthly	Billing	Current	Combined	Combined	Combined
4			Column D	Block	Average use	Charge	Rates	Average Bill	Rates	Average Bill	% Bill Change
5 6	Schedule	Block		В	С	D	Е	F=D+(C * E) F	АН	AI=D+(C*AH) AI	AJ = (AI-F)/F AJ
7	2R	DIOCK	360,262,077	N/A	53.0	8.00	0.99317	60.64	1.01330	61.70	1.7%
8	3C Firm Sales		158,380,592	N/A	233.0	15.00	0.91427	228.02	0.95518	237.56	4.2%
9	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%
10	27 Dry Out		796,593	N/A	44.0	6.00	0.87	44.46	0.90927	46.01	3.5%
11	31C Firm Sales	Block 1	20,755,459	2,000	3,524.0	325.00	0.62962		0.69453		
12		Block 2	23,561,992	all additional			0.61164		0.67662		
13		Total						2,516.38		2,745.23	9.1%
14	31C Firm Trans	Block 1	388,881	2,000	1,800.0	575.00	0.16800		0.17309		
15		Block 2	545,978	all additional			0.15344		0.15815		
16		Total						877.40		886.56	1.0%
17	31I Firm Sales	Block 1	4,173,736	2,000	6,227.0	325.00	0.57905		0.63779		
18		Block 2	10,396,529	all additional			0.56309		0.62191		0.50/
19 20	31I Firm Trans	Total	165,160	2,000	10,137.0	575.00	0.15680	3,863.28	0.15988	4,229.39	9.5%
20	211 LIIII II III	Block 1 Block 2	807,983	all additional	10,137.0	5/5.00	0.15080		0.15988		
22		Total	607,963	ali additional			0.141/3	2,041.86	0.14430	2,070.56	1.4%
23	32C Firm Sales	Block 1	16,599,553	10,000	8,643.0	675.00	0.50956	2/042.00	0.56907	2,070.50	1.170
24	520 1 1111 54165	Block 2	6,678,295	20,000	0,0 1510	0,0.00	0.49513		0.55465		
25		Block 3	1,156,563	20,000			0.47106		0.53064		
26		Block 4	248,708	100,000			0.44698		0.50663		
27		Block 5	0	600,000			0.43253		0.49221		
28		Block 6	0	all additional			0.42290		0.48261		
29		Total						5,079.13		5,593.47	10.1%
30	32I Firm Sales	Block 1	4,334,221	10,000	19,284.0	675.00	0.50877		0.56814		
31		Block 2	5,158,103	20,000			0.49449		0.55389		
32		Block 3	1,793,730	20,000			0.47070		0.53013		
33		Block 4	516,049	100,000			0.44689		0.50636		
34		Block 5	2	600,000			0.43259		0.49210		
35 36		Block 6 Total	U	all additional			0.42311	10,353.55	0.48263	11,498.71	11.1%
37	32 Firm Trans	Block 1	11,412,253	10,000	58,140.0	925.00	0.09321	10,353.55	0.09488	11,490.71	11.170
38	J2 1 11111 11 al 13	Block 2	15,830,951	20,000	30,140.0	923.00	0.07925		0.08064		
39		Block 3	9,285,426	20,000			0.05607		0.05697		
40		Block 4	16,096,253	100,000			0.03282		0.03327		
41		Block 5	21,498,809	600,000			0.01888		0.01906		
42		Block 6	2,621,489	all additional			0.00961		0.00959		
43		Total						4,830.65		4,896.82	1.4%
44	32C Interr Sales	Block 1	6,122,693	10,000	32,719.0	675.00	0.51260		0.57809		
45		Block 2	8,160,075	20,000			0.49787		0.56339		
46		Block 3	4,328,184	20,000			0.47331		0.53889		
47		Block 4	5,489,487	100,000			0.44878		0.51438		
48		Block 5	242,825	600,000			0.43402		0.49967		
49		Block 6	0	all additional			0.42426	17.045.22	0.48989	10 100 04	12.00/
50 51	32I Interr Sales	Total Block 1	7,354,981	10,000	40,182.0	675.00	0.51281	17,045.33	0.57815	19,188.94	12.6%
52	J21 1111E11 JaieS	Block 1	9,533,013	20,000	70,102.0	0/3.00	0.51281		0.56345		
53		Block 3	5,139,981	20,000			0.47356		0.53895		
54		Block 4	10,419,812	100,000			0.44904		0.51445		
55		Block 5	4,025,372	600,000			0.43431		0.49977		
56		Block 6	173,012	all additional			0.42452		0.48997		
57		Total	,					20,586.89		23,213.09	12.8%
58	32 Interr Trans	Block 1	8,967,105	10,000	193,929.0	925.00	0.09476		0.09620		
59		Block 2	15,920,961	20,000			0.08060		0.08179		
60		Block 3	11,590,796	20,000			0.05698		0.05777		
61		Block 4	30,144,365	100,000			0.03335		0.03373		
62		Block 5	57,187,852	600,000			0.01919		0.01933		
63		Block 6	78,650,314	all additional			0.00977	0.000.00	0.00975	0.000	4 40/
64	22	Total	^	N/A	0.0	20 000 00	0.00543	8,802.20	0.00554	8,900.35	1.1%
65 66	33		0	N/A	0.0	38,000.00	0.00542	38,000.00	0.00554	38,000.00	0.0%
67 68	Totals		961,573,943								

Rates in summary Column A Column I Temporaries
PRIOR YEAR Temporaries

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

1 2 3 4 5			11/1/2013 Billing Rates	Net change WACOG	Net change Demand [1]	Proposed Rates PGA Only [1] D=A+B+C	Net change Permanent Increments	Net change Temporary Increments	Proposed 11/1/2014 Rates [1]
6	Schedule	Block	Α	В	С	D=A+B+C	E	F	H=D+E+F
7	2R	Diocit	0.99317	0.02578	(0.02348)	0.99547	0.00272	0.01511	1.01330
8	3C Firm Sales		0.91427	0.02578	(0.02348)	0.91657	0.00225	0.03636	0.95518
9	3I Firm Sales		0.89909	0.02578	(0.02348)	0.90139	(0.00094)	0.03154	0.93199
10	27 Dry Out		0.87401	0.02578	(0.02348)	0.87631	0.00196	0.03100	0.90927
11	31C Firm Sales	Block 1	0.62962	0.02578		0.65540	0.00201	0.03712	0.69453
12		Block 2	0.61164	0.02578		0.63742	0.00193	0.03727	0.67662
13	31C Firm Trans	Block 1	0.16800	0.00000		0.16800	0.00196	0.00313	0.17309
14		Block 2	0.15344	0.00000		0.15344	0.00190	0.00281	0.15815
15	31I Firm Sales	Block 1	0.57905	0.02578		0.60483	0.00061	0.03235	0.63779
16		Block 2	0.56309	0.02578		0.58887	0.00055	0.03249	0.62191
17	31I Firm Trans	Block 1	0.15680	0.00000		0.15680	0.00059	0.00249	0.15988
18		Block 2	0.14173	0.00000		0.14173	0.00054	0.00223	0.14450
19	32C Firm Sales	Block 1	0.50956	0.02578		0.53534	0.00052	0.03321	0.56907
20		Block 2	0.49513	0.02578		0.52091	0.00041	0.03333	0.55465
21		Block 3	0.47106	0.02578		0.49684	0.00031	0.03349	0.53064
22		Block 4	0.44698	0.02578		0.47276	0.00018	0.03369	0.50663
23		Block 5	0.43253	0.02578		0.45831	0.00010	0.03380	0.49221
24	221 Firm Calas	Block 6	0.42290	0.02578		0.44868	0.00004	0.03389	0.48261
25	32I Firm Sales	Block 1	0.50877	0.02578		0.53455	0.00039	0.03320 0.03329	0.56814
26 27		Block 2	0.49449	0.02578		0.52027	0.00033 0.00022		0.55389 0.53013
28		Block 3 Block 4	0.47070 0.44689	0.02578 0.02578		0.49648 0.47267	0.00022	0.03343 0.03356	0.50636
26 29		Block 5	0.43259	0.02578		0.45837	0.00013	0.03366	0.49210
30		Block 6	0.42311	0.02578		0.44889	0.00007	0.03370	0.49210
31	32 Firm Trans	Block 1	0.09321	0.00000		0.09321	0.00033	0.00134	0.09488
32	32 mm mans	Block 2	0.07925	0.00000		0.07925	0.00033	0.00134	0.08064
33		Block 3	0.05607	0.00000		0.05607	0.00018	0.00072	0.05697
34		Block 4	0.03282	0.00000		0.03282	0.00011	0.00034	0.03327
35		Block 5	0.01888	0.00000		0.01888	0.00006	0.00012	0.01906
36		Block 6	0.00961	0.00000		0.00961	0.00003	(0.00005)	0.00959
37	32C Interr Sales	Block 1	0.51260	0.02578		0.53838	0.00035	0.03936	0.57809
38		Block 2	0.49787	0.02578		0.52365	0.00031	0.03943	0.56339
39		Block 3	0.47331	0.02578		0.49909	0.00022	0.03958	0.53889
40		Block 4	0.44878	0.02578		0.47456	0.00012	0.03970	0.51438
41		Block 5	0.43402	0.02578		0.45980	0.00007	0.03980	0.49967
42		Block 6	0.42426	0.02578		0.45004	0.00003	0.03982	0.48989
43	32I Interr Sales	Block 1	0.51281	0.02578		0.53859	0.00036	0.03920	0.57815
44		Block 2	0.49810	0.02578		0.52388	0.00031	0.03926	0.56345
45		Block 3	0.47356	0.02578		0.49934	0.00021	0.03940	0.53895
46		Block 4	0.44904	0.02578		0.47482	0.00012	0.03951	0.51445
47		Block 5	0.43431	0.02578		0.46009	0.00007	0.03961	0.49977
48		Block 6	0.42452	0.02578		0.45030	0.00003	0.03964	0.48997
49	32 Interr Trans	Block 1	0.09476	0.00000		0.09476	0.00029	0.00115	0.09620
50		Block 2	0.08060	0.00000		0.08060	0.00024	0.00095	0.08179
51		Block 3	0.05698	0.00000		0.05698	0.00018	0.00061	0.05777
52		Block 4	0.03335	0.00000		0.03335	0.00011	0.00027	0.03373
53		Block 5	0.01919	0.00000		0.01919	0.00006	0.00008	0.01933
54		Block 6	0.00977	0.00000	0.0000	0.00977	0.00003	(0.00005)	0.00975
55 56	33		0.00542	0.00000	0.00000	0.00542	0.00003	0.00009	0.00554
50 57	Sources:								
58	Direct Inputs		Oct 2013 filing						
59									
60 61	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

61 62

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

1 2 3 4		11/1/2013 Billing Rates	REMOVE Current WACOG	REMOVE Current FIRM Demand	REMOVE Current INTERR Demand	Subtotal [1]	ADD Proposed WACOG	ADD Proposed FIRM Demand	ADD Proposed INTERR Demand	Subtotal [1]	Current Permanent Items	Proposed Permanent Items	Current Temporary Items	Proposed Temporary Items	Subtotal [1]	Proposed 11/01/14 Proposed Illustrative Rates [1]	Proposed Tariff Rates [1]
Schedule	Block	Α .	\$0.40805 B	\$0.14587 C	\$0.01734 D	E=A-B-C-D E	\$0.43383 F	\$0.12239 G	\$0.01455 H	I=E+F+G+H I	3	к	L	м	N = I-J+K-L+M N	0	excl RS 31& 32 demand P
7 2R		0.99317	0.40805	0.14587	0.00000	0.43925	0.43383	0.12239	0.00000	0.99547	0.00408	0.00680	0.00870	0.02381	1.01330	1.01330	1.01330
3C Firm Sales		0.91427	0.40805	0.14587	0.00000	0.36035	0.43383	0.12239	0.00000	0.91657	0.00342	0.00567	0.01652	0.05288	0.95518	0.95518	0.95518
3I Firm Sales		0.89909	0.40805	0.14587	0.00000	0.34517	0.43383	0.12239	0.00000	0.90139	0.00321	0.00227	0.00746	0.03900	0.93199	0.93199	0.93199
0 <u>27 Dry Out</u>		0.87401	0.40805	0.14587	0.00000	0.32009	0.43383	0.12239	0.00000	0.87631	0.00408	0.00604	(0.00768)	0.02332	0.90927	0.90927	0.90927
1 31C Firm Sales	Block 1	0.62962	0.40805			0.22157	0.43383	0.12239	0.00000	0.77779	0.00298	0.00499	0.01583	0.05295	0.81692	0.81692	0.69453
216 Firm Trans	Block 2	0.61164	0.40805			0.20359	0.43383	0.12239	0.00000	0.75981	0.00289	0.00482	0.01571	0.05298	0.79901	0.79901	0.67662
3 31C Firm Trans	Block 1 Block 2	0.16800 0.15344	0.00000			0.16800 0.15344	0.00000	0.00000	0.00000	0.16800 0.15344	0.00308 0.00297	0.00504 0.00487	(0.00385) (0.00352)	(0.00072) (0.00071)	0.17309 0.15815	0.17309 0.15815	0.17309 0.15815
5 31I Firm Sales	Block 1	0.57905	0.40805			0.17100	0.43383	0.12239	0.00000	0.72722	0.00297	0.00487	0.00674	0.03909	0.76018	0.76018	0.63779
6	Block 2	0.56309	0.40805			0.15504	0.43383	0.12239	0.00000	0.71126	0.00074	0.00143	0.00662	0.03909	0.74430	0.74430	0.62191
7 31I Firm Trans	Block 1	0.15680	0.00000			0.15680	0.00000	0.00000	0.00000	0.15680	0.00084	0.00143	(0.00251)	(0.00002)	0.15988	0.15988	0.15988
8	Block 2	0.14173	0.00000			0.14173	0.00000	0.00000	0.00000	0.14173	0.00076	0.00130	(0.00224)	(0.00001)	0.14450	0.14450	0.14450
9 32C Firm Sales	Block 1	0.50956	0.40805			0.10151	0.43383	0.12239	0.00000	0.65773	0.00066	0.00118	0.00582	0.03903	0.69146	0.69146	0.56907
0	Block 2	0.49513	0.40805			0.08708	0.43383	0.12239	0.00000	0.64330	0.00057	0.00098	0.00573	0.03906	0.67704	0.67704	0.55465
1	Block 3	0.47106	0.40805			0.06301	0.43383	0.12239	0.00000	0.61923	0.00039	0.00070	0.00558	0.03907	0.65303	0.65303	0.53064
2	Block 4	0.44698	0.40805			0.03893	0.43383	0.12239	0.00000	0.59515	0.00023	0.00041	0.00542	0.03911	0.62902	0.62902	0.50663
3	Block 5	0.43253	0.40805			0.02448	0.43383	0.12239	0.00000	0.58070	0.00013	0.00023	0.00532	0.03912	0.61460	0.61460	0.49221
4	Block 6	0.42290	0.40805			0.01485	0.43383	0.12239	0.00000	0.57107	0.00007	0.00011	0.00526	0.03915	0.60500	0.60500	0.48261
5 32I Firm Sales	Block 1	0.50877	0.40805			0.10072	0.43383	0.12239	0.00000	0.65694	0.00050	0.00089	0.00596	0.03916	0.69053	0.69053	0.56814
6 7	Block 2	0.49449	0.40805			0.08644	0.43383	0.12239 0.12239	0.00000	0.64266	0.00043	0.00076	0.00589	0.03918	0.67628 0.65252	0.67628	0.55389
8	Block 3 Block 4	0.47070 0.44689	0.40805 0.40805			0.06265 0.03884	0.43383 0.43383	0.12239	0.00000	0.61887 0.59506	0.00030 0.00018	0.00052 0.00031	0.00578 0.00566	0.03921 0.03922	0.62875	0.65252 0.62875	0.53013 0.50636
9	Block 5	0.43259	0.40805			0.02454	0.43383	0.12239	0.00000	0.58076	0.00010	0.00031	0.00559	0.03925	0.61449	0.61449	0.49210
0	Block 6	0.42311	0.40805			0.01506	0.43383	0.12239	0.00000	0.57128	0.00010	0.00017	0.00554	0.03924	0.60502	0.60502	0.48263
1 32 Firm Trans	Block 1	0.09321	0.00000			0.09321	0.00000	0.00000	0.00000	0.09321	0.00048	0.00081	(0.00130)	0.00004	0.09488	0.09488	0.09488
2	Block 2	0.07925	0.00000			0.07925	0.00000	0.00000	0.00000	0.07925	0.00041	0.00070	(0.00106)	0.00004	0.08064	0.08064	0.08064
3	Block 3	0.05607	0.00000			0.05607	0.00000	0.00000	0.00000	0.05607	0.00030	0.00048	(0.00066)	0.00006	0.05697	0.05697	0.05697
4	Block 4	0.03282	0.00000			0.03282	0.00000	0.00000	0.00000	0.03282	0.00017	0.00028	(0.00027)	0.00007	0.03327	0.03327	0.03327
5	Block 5	0.01888	0.00000			0.01888	0.00000	0.00000	0.00000	0.01888	0.00010	0.00016	(0.00003)	0.00009	0.01906	0.01906	0.01906
6	Block 6	0.00961	0.00000			0.00961	0.00000	0.00000	0.00000	0.00961	0.00005	0.00008	0.00013	0.00008	0.00959	0.00959	0.00959
7 32C Interr Sales	Block 1	0.51260	0.40805			0.10455	0.43383	0.00000	0.01455	0.55293	0.00046	0.00081	0.00679	0.04615	0.59264	0.59264	0.57809
8	Block 2	0.49787	0.40805			0.08982	0.43383	0.00000	0.01455	0.53820	0.00039	0.00070	0.00672	0.04615	0.57794	0.57794	0.56339
9	Block 3	0.47331	0.40805			0.06526	0.43383	0.00000	0.01455	0.51364	0.00027	0.00049	0.00661	0.04619	0.55344	0.55344	0.53889
0	Block 4	0.44878 0.43402	0.40805 0.40805			0.04073 0.02597	0.43383 0.43383	0.00000	0.01455 0.01455	0.48911 0.47435	0.00017 0.00009	0.00029 0.00016	0.00650 0.00643	0.04620 0.04623	0.52893 0.51422	0.52893 0.51422	0.51438 0.49967
2	Block 5 Block 6	0.43402	0.40805			0.02597	0.43383	0.00000	0.01455	0.46459	0.00009	0.00018	0.00643	0.04623	0.50444	0.51422	0.48989
3 32I Interr Sales	Block 1	0.51281	0.40805			0.10476	0.43383	0.00000	0.01455	0.55314	0.00005	0.00081	0.00706	0.04626	0.59270	0.59270	0.57815
4	Block 2	0.49810	0.40805			0.09005	0.43383	0.00000	0.01455	0.53843	0.00043	0.00070	0.00700	0.04626	0.57800	0.57800	0.56345
5	Block 3	0.47356	0.40805			0.06551	0.43383	0.00000	0.01455	0.51389	0.00027	0.00048	0.00689	0.04629	0.55350	0.55350	0.53895
6	Block 4	0.44904	0.40805			0.04099	0.43383	0.00000	0.01455	0.48937	0.00016	0.00028	0.00679	0.04630	0.52900	0.52900	0.51445
7	Block 5	0.43431	0.40805			0.02626	0.43383	0.00000	0.01455	0.47464	0.00009	0.00016	0.00672	0.04633	0.51432	0.51432	0.49977
8	Block 6	0.42452	0.40805			0.01647	0.43383	0.00000	0.01455	0.46485	0.00005	0.00008	0.00668	0.04632	0.50452	0.50452	0.48997
9 32 Interr Trans	Block 1	0.09476	0.00000			0.09476	0.00000	0.00000	0.00000	0.09476	0.00043	0.00072	(0.00111)	0.00004	0.09620	0.09620	0.09620
0	Block 2	0.08060	0.00000			0.08060	0.00000	0.00000	0.00000	0.08060	0.00037	0.00061	(0.00090)	0.00005	0.08179	0.08179	0.08179
1	Block 3	0.05698	0.00000			0.05698	0.00000	0.00000	0.00000	0.05698	0.00025	0.00043	(0.00055)	0.00006	0.05777	0.05777	0.05777
2	Block 4	0.03335	0.00000			0.03335	0.00000	0.00000	0.00000	0.03335	0.00014	0.00025	(0.00020)	0.00007	0.03373	0.03373	0.03373
3	Block 5	0.01919	0.00000			0.01919	0.00000	0.00000	0.00000	0.01919	0.00008	0.00014	0.00001	0.00009	0.01933	0.01933	0.01933
	Block 6	0.00977	0.00000	0.00000	0.00000	0.00977	0.00000	0.00000	0.00000	0.00977	0.00005	0.00008	0.00015	0.00010	0.00975	0.00975	0.00975
5 <u>33</u>		0.00542	0.00000	0.00000	0.00000	0.00542	0.00000	0.00000	0.00000	0.00542	0.00002	0.00005	(0.00009)	0.00000	0.00554	0.00554	0.00554
Sources:		O++ 2012 CI	12.14.007	12.14.00:	12.14.00:		Con Cont C	Con Cont C	Con Cont 6"		12.14.50:		12.14.00				
B Direct Inputs		Oct 2013 filing	13-14 PGA	13-14 PGA	13-14 PGA		Gas Cost file	Gas Cost file	Gas Cost file		13-14 PGA		13-14 PGA				
Permanent Increment	S											Column L					
 Temporary Increment 	s													Column O			

Including

NW Natural

Rates & Regulatory Affairs

2014-2015 PGA Filing - Oregon: September Filing

PGA Effects on Revenue - COMBINED EFFECTS

1		Revenue Sensitive <u>Amount</u>
2 3	Purchased Gas Cost Adjustment (PGA)	
4	Gas Cost Change	\$17,419,760
5 6	Capacity Cost Change	(12,948,724)
7 8 9	Total PGA Change	4,471,036
10	Temporary Rate Adjustments	
11 12 13	Proposed Temporary Increments	24,227,752
14	Removal of Gas Reserves Credit	1,203,285
15 16	Removal of Other Current Temporary Increments	(8,369,463)
17 18	Total Net Temporary Rate Adjustment	17,061,574
19 20	Base Rate Adjustments	
21 22	Proposed Safety Program Costs	4,194,706
23 24	Removal of Current Safety Program Costs	(2,236,202)
25		
26 27	Gasco Source Control	(442,992)
28 29	Total Net Base Rate Adjustment	1,515,512
30 31 32 33	TOTAL OF ALL COMPONENTS OF ALL RATE CHANGES	\$23,048,122
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

1		Surcharge	Credit	
	3-2014 PGA Gas Cost True-Up	16,814,949		
3				
	-Gas Cost Amortizations		,, , , , , , , , , , , , , , , , , , ,	
5 AM			(9,265)	
	ervenor Funding	115,468		
	dustrial DSM	1,742,355		
	pperty Sales Amortization	98,110		
	coupling	6,090,273		
10 SIP		3,618,865		
	orking Gas		(48,297)	
	SCO		(442,992)	
13 S	Subtotal	11,665,071	(500,554)	
14				
	Гotal	28,480,020	(500,554)	
16				
	al Proposed Amortization			27,979,466
18 Less	: (1)			
19 I	Intervenor Funding (1)			(115,468)
20 I	Industrial DSM (1)			(1,742,355)
21 [Decoupling (1)			(6,090,273)
22 5	SIP (2)			(3,618,865)
23 (Gasco (2)			442,992
24				
25 Net	Proposed Amortizations (subject to the	e 3% test)		16,855,497
26		<u>-</u>		
27 Utili	ity Gross Revenues (2013)			672,195,000
28				
29 3%	of Utility Gross Revenues			20,165,850
30	•			
	wed Amortization			16,855,497
32				, ,
	wed Amortization as % of Gross Reven	ues		2.5%
34				
35 Note	es:			
36 (1) A	Amortizations of the deferral are not subject	to the 3% test pursuant to 0	ORS 757.259 as they ar	e

- automatic adjustment clauses.
- 38 (2) Inclusion in rates not subject to the 3% test as they are not deferrals, but rather capital projects to 39 be included in rate base.

NW Natural

2014-15 PGA Filing: Oregon SEPTEMBER FILING

Workpaper for WARM table in RS 195

	\$0.43327		\$0.34608	
	Reside	ntial	Comn	nercial
	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	0.1647	71 -8.2	355 -\$3.5682) 129	-\$0.02766	\$1.01330	\$0.98564	\$133.15