

Rates and Regulatory Affairs
Facsimile: 503.721.2516



October 12, 2009

NWN Advice No. OPUC 09-12A
SUPPLEMENT A

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
550 Capitol Street, N.E., Suite 215
P.O. Box 2148
Salem, Oregon 97308-2148

Attn: Filing Center

**Re: UG 187 – Mandatory Replacement Filing
Annual Purchased Gas Cost and Technical Rate Adjustments
(LSN Application Enclosed)**

Northwest Natural Gas Company, dba NW Natural (“NW Natural” or the “Company”), files herewith revisions to its Tariff, P.U.C. Or. 24, as listed on the attached Table of Tariff Sheet Revisions. The Tariff sheets are stated to become effective with service on and after November 1, 2009. A request for approval on less than statutory notice is enclosed.

This mandatory replacement filing is submitted pursuant to OPUC Order 08-504 in Docket UM 1286. This filing replaces all tariff sheets and Exhibit B in its entirety, originally filed under NWN Advice No. OPUC 09-12.

Introduction and Summary

The first purpose of this filing is to (a) revise rates for the effects of changes in purchased gas costs; (b) revise rates for the further effect of removing temporary rate adjustments incorporated into rates effective November 1, 2008; and (c) apply new temporary rate adjustments for inclusion in rates effective November 1, 2009. The Company revises rates for these purposes annually; its last filing was effective November 1, 2008.

The second purpose of this filing is to make temporary adjustments to base rates for the costs associated with the Company’s System Integrity Management Program (SIMP) for Bare Steel, Pipeline Integrity Management Program, and Distribution Integrity Management Program, including the application of the final carry over balance from the Geo-Hazard Program.

The third purpose of this filing is to make permanent adjustments to base rates for (a) the inclusion in rates of a portion of Mist storage capacity previously used for upstream sales capacity, and; (b) price elasticity effects of the rate decrease reflected in this filing.

If the effects of the temporary rate increments were permanent, the result of all components of the rate changes would be a decrease in the Company's revenues from its Oregon operations of about \$185,942,797 or about 21.19%.

Effect on Customer Bills

The average residential Schedule 2 bill will decrease by 18.1%; the commercial Schedule 3 bill will decrease by 21.1%; the commercial Schedule 31 firm sales service bill will decrease by 26.5% and; the bill for the average Schedule 32 industrial firm sales customer will decrease by 30.9%.

The monthly bill of the average residential customer served under Schedule 2 using 55 therms per month will decrease by \$14.96. The monthly decrease for the average commercial Schedule 3 customer using 230 therms is \$64.39.

See Exhibit B of this filing for materials in support of the application of all adjustments to the applicable rate schedules.

In a separate filing, the Company has requested Commission approval to increase the portion of the Schedule 301 public purposes charge that funds the programs managed by the Energy Trust of Oregon. If approved, the combined effect of both of these filings would be a net bill decrease to residential customers of about 15.7%, and a net bill decrease to commercial customers of about 18.9%

Additional details about this combined filing are described below.

I. UM 1286 PGA Filing Guidelines

The Company includes with this filing an updated PGA Summary Sheet as prescribed by OPUC Order Nos. 09-263 / 09-248 in Docket UM 1286. The Company incorporates herein by reference, all other materials filed as Exhibit A in its original filing dated August 31, 2009 under NWN Advice No. OPUC 09-12.

The Company also incorporates herein by reference the PGA Filing Guidelines, Section V, as previously submitted.

II. Purchased Gas Cost Adjustment (PGA)

This portion of the filing will pass through (1) changes in the cost of gas purchased by the Company from its natural gas suppliers, including the costs of purchasing financial derivative products to limit customers' exposure to gas cost volatility, and (2) changes in the cost of pipeline and storage capacity under contract with the Company's pipeline transporters.

This filing applies the method for calculating the proposed Annual Sales Weighted Average Cost of Gas ("WACOG") that is set forth in a joint party stipulation approved by the Commission in OPUC Order No. 08-504, Docket UM 1286, and as further prescribed by the PGA Filing Guidelines, Section III (1)(d) of OPUC Order Nos. 09-263 / 09-248 in Docket UM 1286. In addition, this filing revises the Winter Sales WACOG option that is available to the Company's Rate Schedule 31 and 32 sales service customers.

This filing also applies the methods for treatment of storage inventory gas and Annual Sales WACOG calculations agreed to between the Staff and the Company in August, 2001, as described in more detail in the Company's PGA filing dated August 14, 2001, NWN Advice No. OPUC 01-18.

The total effect of the PGA portion of this filing is to decrease the Company's annual revenues by about \$173,555,353. The effect of the change in gas costs is a decrease of \$172,391,804, which results in a proposed Annual Sales WACOG of \$0.58734 per therm, and a proposed Winter Sales WACOG of \$0.56328.

The effect of the change in demand charges is a decrease in total demand charges of about \$1,163,549. However, the volumes used to derive the demand charge in this filing are lower than the volumes in the previous PGA filing, which results in a proposed firm service pipeline capacity charge of \$0.12502 per therm, or \$1.87 per therm of MDDV, and a proposed interruptible service pipeline capacity charge of \$0.01486 per therm, all of which are higher than the respective charges currently in effect.

If there are changes in the Company's gas supply costs or costs associated with pipeline services and charges from the levels used to develop the purchased gas adjustments included in this filing, then the Company will reflect such changes to Oregon gas customers in a manner approved by the Commission.

III. Temporary Rate Adjustments

This portion of the filing makes a number of periodic temporary technical adjustments to rates in order to amortize credit or debit balances in its revenue and gas cost balancing accounts and certain other approved Federal Energy Regulatory Commission (FERC) deferred accounts, Accounts 186 and 191,

respectively. The rate increments associated with the amortization of the applicable deferral accounts have been calculated in accordance with the PGA Filing Guidelines, Section III(1)(a) as prescribed by OPUC Order Nos. 09-263 / 09-248 in Docket UM 1286.

This portion of the filing is in compliance with ORS 757.259 (2003), which authorizes deferred utility expenses or revenues to be allowed (amortized) in rates to the extent authorized by the Commission in a proceeding to change rates. All of the deferrals included in this filing occurred with appropriate application by Commission authorization, as rate orders or under approved tariffs.

This filing does not require a review of earnings due to the elimination of the fall earnings review pursuant to OPUC Order No. 08-504 in Docket UM 1286. For the purpose of recovering "other" deferred balances as outlined in ORS 757.259, the required earnings review covering the period(s) during which the deferrals in this filing occurred was performed with Staff's adoption of the 2009 Spring Earnings Review. Page 17 of Exhibit B shows the total proposed average change being applied to billing rates a decrease of \$33.5 million, which is more than the current three percent limit of \$27.7 million. However, because the result is a benefit (rate decrease) to customers, the Company respectfully requests a waiver of the three percent limit.

The net effect of this portion of the filing is to decrease the Company's annual revenues by \$11,144,617. The effect of removing the temporary adjustments placed into rates November 1, 2008 is an increase of \$10,194,193. The effect of applying the new temporary rate adjustments is a decrease of \$21,338,810.

IV. Base Rate Adjustments

The effect of this portion of the filing is to decrease the Company's annual revenues by \$1,242,827.

This portion of the filing makes a number of temporary and permanent adjustments to customer rates as follows:

System Integrity Management Programs. This filing applies temporary adjustments to permanent rates that relate to Part A: Bare Steel, Part B: Transmission Integrity management (TIMP); and Part C: Distribution Integrity Management (DIMP) pursuant to a Stipulation adopted by the Commission in Docket UM 1406, as described in Schedule 177.

Geohazard. This filing applies temporary adjustments to permanent rates that relate to the carry over balance associated with the Geohazard program, which was implemented pursuant to a Stipulation and Agreement adopted by the Commission in Docket UM 1030 and which is now terminated.

Price Elasticity. This filing applies the permanent effects of the price elasticity adjustment pursuant to a Stipulation and Agreement adopted by the Commission in Docket UG 143 and described in Schedule 163.

Mist Recall. This adjustment represents the permanent rate effects of the recall of 100,000 therms per day of Mist reservoir capacity and 50,000 therms per day of compression capacity from upstream market activities for use by the Company's core customers. This adjustment has been applied to rate schedules in the same manner as all Mist expansion projects, as described in Schedule 176.

Pre-1987 Assets. This adjustment is pursuant to OPUC Order No. 08-578 in Docket UM 1335 and represents the permanent rate effects of the delayed implementation of the amortization changes related to the pre-1981 regulatory assets.

The Company requests that the tariff sheets filed herewith be permitted to become effective with service on and after November 1, 2009.

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 efiling@nwnatural.com, with copies to the following:

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ncs@nwnatural.com

Sincerely,

NW NATURAL

/s/ Onita King

Onita R. King
Regulatory Affairs

Attachments: Tariffs
PGA Summary Sheet of Exhibit A
Exhibit B

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

550 CAPITOL ST NE STE 215

SALEM, OR 97301-2551

IN THE MATTER OF THE APPLICATION OF)	UTILITY L.S.N. APPLICATION
NW NATURAL)	
)	NO. _____
TO WAIVE STATUTORY NOTICE.)	

NOTE: ATTACH EXHIBIT IF SPACE IS INSUFFICIENT

1. GENERAL DESCRIPTION OF THE PROPOSED SCHEDULE(S) ADDITION, DELETION OF CHANGE. (SCHEDULE INCLUDES ALL RATES, TOLLS AND CHARGES FOR SERVICE AND ALL RULES AND REGULATIONS AFFECTING THE SAME)

This filing replaces all tariff sheets and Exhibit B in its entirety, originally filed on August 31, 2009 under NWN Advice No. OPUC 09-12, and docketed by the Commission as UG 187.

2. APPLICANT DESIRES TO CHANGE THE SCHEDULE(S) NOW ON FILE KNOWN AND DESIGNATED AS: (INSERT SCHEDULE REFERENCE BY NUMBER, PAGE, AND ITEM)

8th Rev. of Sheet 1-1, 8th Rev. of Sheet 2-1, 7th Rev. of Sheet 3-3, 7th Rev. of Sheet 19-1, 4th Rev. of Sheet 31-9, 5th Rev. of Sheet 31-10, 4th Rev. of Sheet 32-9, 6th Rev. of Sheet 32-10, 5th Rev. of Sheet 33-6, 9th Rev. of Sheet 100-1, 4th Rev. of Sheet 100-2, Original Sheet 100-3, 8th Rev. of Sheet 162-1, 7th Rev. of Sheet 162-2, 9th Rev. of Sheet 163-1, 7th Rev. of Sheet 164-1, Original Sheet 166-1, Original Sheet 166-2, 2nd Rev. of Sheet 169-1, 2nd Rev. of Sheet 177-1, 8th Rev. of Sheet 177-2, 6th Rev. of Sheet 177-3, 9th Rev. of Sheet 190-1, 8th Rev. of Sheet 190-2, 6th Rev. of Sheet 195-4, 5th Rev. of Sheet 195-5, 5th Rev. of Sheet P-2, 6th Rev. of Sheet P-3, and 8th Rev. of Sheet P-5.

3. THE PROPOSED SCHEDULE(S) SHALL BE AS FOLLOWS: (INSERT SCHEDULE REFERENCE BY NUMBER, PAGE, AND ITEM)

9th Rev. of Sheet 1-1, 9th Rev. of Sheet 2-1, 8th Rev. of Sheet 3-3, 8th Rev. of Sheet 19-1, 5th Rev. of Sheet 31-9, 6th Rev. of Sheet 31-10, 5th Rev. of Sheet 32-9, 7th Rev. of Sheet 32-10, 6th Rev. of Sheet 33-6, 10th Rev. of Sheet 100-1, 5th Rev. of Sheet 100-2, 1st Rev. of Sheet 100-3, 9th Rev. of Sheet 162-1, 8th Rev. of Sheet 162-2, 10th Rev. of Sheet 163-1, 8th Rev. of Sheet 164-1, 1st Rev. of Sheet 166-1, 1st Rev. of Sheet 166-2, 3rd Rev. of Sheet 169-1, 3rd Rev. of Sheet 177-1, 9th Rev. of Sheet 177-2, 7th Rev. of Sheet 177-3, 10th Rev. of Sheet 190-1, 9th Rev. of Sheet 190-2, 7th Rev. of Sheet 195-4, 6th Rev. of Sheet 195-5, 6th Rev. of Sheet P-2, 7th Rev. of Sheet P-3, and 9th Rev. of Sheet P-5.

4. REASONS FOR REQUESTING A WAIVER OF STATUTORY NOTICE:

This mandatory replacement filing is submitted pursuant to OPUC Order 08-504 in Docket UM 1286.

5. REQUESTED EFFECTIVE DATE OF THE NEW SCHEDULE(S) OR CHANGES(S) 11/01/09

6. AUTHORIZED SIGNATURE:	TITLE	DATE
/s/ Onita King	Rates & Regulatory Affairs	10/12/09

PUC USE ONLY		
<input type="checkbox"/> APPROVED	<input type="checkbox"/> DENIED	EFFECTIVE DATE OF APPROVED SCHEDULE(S) OR CHANGE

AUTHORIZED SIGNATURE:	DATE
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**TABLE OF TARIFF SHEET REVISIONS
PROPOSED TO BECOME EFFECTIVE NOVEMBER 1, 2009**

PROPOSED REVISION	CANCELS REVISION	SCHEDULE TITLE
Thirteenth Revision of Sheet v	Twelfth Revision of Sheet v	Tariff Index
Ninth Revision of Sheet 1-1	Eighth Revision of Sheet 1-1	Schedule 1 "General Sales Service"
Ninth Revision of Sheet 2-1	Eighth Revision of Sheet 2-1	Schedule 2 "Residential Sales Service"
Eighth Revision of Sheet 3-3	Seventh Revision of Sheet 3-3	Schedule 3 "Basic Firm Sales Service – Non-Residential"
Eighth Revision of Sheet 19-1	Seventh Revision of Sheet 19-1	Schedule 19 "Gas Light Service"
Fifth Revision of Sheet 31-9	Fourth Revision of Sheet 31-9	Schedule 31 "Non-Residential Sales and Transportation Service"
Sixth Revision of Sheet 31-10	Fifth Revision of Sheet 31-10	Schedule 31 "Non-Residential Sales and Transportation Service"
Fifth Revision of Sheet 32-9	Fourth Revision of Sheet 32-9	Schedule 32 "Large Volume Non-Residential Sales and Transportation Service"
Fifth Revision of Sheet 32-10	Sixth Revision of Sheet 32-10	Schedule 32 "Large Volume Non-Residential Sales and Transportation Service"
Sixth Revision of Sheet 33-6	Fifth Revision of Sheet 33-6	Schedule 33 "High-Volume Non-Residential Firm and Interruptible Transportation Service"
Tenth Revision of Sheet 100-1	Ninth Revision of Sheet 100-1	Schedule 100 "Summary of Adjustments"
Original Sheet 100-1.1	N/A	Schedule 100 "Summary of Adjustments (continued)"
Fifth Revision of Sheet 100-2	Fourth Revision of Sheet 100-2	Schedule 100 "Summary of Adjustments (continued)"
First Revision of Sheet 100-3	Original Sheet 100-3	Schedule 100 "Summary of Adjustments (continued)"
Ninth Revision of Sheet 162-1	Eighth Revision of Sheet 162-1	Schedule 162 "Temporary (Technical) Adjustments to Rates"
Eighth Revision of Sheet 162-2	Seventh Revision of Sheet 162-2	Schedule 162 "Temporary (Technical) Adjustments to Rates"
Tenth Revision of Sheet 163-1	Ninth Revision of Sheet 163-1	Schedule 163 "Special Adjustment to Rates Price Elasticity"

PROPOSED REVISION	CANCELS REVISION	SCHEDULE TITLE
Eighth Revision of Sheet 164-1	Seventh Revision of Sheet 164-1	Schedule 164 "Purchased Gas Cost Adjustment to Rates"
First Revision of Sheet 166-1	Original Sheet 166-1	Schedule 166 "Adjustments to Rates (UM 1335)"
First Revision of Sheet 166-2	Original Sheet 166-2	Schedule 166 "Adjustments to Rates (UM 1335)"
Third Revision of Sheet 169-1	Second Revision of Sheet 169-1	Schedule 169 "Special Adjustment to Rates for Storage Inventories"
Original Sheet 170-1	N/A	Schedule 170 "Special Adjustment to Rates for Pension Expense"
Original Sheet 172-1	N/A	Schedule 172 "Special Adjustment to Rates for Intervenor Funding"
Third Revision of Sheet 177-1	Second Revision of Sheet 177-1	Schedule 177 "System Integrity Program Rate Adjustment"
Ninth Revision of Sheet 177-2	Eighth Revision of Sheet 177-2 and Original Sheet 177-2.1	Schedule 177 "System Integrity Program Rate Adjustment (continued)"
Seventh Revision of Sheet 177-3	Sixth Revision of Sheet 177-3, Original Sheet 177-3.1, Fifth Revision of Sheet 177-4 and Original Sheet 177-4.1	Schedule 177 "System Integrity Program Rate Adjustment (continued)"
Original Sheet 187-1	N/A	Schedule 187 "Special Rate Adjustment for Mist Capacity Recall"
Tenth Revision of Sheet 190-1	Ninth Revision of Sheet 190-1	Schedule 190 "Partial Decoupling Mechanism"
Ninth Revision of Sheet 190-2	Eighth Revision of Sheet 190-2	Schedule 190 "Partial Decoupling Mechanism"
Seventh Revision of Sheet 195-4	Sixth Revision of Sheet 195-4	Schedule 195 "Weather Adjusted Rate Mechanism (WARM Program)"
Sixth Revision of Sheet 195-5	Fifth Revision of Sheet 195-5	Schedule 195 "Weather Adjusted Rate Mechanism (WARM Program)"
Original Sheet 305-1	N/A	Schedule 305 "Special Adjustment to Rates for Smart Energy Program Costs"
Sixth Revision of Sheet P-2	Fifth Revision of Sheet P-2	Schedule P "Purchased Gas Cost Adjustments"
Seventh Revision of Sheet P-3	Sixth Revision of Sheet P-3	Schedule P "Purchased Gas Cost Adjustments"
Ninth Revision of Sheet P-5	Eighth Revision of Sheet P-5	Schedule P "Purchased Gas Cost Adjustments"

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Thirteenth Revision of Sheet v
Cancels Twelfth Revision of Sheet v

TARIFF INDEX

(continued)

SHEET

ADJUSTMENT SCHEDULES

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Schedule 170: Special Adjustment to Rates for Pension Expense	170-1	(N)
Schedule 172: Special Adjustment to Rates for Intervenor Funding	172-1	(N)
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Schedule 185: Special Annual Interstate Storage and Transportation Credit	185-1	
Schedule 186: Special Annual Core Storage and Pipeline Capacity Optimization Credit	186-1	(N)
Schedule 187: Special Rate Adjustment for Mist Capacity Recall	187-1	(N)
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Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

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

RATE SCHEDULE 1 GENERAL SALES SERVICE

AVAILABLE:

To all Residential and Commercial Customer classes in all territory served by the Company under the Tariff of which this Rate Schedule is a part, except that service under this Rate Schedule is not available for Standby Service to Commercial Customers. Seasonal or temporary Discontinuance 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 Schedule, is subject to the provisions of **SCHEDULE X**.

(C)

SERVICE DESCRIPTION:

Service under this Rate Schedule is Firm Sales Service to gas-fired equipment including but not limited to one or any multiple or combination of the following:

- (a) Non-ducted space heating equipment, including but not limited to fireplace inserts, free standing gas stoves, and room heaters;
- (b) Standby space heating equipment used in residential applications, including but not limited to Natural Gas back-up to electric heat pumps,
- (c) Water heating equipment used to serve single-family residential swimming pools, spas, and hot tubs;
- (c) Other equipment including, but not limited to, log lighter, gas log, gas barbecue, tiki torch, Bunsen burner, Domestic cooking equipment, hobby kilns, refrigeration or Domestic clothes drying;
- (d) Equipment installed for use in detached garages, shops, or outbuildings.

MONTHLY RATE: Effective: November 1, 2009

(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 Rate Adjustment	Pipeline Capacity	Commodity	Temporary Adjustment	Total Billing
Customer Charge:	\$5.00	---	---	---	---	\$5.00
Delivery Charge (per therm):						
Residential	\$0.47627	\$0.01943	\$0.12502	\$0.58734	\$(0.01944)	\$1.18862
Commercial	\$0.46003	\$0.01431	\$0.12502	\$0.58734	\$(0.04943)	\$1.13727

(R)

(R)

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

(continue to Sheet 1-2)

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Ninth Revision of Sheet 2-1
Cancels Eighth 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. Seasonal or temporary Discontinuance 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, for at least one of the following purposes:

- (a) Operation of ducted forced air Natural Gas space heating equipment that is the primary source for space heating requirements, and/or;
- (b) Operation of fully automatic water heating equipment for primary water heating requirements.

Service under this Rate Schedule includes the use of gas for equipment installed in addition to (a) or (b).

MONTHLY RATE: Effective: November 1, 2009

(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 Rate Adjustment	Pipeline Capacity	Commodity	Temporary Adjustment	Total Billing
Customer Charge:	\$6.00	---	---	---	---	\$6.00
Volumetric Charge (per therm):	\$0.41434	\$0.01437	\$0.12502	\$0.58734	\$(0.01920)	\$1.12187

(R)

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

(continue to Sheet 2-2)

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Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Eighth Revision of Sheet 3-3
 Cancels Seventh Revision of Sheet 3-3

RATE SCHEDULE 3

BASIC FIRM SALES SERVICE - NON-RESIDENTIAL (continued)

MONTHLY RATE: Effective: November 1, 2009

(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:						Billing Rates [1]
Customer Charge (per month):						\$8.00
Volumetric Charges (per therm):	Base Rate	Base Rate Adjustment	Pipeline Capacity	Commodity Component [2]	Temporary Adjustment	
Commercial (3 CSF):	\$0.33559	\$0.01121	\$0.12502	\$0.58734	\$(0.04929)	\$1.00987
Industrial (3 ISF):	\$0.30693	\$0.01004	\$0.12502	\$0.58734	\$(0.05281)	\$0.97652
Standby Charge (per therm of MHDV) [3]:						\$10.00

(R)

(R)

- [1] **SCHEDULE C** and **SCHEDULE 15** Charges shall apply, if applicable.
- [2] The Commodity Component will be either Annual Sales WACOG or Monthly Incremental Cost of Gas.
- [3] Applies to Standby Sales Service only.

Minimum Monthly Bill. The Minimum Monthly Bill shall be any **SCHEDULE C** and **SCHEDULE 15** Charges, plus:

- (a) **Firm Sales Service.** Customer Charge.
- (b) **Firm Sales Standby Service.** Customer Charge, plus Standby Service Charge.

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Effective with service on
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NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Eighth Revision of Sheet 19-1
Cancels Seventh Revision Sheet 19-1

FROZEN

RATE SCHEDULE 19 GAS LIGHT SERVICE

AVAILABLE:

In all territory served by the Company under the Tariff of which this Rate Schedule is a part for use exclusively in gas lighting devices to which Distribution Facilities were committed or installed prior to August 10, 1973.

SERVICE DESCRIPTION:

Firm unmetered gas service delivered on a continuous basis for use in gas lamps, not exceeding a rated capacity of 2.5 cubic feet per hour per Mantle or Mantle equivalent; and, only to approved installations using gas for mood or atmosphere lighting, for porch, patio or walkway lamps and for roadway or street lighting. Gas lamps installed downstream of the meter will be treated as additional equipment under the Rate Schedule appropriate for the existing service.

BILLING UNIT:

Rates for gas service under this Rate Schedule are expressed in units of the standard Mantle with a maximum rated capacity of 2.5 cubic feet per hour.

MONTHLY RATE: Effective: November 1, 2009

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.

	Base Rate	Base Rate Adjustments	Temporary Adjustments	Billing Rate
One mantle	\$18.31	\$0.07	\$(0.99)	\$17.39
All additional mantles	\$17.70	\$0.07	\$(0.99)	\$16.78
Minimum Monthly Bill: Amount based on number of mantles installed				

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, and by all rules and regulations prescribed by regulatory authorities, as amended from time to time.

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Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Fifth Revision of Sheet 31-9
Cancels Fourth Revision of Sheet 31-9

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

MONTHLY RATES FOR COMMERCIAL CUSTOMER CLASS:

Effective: November 1, 2009

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**. The rates for distributed generation customers are subject to **SCHEDULE 31-CHP**.

FIRM SALES SERVICE CHARGES (31 CSF) [1]:					Billing Rates
Customer Charge (per month):					\$325.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
Block 1: 1 st 2,000 therms	\$0.17645	\$0.00898	\$0.58734	\$(0.04919)	\$0.72358
Block 2: All additional therms	\$0.16079	\$0.00853	\$0.58734	\$(0.04917)	\$0.70749
Pipeline Capacity Charge Options (select one):					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					\$0.12502
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					\$1.87
INTERRUPTIBLE SALES SERVICE CHARGES (31 CSI) [1]:					
Customer Charge (per month):					\$325.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Commodity Component: [2]	Total Temporary Adjustments [3]	
Block 1: 1 st 2,000 therms	\$0.17811	\$0.00737	\$0.58734	\$(0.04333)	\$0.72949
Block 2: All additional therms	\$0.16230	\$0.00706	\$0.58734	\$(0.04332)	\$0.71338
Plus: Interruptible Pipeline Capacity Charge - Volumetric (per therm):					\$0.01486
FIRM TRANSPORTATION SERVICE CHARGES (31 CTF):					
Customer Charge (per month):					\$325.00
Transportation Charge (per month):					\$250.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Total Temporary Adjustments [4]	
Block 1: 1 st 2,000 therms	\$0.17708	\$0.00820		\$0.00227	\$0.18755
Block 2: All additional therms	\$0.16137	\$0.00782		\$0.00229	\$0.17148

- [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 31-10)

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

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

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Sixth Revision of Sheet 31-10
Cancels Fifth Revision of Sheet 31-10

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

MONTHLY RATES FOR INDUSTRIAL CUSTOMER CLASS:

Effective: November 1, 2009

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**. The rates for distributed generation customers are subject to **SCHEDULE 31-CHP**.

(T)

FIRM SALES SERVICE CHARGES (31 ISF) [1]:					Billing Rates
Customer Charge (per month):					\$325.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
Block 1: 1 st 2,000 therms	\$0.16358	\$0.00513	\$0.58734	\$(0.05275)	\$0.70330
Block 2: All additional therms	\$0.14781	\$0.00462	\$0.58734	\$(0.05272)	\$0.68705
Pipeline Capacity Charge Options (select one):					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					\$0.12502
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					\$1.87
INTERRUPTIBLE SALES SERVICE CHARGES (31 ISI) [1]:					
Customer Charge (per month):					\$325.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	
Block 1: 1 st 2,000 therms	\$0.25433	\$0.13054	\$0.58734	\$(0.05273)	\$0.91948
Block 2: All additional therms	\$0.22983	\$0.11797	\$0.58734	\$(0.05216)	\$0.88298
Plus: Interruptible Pipeline Capacity Charge - Volumetric (per therm):					\$0.01486
FIRM TRANSPORTATION SERVICE CHARGES (31 ITF):					
Customer Charge (per month):					\$325.00
Transportation Charge (per month):					\$250.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Total Temporary Adjustments [4]	
Block 1: 1 st 2,000 therms	\$0.16317	\$0.00446		\$(0.00017)	\$0.16746
Block 2: All additional therms	\$0.14744	\$0.00403		\$(0.00015)	\$0.15132

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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.

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Fifth Revision of Sheet 32-9
Cancels Fourth Revision of Sheet 32-9

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

MONTHLY RATES:

Effective: November 1, 2009

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**. The rates for distributed generation customers are subject to **SCHEDULE 32-CHP**.

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FIRM SALES SERVICE CHARGES [1]:					
Customer Charge (per month, all service types):					\$675.00
	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]	Billing Rates
32 CSF Volumetric Charges (per therm):					
Block 1: 1 st 10,000 therms	\$0.09710	\$0.00276	\$0.58734	\$(0.05155)	\$0.63565
Block 2: Next 20,000 therms	\$0.08252	\$0.00235	\$0.58734	\$(0.05153)	\$0.62068
Block 3: Next 20,000 therms	\$0.05826	\$0.00165	\$0.58734	\$(0.05150)	\$0.59575
Block 4: Next 100,000 therms	\$0.03399	\$0.00096	\$0.58734	\$(0.05146)	\$0.57083
Block 5: Next 600,000 therms	\$0.01943	\$0.00055	\$0.58734	\$(0.05145)	\$0.55587
Block 6: All additional therms	\$0.00972	\$0.00028	\$0.58734	\$(0.05143)	\$0.54591
32 ISF Volumetric Charges (per therm):					
Block 1: 1 st 10,000 therms	\$0.09775	\$0.00297	\$0.58734	\$(0.05265)	\$0.63541
Block 2: Next 20,000 therms	\$0.08308	\$0.00253	\$0.58734	\$(0.05263)	\$0.62032
Block 3: Next 20,000 therms	\$0.05866	\$0.00178	\$0.58734	\$(0.05259)	\$0.59519
Block 4: Next 100,000 therms	\$0.03421	\$0.00105	\$0.58734	\$(0.05256)	\$0.57004
Block 5: Next 600,000 therms	\$0.01956	\$0.00059	\$0.58734	\$(0.05254)	\$0.55495
Block 6: All additional therms	\$0.00980	\$0.00030	\$0.58734	\$(0.05252)	\$0.54492
Firm Service Distribution Capacity Charge (per therm of MDDV per month):					\$0.15748
Firm Sales Service Storage Charge (per therm of MDDV per month):					\$0.20415
Pipeline Capacity Charge Options (select one):					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					\$0.12502
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV per month):					\$1.87
INTERRUPTIBLE SALES SERVICE CHARGES [4]:					
Customer Charge (per month):					\$675.00
32 CSI or ISI Volumetric Charges (per therm):					
Block 1: 1 st 10,000 therms	\$0.09752	\$0.00263	\$0.58734	\$(0.04685)	\$0.64064
Block 2: Next 20,000 therms	\$0.08289	\$0.00223	\$0.58734	\$(0.04683)	\$0.62563
Block 3: Next 20,000 therms	\$0.05852	\$0.00158	\$0.58734	\$(0.04680)	\$0.60064
Block 4: Next 100,000 therms	\$0.03414	\$0.00093	\$0.58734	\$(0.04677)	\$0.57564
Block 5: Next 600,000 therms	\$0.01951	\$0.00052	\$0.58734	\$(0.04675)	\$0.56062
Block 6: All additional therms	\$0.00977	\$0.00026	\$0.58734	\$(0.04674)	\$0.55063
Interruptible Pipeline Capacity Charge (per therm):					\$0.01486

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

(continue to Sheet 32-10)

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

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

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Seventh Revision of Sheet 32-10
Cancels Sixth Revision of Sheet 32-10

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

MONTHLY RATES:

Effective: November 1, 2009

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. The rates for distributed generation customers are subject to **SCHEDULE 32-CHP**.

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FIRM TRANSPORTATION SERVICE CHARGES (32 CTF or 32 ITF) [1]:					Billing Rates
Customer Charge (per month):					\$675.00
Transportation Charge (per month):					\$250.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Total Temporary Adjustments [2]	
Block 1: 1 st 10,000 therms	\$0.09708	\$0.00224		\$(0.00007)	\$0.09925
Block 2: Next 20,000 therms	\$0.08250	\$0.00190		\$(0.00006)	\$0.08434
Block 3: Next 20,000 therms	\$0.05825	\$0.00134		\$(0.00003)	\$0.05956
Block 4: Next 100,000 therms	\$0.03399	\$0.00078		\$(0.00001)	\$0.03476
Block 5: Next 600,000 therms	\$0.01942	\$0.00045		\$0.00001	\$0.01988
Block 6: All additional therms	\$0.00973	\$0.00023		\$0.00002	\$0.00998
Firm Service Distribution Capacity Charge (per therm of MDDV per month):					\$0.15748
INTERRUPTIBLE TRANSPORTATION SERVICE CHARGES (32 CTI or ITI) [3]:					
Customer Charge (per month):					\$675.00
Transportation Charge (per month):					\$250.00
Volumetric Charges (per therm)	Base Rate	Base Rate Adjustment		Temporary Adjustments [2]	
Block 1: 1 st 10,000 therms	\$0.09744	\$0.00220		\$(0.00007)	\$0.09957
Block 2: Next 20,000 therms	\$0.08282	\$0.00187		\$(0.00006)	\$0.08463
Block 3: Next 20,000 therms	\$0.05847	\$0.00132		\$(0.00003)	\$0.05976
Block 4: Next 100,000 therms	\$0.03411	\$0.00077		\$(0.00001)	\$0.03487
Block 5: Next 600,000 therms	\$0.01950	\$0.00044		\$0.00001	\$0.01995
Block 6: All additional therms	\$0.00977	\$0.00022		\$0.00002	\$0.01001

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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 October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Sixth Revision of Sheet 33-6
 Cancels Fifth Revision of Sheet 33-6

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

MONTHLY RATE:

Effective: November 1, 2009

(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. The rates for Coos County customers are subject to the additional adjustment set forth in **SCHEDULE 160**.

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:		\$0.00526	\$0.00013	\$(0.00001)	\$0.00538
Firm Service Distribution Capacity Charge: Per therm of MDDV per month					\$0.15748
Minimum Monthly Bill: Customer Charge, plus Transportation Charge, plus Firm Service Distribution Capacity Charge, plus any other charges that may apply from SCHEDULE C and SCHEDULE 15 .					

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INTERRUPTIBLE TRANSPORTATION SERVICE CHARGES (33 TI)					
					Billing Rates
Customer Charge:					\$38,000.00
Transportation Charge:					\$250.00
Volumetric Charge:		Base Rate	Base Rate Adjustments	Total Temporary Adjustment [1]	
Per therm, all therms:		\$0.00526	\$0.00013	\$(0.00001)	\$0.00538
Minimum Monthly Bill: Customer Charge, plus Transportation Charge, plus any other charges that may apply from SCHEDULE C and SCHEDULE 15 .					

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

Issued October 12, 2009
 NWN Advice No. OPUC 09-12A

Effective with service on
 and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

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

SCHEDULE 100 SUMMARY OF ADJUSTMENTS

PURPOSE:

The purpose of this Schedule is to list and summarize the adjustment Schedules applicable to each of the Company's Rate Schedules.

SCHEDULE	A	160	161	162	163	164	166	167	169	170	172	176	177
1R	ADD	ADD	ADD	INC	INC	INC	INC	INC	INC	INC	INC	INC	INC
1C	ADD	ADD	ADD	INC	INC	INC	INC	INC	INC	INC	INC	INC	INC
2	ADD	ADD	ADD	INC	INC	INC	INC	INC	INC	INC	INC	INC	INC
3 (CSF)	ADD	ADD	ADD	INC	INC	INC	INC	INC	INC	INC	INC	INC	INC
3 (ISF)	ADD	ADD	ADD	INC	INC	INC	INC	INC	INC	INC	INC	INC	INC
15	ADD						INC	INC		INC			
19	ADD		ADD	ADD		INC	INC	INC	INC				INC
31 (CSF)	ADD	ADD	ADD	INC	INC	INC	INC	INC	INC	INC		INC	INC
31 (CSI)	ADD	ADD	ADD	INC	INC	INC	INC	INC	INC	INC		INC	INC
31 (CTF)	ADD		ADD	INC	INC	INC	INC	INC	INC	INC		INC	INC
31 (ISF)	ADD	ADD	ADD	INC		INC	INC	INC	INC	INC	INC	INC	INC
31 (ISI)	ADD	ADD	ADD	INC		INC	INC	INC	INC	INC	INC	INC	INC
31 (ITF)	ADD		ADD	INC			INC	INC		INC	INC	INC	INC
32 (CSF/ISF)	ADD	ADD	ADD	INC		INC	INC	INC	INC	INC	INC		INC
32 (CSI/ISI)	ADD	ADD	ADD	INC		INC	INC	INC	INC	INC	INC		INC
32 (CTF/ITF)	ADD		ADD	INC			INC	INC		INC	INC		INC
32 (CTI/ITI)	ADD		ADD	INC			INC	INC		INC	INC		INC
33 (CTI/ITI)	ADD		ADD	INC			INC	INC		INC		INC	INC
33 (CTF/ITF)	ADD		ADD	INC			INC	INC		INC		INC	INC
60	ADD							INC		INC			

(C)

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Table Code Key:

- ADD** This adjustment is added to the billing rates at the time the bill is issued.
- INC** This adjustment is included in the billing rates shown on the Rate Schedule.

(continue to Sheet 100-1.1)

Issued October 12, 2009
 NWN Advice No. OPUC 09-12A

Effective with service on
 and after November 1, 2009

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

PURPOSE: (continued)

SCHEDULE	185	186	187	188	190	195	199	301	305
1R	ADD	ADD	INC		INC		INC	ADD	INC
1C	ADD	ADD	INC		INC		INC	ADD	INC
2	ADD	ADD	INC		INC	ADD	INC	ADD	INC
3 (CSF)	ADD	ADD	INC		INC	ADD	INC	ADD	INC
3 (ISF)	ADD	ADD		INC			INC		
15									
19							INC		INC
31 (CSF)	ADD	ADD	INC		INC		INC	ADD	INC
31 (CSI)		ADD	INC		INC		INC	ADD	INC
31 (CTF)					INC		INC		
31 (ISF)	ADD	ADD	INC	INC			INC		
31 (ISI)		ADD	INC	INC			INC		
31 (ITF)							INC		
32 (CSF/ISF)	ADD	ADD	INC	INC			INC		
32 (CSI/ISI)		ADD	INC	INC			INC		
32 (CTF/ITF)							INC		
32 (CTI/ITI)							INC		
33 (CTI/ITI)							INC		
33 (CTF/ITF)							INC		
60									

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Table Code Key:

- ADD** This adjustment is added to the billing rates at the time the bill is issued.
- INC** This adjustment is included in the billing rates shown on the Rate Schedule.

(continue to Sheet 100-2)

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Fifth Revision of Sheet 100-2
Cancels Fourth Revision of Sheet 100-2

SCHEDULE 100 SUMMARY OF ADJUSTMENTS (continued)

The following is a brief description of the applicable Schedules:

Schedule A "Billing for City and County Exactions."

This adjustment will be reflected directly on Customer bills.

Schedule 160 "Revision of Charges for Coos County Customers."

This adjustment is added to the Delivery Charges for applicable Coos County Customers.

Schedule 161 "Automatic Adjustment for Utility Income Tax"

These are one-time annual lump sum adjustments to bills that do not affect Rate Schedule billing rates.

Schedule 162 "Temporary (Technical) Adjustments to Rates."

These are Temporary Adjustments that are included in the Delivery Charge reflected on Customer bills.

Schedule 163 "Special Adjustment to Rates Price Elasticity"

These are Base Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

Schedule 164 "Purchased Gas Cost Adjustments to Rates."

These are Pipeline Capacity and Commodity charges

Schedule 166 "Adjustments to Rates (UM 1335)."

These are Base Adjustments associated with a change in depreciation rates that are included in Delivery or Volumetric Charges reflected on Customer bills.

Schedule 167 "General Adjustments to Rates."

These are Base Adjustments that are included in all applicable charges reflected on Customer bills

Schedule 169 "Special Adjustment to Rates for Storage Inventories."

These are Temporary Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

Schedule 170 "Special Adjustment to Rates for Pension Expense."

These are Temporary Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

(N)
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(N)

Schedule 172 "Special Adjustment to Rates for Intervenor Funding."

These are Temporary Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

(N)
(N)
(N)

Schedule 176 "Adjustments to Rates for Costs Relating to Mist Storage Expansion."

These are Base Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

Schedule 177 "System Integrity Program Rate Adjustment."

These are Base Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

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Schedule 185 "Special Annual Interstate Storage and Transportation Credit."

These are one-time annual lump sum adjustments to bills that do not affect Rate Schedule billing rates.

(continue to Sheet 100-3)

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

First Revision of Sheet 100-3
Cancels Original Sheet 100-3

SCHEDULE 100 SUMMARY OF ADJUSTMENTS (continued)

Schedule 186 "Special Annual Core Pipeline Capacity Optimization Credit."

These are one-time annual lump sum adjustments to bills that do not affect Rate Schedule billing rates.

Schedule 187 "Special Adjustment for Storage Recall."

These are Base Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

(N)
(N)
(N)

Schedule 188 "Industrial Demand Side Management (DSM) program Cost Recovery."

These are Temporary Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

(N)
(N)
(N)

Schedule 190 "Price Elasticity and Partial Decoupling Mechanism."

These are Base Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

Schedule 195 "Weather Adjusted Rate Mechanism (WARM)."

These are winter heating season adjustments that are included in the Delivery Charges reflected on Customer bills.

Schedule 199 "Special Rate Adjustment (UM 1148/UP205)."

These are Base Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

Schedule 301 "Public Purposes Funding Surcharge."

These are monthly adjustments to bills that do not affect Rate Schedule billing rates.

Schedule 305 "Special Adjustment for Smart Energy Program Costs."

These are Temporary Adjustments that are included in the Delivery or Volumetric Charges reflected on Customer bills.

(N)
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(N)

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Ninth Revision of Sheet 162-1
Cancels Eighth 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:

Schedule 1	Schedule 3	Schedule 31	Schedule 33	(T)
Schedule 2	Schedule 19	Schedule 32		

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2009 (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	Account 191 Pipeline Capacity Adjustment	Account 186 Net Adjustments [1]	Total Temporary Adjustment
1R		\$(0.04598)	\$(0.00656)	\$0.03310	\$(0.01944)
1C		\$(0.04598)	\$(0.00656)	\$0.00311	\$(0.04943)
2		\$(0.04598)	\$(0.00656)	\$0.03334	\$(0.01920)
3 (CSF)		\$(0.04598)	\$(0.00656)	\$0.00325	\$(0.04929)
3 (ISF)		\$(0.04598)	\$(0.00656)	\$(0.00027)	\$(0.05281)
19		(0.88)	(0.13)	0.02000	(0.99)
31 (CSF)	Block 1	\$(0.04598)	\$(0.00656)	\$0.00335	\$(0.04919)
	Block 2	\$(0.04598)	\$(0.00656)	\$0.00337	\$(0.04917)
31(CTF)	Block 1	N/A	N/A	\$0.00227	\$0.00227
	Block 2	N/A	N/A	\$0.00229	\$0.00229
31 (CSI)	Block 1	\$(0.04598)	\$(0.00078)	\$0.00343	\$(0.04333)
	Block 2	\$(0.04598)	\$(0.00078)	\$0.00344	\$(0.04332)
31 (ISF)	Block 1	\$(0.04598)	\$(0.00656)	\$(0.00021)	\$(0.05275)
	Block 2	\$(0.04598)	\$(0.00656)	\$(0.00018)	\$(0.05272)
31 (ITF)	Block 1	N/A	N/A	\$(0.00017)	\$(0.00017)
	Block 2	N/A	N/A	\$(0.00015)	\$(0.00015)
31 (ISI)	Block 1	\$(0.04598)	\$(0.00078)	\$(0.00597)	\$(0.05273)
	Block 2	\$(0.04598)	\$(0.00078)	\$(0.00540)	\$(0.05216)

[1] The sum of the adjustments identified in Schedules 169, 170, 172, 190 and 305.

(continue to Sheet 162-2)

Issued October 12, 2009
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Effective with service on
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NORTHWEST NATURAL GAS COMPANY

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Eighth Revision of Sheet 162-2
Cancels Seventh Revision of Sheet 162-2

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

APPLICATION TO RATE SCHEDULES (continued):

Effective: November 1, 2009

(T)

Schedule	Block	Account 191 Commodity Adjustment	Account 191 Pipeline Capacity Adjustment	Account 186 Net Adjustments [1]	Total Temporary Adjustment
32 (CSF)	Block 1	\$(0.04598)	\$(0.00656)	\$0.00099	\$(0.05155)
	Block 2	\$(0.04598)	\$(0.00656)	\$0.00101	\$(0.05153)
	Block 3	\$(0.04598)	\$(0.00656)	\$0.00104	\$(0.05150)
	Block 4	\$(0.04598)	\$(0.00656)	\$0.00108	\$(0.05146)
	Block 5	\$(0.04598)	\$(0.00656)	\$0.00109	\$(0.05145)
	Block 6	\$(0.04598)	\$(0.00656)	\$0.00111	\$(0.05143)
32 (ISF)	Block 1	\$(0.04598)	\$(0.00656)	\$(0.00011)	\$(0.05265)
	Block 2	\$(0.04598)	\$(0.00656)	\$(0.00009)	\$(0.05263)
	Block 3	\$(0.04598)	\$(0.00656)	\$(0.00005)	\$(0.05259)
	Block 4	\$(0.04598)	\$(0.00656)	\$(0.00002)	\$(0.05256)
	Block 5	\$(0.04598)	\$(0.00656)	\$0.00000	\$(0.05254)
	Block 6	\$(0.04598)	\$(0.00656)	\$0.00002	\$(0.05252)
32 (TF)	Block 1	N/A	N/A	\$(0.00007)	\$(0.00007)
	Block 2	N/A	N/A	\$(0.00006)	\$(0.00006)
	Block 3	N/A	N/A	\$(0.00003)	\$(0.00003)
	Block 4	N/A	N/A	\$(0.00001)	\$(0.00001)
	Block 5	N/A	N/A	\$0.00001	\$0.00001
	Block 6	N/A	N/A	\$0.00002	\$0.00002
32 (SI)	Block 1	\$(0.04598)	\$(0.00078)	\$(0.00009)	\$(0.04685)
	Block 2	\$(0.04598)	\$(0.00078)	\$(0.00007)	\$(0.04683)
	Block 3	\$(0.04598)	\$(0.00078)	\$(0.00004)	\$(0.04680)
	Block 4	\$(0.04598)	\$(0.00078)	\$(0.00001)	\$(0.04677)
	Block 5	\$(0.04598)	\$(0.00078)	\$0.00001	\$(0.04675)
	Block 6	\$(0.04598)	\$(0.00078)	\$0.00002	\$(0.04674)
32 (TI)	Block 1	N/A	N/A	\$(0.00007)	\$(0.00007)
	Block 2	N/A	N/A	\$(0.00006)	\$(0.00006)
	Block 3	N/A	N/A	\$(0.00003)	\$(0.00003)
	Block 4	N/A	N/A	\$(0.00001)	\$(0.00001)
	Block 5	N/A	N/A	\$0.00001	\$0.00001
	Block 6	N/A	N/A	\$0.00002	\$0.00002
33 (TI)		N/A	N/A	\$(0.00001)	\$(0.00001)
33 (TF)		N/A	N/A	\$(0.00001)	\$(0.00001)

(C)

(C)

[1] The sum of the adjustments identified in Schedules 169, 170, 172, 190 and 305.

(T)

GENERAL TERMS:

This Schedule is governed by the terms of this Schedule, the General Rules and Regulations contained in this Tariff and by all rules and regulations prescribed by regulatory authorities, as amended from time to time.

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NWN Advice No. OPUC 09-12A

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NORTHWEST NATURAL GAS COMPANY

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Tenth Revision of Sheet 163-1
Cancels Ninth Revision of Sheet 163-1

SCHEDULE 163

SPECIAL ADJUSTMENT TO RATES PRICE ELASTICITY

PURPOSE:

To identify permanent adjustments to rates in the schedules listed below in accordance with a Stipulation and Agreement adopted by the Public Utility Commission of Oregon in Docket UG 143.

APPLICABLE:

To Residential and Commercial Customers served on the following schedules of this Tariff:

Residential	Commercial
Schedule 1	Schedule 1
Schedule 2	Schedule 3 (CSF)
	Schedule 31 (CSF)
	Schedule 31 (CTF)
	Schedule 31 (CSI)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2009

(T)

The Base Adjustments stated in the above-listed rate schedules reflect the following adjustments (increase). NO FURTHER ADJUSTMENT TO RATES IS REQUIRED.

Residential Rate Schedules: **(\$0.01369)** per therm
Commercial Rate Schedules: **(\$0.00658)** per therm

(C)

(C)

GENERAL RULES AND REGULATIONS:

This Schedule is governed by the terms of this Schedule, the General Rules and Regulations contained in this Tariff and by all rules and regulations prescribed by regulatory authorities, as amended from time to time.

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Eighth Revision of Sheet 164-1
Cancels Seventh Revision of Sheet 164-1

SCHEDULE 164 PURCHASED GAS COST ADJUSTMENT TO RATES

PURPOSE:

To (a) identify the Commodity and Pipeline Capacity Components applicable to the Rate Schedules listed below; and (b) to identify any changes to such components due to changes in the cost of Pipeline capacity and the cost of gas purchased from the Company's suppliers that apply the Rate Schedules listed below.

APPLICABLE:

To the following Rate Schedules of this Tariff:

Schedule 1	Schedule 3	Schedule 31
Schedule 2	Schedule 19	Schedule 32

(T)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2009

(T)

Annual Sales WACOG [1]	\$0.58734
Winter Sales WACOG [2]	\$0.56328
Firm Sales Service Pipeline Capacity Component [3]	\$0.12502
Firm Sales Service Pipeline Capacity Component [4]	\$1.87
Interruptible Sales Service Pipeline Capacity Component [5]	\$0.01486

(R)

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(I)

(I)

(I)

- [1] Applies to all Sales Service Rate Schedules (per therm) except where Winter Sales WACOG or Monthly Incremental Cost of Gas applies.
- [2] Applies to Sales Customers that request Winter Sales WACOG at the September 15 Annual Service Election.
- [3] Applies to Rate Schedules 1, 2, 3, and Schedule 31 and Schedule 32 Firm Sales Service Volumetric Pipeline Capacity option (per therm).
- [4] Applies to Schedules 31 and 32 Firm Sales Service Peak Demand Pipeline Capacity option (per therm of MDDV per month).
- [5] Applies to Schedule 31 and Schedule 32 Interruptible Sales Service (per therm).

ADJUSTMENTS TO RATE COMPONENTS:

Effective: November 1, 2009

(T)

The above listed components shall be adjusted as follows:

Commodity Component	Firm Pipeline Capacity Component
\$(0.00000)	\$(0.00000)

GENERAL TERMS:

This schedule is governed by the terms of this Schedule, the General Rules and Regulations contained in this Tariff and by all rules and regulations prescribed by regulatory authorities, as amended from time to time.

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
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NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

First Revision of Sheet 166-1
Cancels Original Sheet 166-1

**SCHEDULE 166
ADJUSTMENTS TO RATES (UM 1335)**

PURPOSE:

To identify the effects of the annual revenue requirement decrease associated with the adoption of the depreciation study in Docket UM 1335

APPLICABLE:

To the following Rate Schedules of this Tariff:

Schedule 1	Schedule 31
Schedule 2	Schedule 32
Schedule 3	Schedule 33
Schedule 19	

(T)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2009

(T)

The Base Rates in the listed Rate Schedules include the adjustment shown below. NO ADDITIONAL ADJUSTMENT TO RATES IS REQUIRED.

Schedule	Block	Total Base Adjustment
1R		\$(0.01874)
1C		\$(0.01525)
2		\$(0.01299)
3 (CSF)		\$(0.00914)
3 (ISF)		\$(0.00766)
19		\$(0.84)
31 (CSF)	Block 1	\$(0.00614)
	Block 2	\$(0.00560)
31(CTF)	Block 1	\$(0.00535)
	Block 2	\$(0.00487)
31 (CSI)	Block 1	\$(0.00444)
	Block 2	\$(0.00404)
31 (ISF)	Block 1	\$(0.00447)
	Block 2	\$(0.00404)
31 (ITF)	Block 1	\$(0.00473)
	Block 2	\$(0.00428)
31 (ISI)	Block 1	\$0.08405
	Block 2	\$0.07596
32(CSF)	Block 1	\$(0.00306)
	Block 2	\$(0.00260)
	Block 3	\$(0.00184)
	Block 4	\$(0.00107)
	Block 5	\$(0.00061)
	Block 6	\$(0.00031)

(C)

(C)

(continue to Sheet 166-2)

Issued October 12, 2009
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Effective with service on
and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

First Revision of Sheet 166-2
Cancels Original Sheet 166-2**SCHEDULE 166
ADJUSTMENTS TO RATES (UM 1335)****APPLICATION TO RATE SCHEDULES: (continued)** Effective: November 1, 2009

(T)

Schedule	Block	Total Base Adjustment
32(ISF)	Block 1	\$(0.00241)
	Block 2	\$(0.00204)
	Block 3	\$(0.00144)
	Block 4	\$(0.00085)
	Block 5	\$(0.00048)
	Block 6	\$(0.00024)
32(CTF) and 32(ITF)	Block 1	\$(0.00299)
	Block 2	\$(0.00255)
	Block 3	\$(0.00180)
	Block 4	\$(0.00104)
	Block 5	\$(0.00060)
	Block 6	\$(0.00030)
32(CSI) and 32(ISI)	Block 1	\$(0.00263)
	Block 2	\$(0.00223)
	Block 3	\$(0.00158)
	Block 4	\$(0.00092)
	Block 5	\$(0.00053)
	Block 6	\$(0.00026)
32(CTI) and 32(ITI)	Block 1	\$(0.00263)
	Block 2	\$(0.00223)
	Block 3	\$(0.00158)
	Block 4	\$(0.00092)
	Block 5	\$(0.00052)
	Block 6	\$(0.00026)
33(CTI) and 33(ITI)		\$(0.00016)
33(CTF) and 33(ITF)		\$(0.00016)

(C)

(C)

GENERAL TERMS:

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

Issued October 12, 2009
NWN Advice No. OPUC 09-12AEffective with service on
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NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Third Revision of Sheet 169-1
 Cancels Second Revision of Sheet 169-1

**SCHEDULE 169
 SPECIAL ADJUSTMENT TO RATES FOR STORAGE INVENTORIES**

PURPOSE:

To identify adjustments to rates in the Rate Schedules listed below that relate to the amortization of balances in the Company's storage inventories.

APPLICABLE:

To the following Rate Schedules of this Tariff:

Schedule 1	Schedule 3	Schedule 31
Schedule 2	Schedule 19	Schedule 32

(T)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2009

(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	Adjustment		Schedule	Block	Adjustment
1R		\$0.00		32 (ISF)	Block 1	\$0.00
1C		\$0.00			Block 2	\$0.00
2		\$0.00			Block 3	\$0.00
3 (CSF)		\$0.00			Block 4	\$0.00
					Block 5	\$0.00
3 (ISF)		\$0.00			Block 6	\$0.00
				32(TF)	Block 1	N/A
19		\$0.00			Block 2	N/A
31 (CSF)	Block 1	\$0.00			Block 3	N/A
	Block 2	\$0.00			Block 4	N/A
31(CTF)	Block 1	N/A			Block 5	N/A
	Block 2	N/A			Block 6	N/A
31 (CSI)	Block 1	\$0.00		32(SI)	Block 1	\$0.00
	Block 2	\$0.00			Block 2	\$0.00
31 (ISF)	Block 1	\$0.00			Block 3	\$0.00
	Block 2	\$0.00			Block 4	\$0.00
31 (ITF)	Block 1	N/A			Block 5	\$0.00
	Block 2	N/A			Block 6	\$0.00
31 (ISI)	Block 1	\$0.00		32(TI)	Block 1	N/A
	Block 2	\$0.00			Block 2	N/A
32 (CSF)	Block 1	\$0.00			Block 3	N/A
	Block 2	\$0.00			Block 4	N/A
	Block 3	\$0.00			Block 5	N/A
	Block 4	\$0.00			Block 6	N/A
	Block 5	\$0.00		33(TI)		N/A
	Block 6	\$0.00		33(TF)		N/A

(T)

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(D)

Issued October 12, 2009
 NWN Advice No. OPUC 09-12A

Effective with service on
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**SCHEDULE 170
SPECIAL ADJUSTMENT TO RATES FOR PENSION EXPENSE**

PURPOSE:

To identify adjustments to rates in the Rate Schedules listed below for the amortization of deferred balances related to the Company's pension expense. The rate adjustments under this Schedule are made pursuant to the Stipulation and Agreement in Docket UM 152 adopted by Commission Order No. 03-507.

APPLICABLE:

To the following Rate Schedules of this Tariff:

Schedule 1
Schedule 2

Schedule 3

Schedule 31
Schedule 32

(T)

(T)

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2009

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	Adjustment		Schedule	Block	Adjustment
1R		\$(0.00073)		32 (ISF)	Block 1	\$(0.00014)
1C		\$(0.00049)			Block 2	\$(0.00012)
2		\$(0.00049)			Block 3	\$(0.00008)
3 (CSF)		\$(0.00035)			Block 4	\$(0.00005)
					Block 5	\$(0.00003)
3 (ISF)		\$(0.00030)			Block 6	\$(0.00001)
				32 (TF)	Block 1	\$(0.00010)
					Block 2	\$(0.00009)
31 (CSF)	Block 1	\$(0.00025)			Block 3	\$(0.00006)
	Block 2	\$(0.00023)			Block 4	\$(0.00004)
31 (CTF)	Block 1	\$(0.00021)			Block 5	\$(0.00002)
	Block 2	\$(0.00019)			Block 6	\$(0.00001)
31 (CSI)	Block 1	\$(0.00017)		32 (SI)	Block 1	\$(0.00012)
	Block 2	\$(0.00016)			Block 2	\$(0.00010)
31 (ISF)	Block 1	\$(0.00024)			Block 3	\$(0.00007)
	Block 2	\$(0.00021)			Block 4	\$(0.00004)
31 (ITF)	Block 1	\$(0.00020)			Block 5	\$(0.00002)
	Block 2	\$(0.00018)			Block 6	\$(0.00001)
31 (ISI)	Block 1	\$(0.00600)		32 (TI)	Block 1	\$(0.00010)
	Block 2	\$(0.00543)			Block 2	\$(0.00009)
32 (CSF)	Block 1	\$(0.00013)			Block 3	\$(0.00006)
	Block 2	\$(0.00011)			Block 4	\$(0.00004)
	Block 3	\$(0.00008)			Block 5	\$(0.00002)
	Block 4	\$(0.00004)			Block 6	\$(0.00001)
	Block 5	\$(0.00003)		33 (TI)		\$(0.00001)
	Block 6	\$(0.00001)		33 (TF)		\$(0.00001)

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(C)

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
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**SCHEDULE 172
SPECIAL ADJUSTMENT TO RATES FOR INTERVENOR FUNDING**

(N)

PURPOSE:

To identify adjustments to rates in the Rate Schedules listed below for the amortization of deferred balances related to Intervenor Funding. The rate adjustments under this Schedule are made pursuant to the Intervenor Funding Agreement in Docket UM 1357 adopted by Commission in Order No. 07-564.

APPLICABLE:

To the following Rate Schedules of this Tariff:

Schedule 1R	Schedule 31 (all Industrial Classes)
Schedule 2	Schedule 32 (all Industrial Classes)
Schedule 3 ISF	

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2009

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.

Residential Customer Adjustment:	\$0.00023
Industrial Customer Adjustment:	\$0.00003

(N)

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
and after November 1, 2009

SCHEDULE 177
SYSTEM INTEGRITY PROGRAM RATE ADJUSTMENT

(C)

PURPOSE:

To recover the costs associated with the Company's System Integrity Program in accordance with the Stipulation adopted by Commission in Docket UM 1406, OPUC Order 09-067 entered March 1, 2009.

GENERAL TERMS:

This Schedule is governed by the terms of this Schedule, the General Rules and Regulations contained in this Tariff and by all rules and regulations prescribed by regulatory authorities, as amended from time to time.

SYSTEM INTEGRITY PROGRAM ADJUSTMENT RATE

The System Integrity Program Adjustment Rate recovers the costs incurred from the Company's System Integrity Program which consists of the following parts:

Part A – Bare Steel Replacement Program This program was initiated in 2001 with an estimated completion date of schedule of 2021. The costs for this program will be classified as capital expenditures. The Company will allocate 70% of the cumulative investment to Residential and Commercial firm sales and transportation customers taking service under Rate Schedules 1, 2, 3, 31 and 54 on an equal cents per therm basis. The remaining 30% will be allocated on an equal percent of margin basis to all customer classes. The cost recovery for this Part shall be as agreed to in the Safety Program Stipulation, dated April 17, 2002.

Part B –Transmission Integrity Management Program (TIMP) – This program was initiated in 2002 in response to the Pipeline Safety Improvement Act of 2002 and PHMSA Natural Gas Integrity Management Rule. Associated costs will be spread to all customer classes on an equal percent of margin.

Part C - Distribution Integrity Management Program (DIMP) – This program was initiated in 2008 and will focus on damage prevention. Associated costs will be spread to all customer classes on an equal percent of margin.

SPECIAL PROVISIONS

1. Cost recovery under this Schedule shall not exceed \$12 million dollars per PGA Year without the express written consent from all parties to the Stipulation adopted by Commission Order No. 09-067.
2. Each April, the Company will present to the parties to UM 1406 an annual forecast of program expenditures. A report of actual program expenses will be filed with the Commission each August.
3. Adjustments under this Schedule will be based on actual and forecasted expense and investment activity through September 30, adjusted to reflect the difference between the previous year's actual versus forecasted costs.

(C)

(continue to Sheet 177-2)

Issued October 12, 2009
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NORTHWEST NATURAL GAS COMPANY

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Ninth Revision of Sheet 177-2

Cancels Eighth Revision of Sheet 177-2 and Original Sheet 177-2.1

SCHEDULE 177 SYSTEM INTEGRITY PROGRAM RATE ADJUSTMENT (continued)

SPECIAL PROVISIONS (Continued)

4. For the 2009-2010 PGA Year only, effective November 1, 2009, an adjustment reflecting the final carry over balance of the GeoHazard Repair and Risk Mitigation program will be included in customer rates.

TERM:

The System Integrity Program shall remain in effect through December 31, 2021, or until such other time as the Commission may approve.

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2009

The Adjustments shown below are included in the Base Adjustments in the listed Rate Schedules:

(T)

Schedule	Block	Part A		Part B	Part C	Geo-Haz Final	Total Adjustment
		70%	30%				
1R		\$0.00364	\$0.00250	\$0.01062	\$0.00000	\$0.00267	\$0.01943
1C		\$0.00364	\$0.00169	\$0.00718	\$0.00000	\$0.00180	\$0.01431
2		\$0.00364	\$0.00170	\$0.00722	\$0.00000	\$0.00181	\$0.01437
3 (CSF)		\$0.00364	\$0.00120	\$0.00509	\$0.00000	\$0.00128	\$0.01121
3 (ISF)		\$0.00364	\$0.00101	\$0.00431	\$0.00000	\$0.00108	\$0.01004
19		\$0.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.07
31 (CSF)	Block 1	\$0.00364	\$0.00085	\$0.00359	\$0.00000	\$0.00090	\$0.00898
	Block 2	\$0.00364	\$0.00077	\$0.00329	\$0.00000	\$0.00083	\$0.00853
31(CTF)	Block 1	\$0.00364	\$0.00072	\$0.00307	\$0.00000	\$0.00077	\$0.00820
	Block 2	\$0.00364	\$0.00066	\$0.00281	\$0.00000	\$0.00071	\$0.00782
31 (CSI)	Block 1	\$0.00364	\$0.00059	\$0.00251	\$0.00000	\$0.00063	\$0.00737
	Block 2	\$0.00364	\$0.00054	\$0.00230	\$0.00000	\$0.00058	\$0.00706
31 (ISF)	Block 1	\$0.00000	\$0.00081	\$0.00345	\$0.00000	\$0.00087	\$0.00513
	Block 2	\$0.00000	\$0.00073	\$0.00311	\$0.00000	\$0.00078	\$0.00462
31 (IFT)	Block 1	\$0.00000	\$0.00071	\$0.00300	\$0.00000	\$0.00075	\$0.00446
	Block 2	\$0.00000	\$0.00064	\$0.00271	\$0.00000	\$0.00068	\$0.00403
31 (ISI)	Block 1	\$0.00000	\$0.02065	\$0.08785	\$0.00000	\$0.02204	\$0.13054
	Block 2	\$0.00000	\$0.01866	\$0.07939	\$0.00000	\$0.01992	\$0.11797
32 (CSF)	Block 1	\$0.00000	\$0.00044	\$0.00185	\$0.00000	\$0.00047	\$0.00276
	Block 2	\$0.00000	\$0.00037	\$0.00158	\$0.00000	\$0.00040	\$0.00235
	Block 3	\$0.00000	\$0.00026	\$0.00111	\$0.00000	\$0.00028	\$0.00165
	Block 4	\$0.00000	\$0.00015	\$0.00065	\$0.00000	\$0.00016	\$0.00096
	Block 5	\$0.00000	\$0.00009	\$0.00037	\$0.00000	\$0.00009	\$0.00055
	Block 6	\$0.00000	\$0.00004	\$0.00019	\$0.00000	\$0.00005	\$0.00028

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(continue to Sheet 177-3)

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Effective with service on
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NORTHWEST NATURAL GAS COMPANY

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Seventh Revision of Sheet 177-3

Cancels Sixth Revision of Sheet 177-3

Original Sheet 177-3.1, Fifth Revision of Sheet 177-4, and Original Sheet 177-4.1

SCHEDULE 177
SYSTEM INTEGRITY PROGRAM RATE ADJUSTMENT
 (continued)

APPLICATION TO RATE SCHEDULES:**Effective: November 1, 2009**

The Adjustments shown below are included in the Base Adjustments in the listed Rate Schedules:

Schedule	Block	Part A		Part B	Part C	Geo-Haz Final	Total Adjustment
		70%	30%				
32 (ISF)	Block 1	\$0.00000	\$0.00047	\$0.00200	\$0.00000	\$0.00050	\$0.00297
	Block 2	\$0.00000	\$0.00040	\$0.00170	\$0.00000	\$0.00043	\$0.00253
	Block 3	\$0.00000	\$0.00028	\$0.00120	\$0.00000	\$0.00030	\$0.00178
	Block 4	\$0.00000	\$0.00017	\$0.00070	\$0.00000	\$0.00018	\$0.00105
	Block 5	\$0.00000	\$0.00009	\$0.00040	\$0.00000	\$0.00010	\$0.00059
	Block 6	\$0.00000	\$0.00005	\$0.00020	\$0.00000	\$0.00005	\$0.00030
32 (TF)	Block 1	\$0.00000	\$0.00035	\$0.00151	\$0.00000	\$0.00038	\$0.00224
	Block 2	\$0.00000	\$0.00030	\$0.00128	\$0.00000	\$0.00032	\$0.00190
	Block 3	\$0.00000	\$0.00021	\$0.00090	\$0.00000	\$0.00023	\$0.00134
	Block 4	\$0.00000	\$0.00012	\$0.00053	\$0.00000	\$0.00013	\$0.00078
	Block 5	\$0.00000	\$0.00007	\$0.00030	\$0.00000	\$0.00008	\$0.00045
	Block 6	\$0.00000	\$0.00004	\$0.00015	\$0.00000	\$0.00004	\$0.00023
32 (SI)	Block 1	\$0.00000	\$0.00042	\$0.00177	\$0.00000	\$0.00044	\$0.00263
	Block 2	\$0.00000	\$0.00035	\$0.00150	\$0.00000	\$0.00038	\$0.00223
	Block 3	\$0.00000	\$0.00025	\$0.00106	\$0.00000	\$0.00027	\$0.00158
	Block 4	\$0.00000	\$0.00015	\$0.00062	\$0.00000	\$0.00016	\$0.00093
	Block 5	\$0.00000	\$0.00008	\$0.00035	\$0.00000	\$0.00009	\$0.00052
	Block 6	\$0.00000	\$0.00004	\$0.00018	\$0.00000	\$0.00004	\$0.00026
32 (TI)	Block 1	\$0.00000	\$0.00035	\$0.00148	\$0.00000	\$0.00037	\$0.00220
	Block 2	\$0.00000	\$0.00030	\$0.00125	\$0.00000	\$0.00032	\$0.00187
	Block 3	\$0.00000	\$0.00021	\$0.00089	\$0.00000	\$0.00022	\$0.00132
	Block 4	\$0.00000	\$0.00012	\$0.00052	\$0.00000	\$0.00013	\$0.00077
	Block 5	\$0.00000	\$0.00007	\$0.00030	\$0.00000	\$0.00007	\$0.00044
	Block 6	\$0.00000	\$0.00003	\$0.00015	\$0.00000	\$0.00004	\$0.00022
33 (all)		\$0.00000	\$0.00002	\$0.00009	\$0.00000	\$0.00002	\$0.00013

Issued October 12, 2009
 NWN Advice No. OPUC 09-12A

Effective with service on
 and after November 1, 2009

**SCHEDULE 187
SPECIAL RATE ADJUSTMENT FOR MIST CAPACITY RECALL**

(N)

PURPOSE:

The purpose of this schedule is to reflect the rate effects of the Company's recalling of Mist storage capacity for use by the Company's core customers.

APPLICABLE:

To the following Rate Schedules of this Tariff:

Schedule 1	Schedule 3	Schedule 32
Schedule 2	Schedule 31	

APPLICATION TO RATE SCHEDULES: Effective: November 1, 2009

The Total Adjustment amounts shown below are included in the Base Adjustments reflected in the above-listed Rate Schedules. NO ADDITIONAL ADJUSTMENT TO RATES IS REQUIRED.

Schedule	Block	Mist Recall Base Rate Adjustment [1]
1R		\$0.00028
1C		\$0.00018
2		\$0.00019
3CSF		\$0.00013
3ISF		\$0.00011
31CSF	Block 1	\$0.00009
	Block 2	\$0.00009
31ISF	Block 1	\$0.00009
	Block 2	\$0.00008
31CSI	Block 1	\$0.00007
	Block 2	\$0.00006
31ISI	Block 1	\$0.00230
	Block 2	\$0.00208
32CSF	Block 1	\$0.00005
	Block 2	\$0.00004
	Block 3	\$0.00003
	Block 4	\$0.00002
	Block 5	\$0.00001
	Block 6	\$0.00000
32I SF	Block 1	\$0.00005
	Block 2	\$0.00004
	Block 3	\$0.00003
	Block 4	\$0.00002
	Block 5	\$0.00001
	Block 6	\$0.00001
32CSI /32ISI	Block 1	\$0.00005
	Block 2	\$0.00004
	Block 3	\$0.00003
	Block 4	\$0.00002
	Block 5	\$0.00001
	Block 6	\$0.00000

(N)

Issued October 12, 2009
NWN Advice No. OPUC 09-12A

Effective with service on
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NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Tenth Revision of Sheet 190-1
Cancels Ninth Revision of Sheet 190-1

SCHEDULE 190

PARTIAL DECOUPLING MECHANISM

PURPOSE:

To (a) describe the partial decoupling mechanism established in accordance with a Stipulation and Agreement adopted by the Oregon Public Utility Commission (OPUC) in Docket UG 143, Order No. 02-634, dated September 12, 2002, and later reauthorized, with modifications, in Docket UG 163, Order No. 05-934, dated August 25, 2005; and (b) identify the adjustment applicable to rates under the Rate Schedules listed below.

TERM:

This Schedule shall automatically terminate on October 31, 2012, or on such other date as the Commission may approve.

APPLICABLE:

To Residential and Commercial Customers served on the following Rate Schedules of this Tariff:

Residential	Commercial
Schedule 1	Schedule 1
Schedule 2	Schedule 3(SF)
	Schedule 31(SF)
	Schedule 31(SI)
	Schedule 31(TF)

ADJUSTMENT TO RATE SCHEDULES:

Effective: November 1, 2009

(T)

The Temporary Adjustments for Residential and Commercial Customers taking service on the above-listed Rate Schedules includes the following adjustment:

Residential Rate Schedules: **\$0.03248** per therm

(C)

Commercial Rate Schedules: **\$0.00248** per therm

(C)

PARTIAL DECOUPLING DEFERRAL ACCOUNT:

1. Each month, the company will calculate the difference between weather-normalized usage and the calculated baseline usage for each Residential and Commercial Customer group. The resulting usage differential shall be multiplied by the per therm distribution margin for the applicable customer group.

The Company shall defer and amortize, with interest, 100% of the distribution margin differential in a sub-account of Account 186. The deferral will be a credit (accruing a refund to customers) if the differential is positive, or a debit (accruing a recovery by the company) if the differential is negative.

(continue to Sheet 190-2)

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Effective with service on
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SCHEDULE 190

PARTIAL DECOUPLING MECHANISM
(continued)

PARTIAL DECOUPLING DEFERRAL ACCOUNT (continued):

- The baseline usage shall be determined from actual weather normalized usage for the Company's most recent rate case, as adjusted for any price elasticity effects since that rate case.

The following is an example baseline usage calculation for the Residential Group:

Weather-normalized usage, divided by Residential Customers, equal	<u>330,164,716</u> 450,709
Normalized use per therm per customer	733
October 1 price decrease	-10%
Usage increase due to price elasticity (-10% x -0.172)	1.72%
Estimated usage increase due to price elasticity (weather normalized usage x % of usage increase)	5,678,833
Total New Baseline Usage: (weather normalized usage plus estimated usage increase), divided by customer count, equal	<u>335,843,549</u> 450,709
Reset baseline usage per therm per customer	745

- Weather-normalized usage is calculated using the approach to weather normalization adopted in the Company's last general rate case, Docket UG 152. 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 .1958 for Residential variances, and .7669 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.

- Baseline usage will be adjusted to reflect actual customers billed each month.
- The per therm distribution margins to be used in the deferral calculation effective November 1, 2009 is \$0.44254 per therm for Residential customers and \$0.30374 per therm for Commercial customers.

(T)(C)

(continue to Sheet 190-3)

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Effective with service on
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NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

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

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

WARM FORMULA: (continued)

- a. The statistical coefficients to be used in the calculation of the WARM Adjustment Factor effective with the WARM Period commencing November 15, 2003 are:

Schedule 2: .1958	Schedule 3: .7669
-------------------	-------------------

- c. The applicable margins to be used in the calculation of the WARM Adjustment Factor effective with the WARM Period commencing January 1, 2009 are:

Schedule 2: \$0.42871	Schedule 3: \$0.34680
-----------------------	-----------------------

(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.

HDD Variance (+ or -)	RESIDENTIAL		COMMERCIAL	
	Equivalent therms	Total Monthly WARM adjustment (+ or -) *	Equivalent therms	Total Monthly WARM adjustment (+ or -) *
1	.1958	\$0.08	.7669	\$0.27
5	.9790	\$0.42	3.8345	\$1.33
10	1.958	\$0.84	7.669	\$2.66
15	2.937	\$1.26	11.5035	\$3.99
20	3.916	\$1.68	15.338	\$5.32
25	4.895	\$2.10	19.1725	\$6.65
30	5.874	\$2.52	23.007	\$7.98
35	6.853	\$2.94	26.8415	\$9.31
40	7.832	\$3.36	30.676	\$10.64
45	8.811	\$3.78	34.5105	\$11.97
50	9.790	\$4.20	38.345	\$13.30

(C)

(C)

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

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

(continue to Sheet 195-5)

Issued October 12, 2009
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Effective with service on
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NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Sixth Revision of Sheet 195-5
Cancels Fifth 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 \$1.14047 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:	.1958	
	Equivalent therms:	$-50 \times .1958 = -9.79$ therms	
Total Warm Adjustment:	Equivalent therms:	-9.79 therms	
	Margin Rate:	\$0.42871	
	Total WARM Adj.:	$-9.79 \times \$0.42871 = -\4.19707	(C)
Total WARM Adjustment converted to cents per therm:	Total WARM Adj.	-\$4.19707	
	Monthly usage:	129 therms	
	Cent/therm Adj.:	$-\$4.19707 \div 129 = -\0.03254	
Billing Rate per therm:	Current Rate/therm:	\$1.12187	
	WARM cent/therm Adj.	-\$0.03254	
	WARM Billing Rate:	$\$1.12187 + -\$0.03254 = \$1.08933$	
Total WARM Bill:	Customer Charge:	\$6.00	
	Usage Charge:	\$1.08933	
	Total	$(129 \times \$1.08933) + \$6.00 = \$146.52$	(C)

(continue to Sheet 195-6)

Issued October 12, 2009
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Effective with service on
and after November 1, 2009

SCHEDULE 305
SPECIAL ADJUSTMENT TO RATES FOR SMART ENERGY PROGRAM COSTS

(N)

PURPOSE:

To identify adjustments to rates in the Rate Schedules listed below for the amortization of deferred balances related to the Company's Smart Energy Program.

APPLICABLE:

To the following Rate Schedules of this Tariff:

Schedule 1R	Schedule 3 CSF	Schedule 31 CSI
Schedule 1C	Schedule 19	Schedule 32 CSF
Schedule 2	Schedule 31 CSF	

APPLICATION TO RATE SCHEDULES:

Effective: November 1, 2009

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.

Volumetric Rate Adjustment (per therm):	\$0.00112
Schedule 19 Adjustment (per mantle)	\$0.02

(N)

Issued October 12, 2009
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Effective with service on
and after November 1, 2009

**SCHEDULE P
 PURCHASED GAS COST ADJUSTMENTS
 (continued)**

DEFINITIONS (continued):

7. Estimated Annual Sales Weighted Average Cost of Gas (Annual Sales WACOG):
 The estimated Annual Sales WACOG is the default Commodity Component for billing purposes, and is used for purposes of calculating the monthly gas cost deferral costs for entry into the Account 191 sub-accounts calculated by the following formula: (Forecasted Purchases at Adjusted Contract Prices) divided by forecasted sales volumes.
- a. "Forecasted Purchases" means November 1 – October 31 forecasted sales volumes, "weather-normalized", plus a percentage for distribution system LUGF.
 - b. "Distribution system embedded LUGF" means the 5-year average of actual distribution system LUGF, not to exceed 2%.
 - c. "Adjusted contract prices" means actual and projected contract prices that are adjusted by each associated Canadian pipeline's published (closest to August 1) fuel use and line loss amount provided for by tariff, and by each associated U.S. pipeline's tariffed rate.

Effective November 1, 2009:

Estimated Annual Sales WACOG per therm (w/ revenue sensitive):	\$0.58734
Estimated Annual Sales WACOG per therm (w/o revenue sensitive):	\$0.56977

(T)
(R)
(R)

8. Estimated Winter Sales WACOG: The Company's weighted average Commodity Cost of Gas for the five-month period November through March.
- Effective November 1, 2009:
- | | |
|---|------------------|
| Estimated Winter Sales WACOG per therm (w/ revenue sensitive): | \$0.56328 |
| Estimated Winter Sales WACOG per therm (w/o revenue sensitive): | \$0.54643 |

(T)
(R)
(R)

9. Estimated Non-Commodity Cost: Estimated annual Non-Commodity gas costs shall be equal to estimated annual Demand Costs, less estimated annual Capacity Release Benefits, plus or minus estimated annual pipeline refunds or surcharges.

10. Estimated Non-Commodity Cost per Therm – Firm Sales: The portion of the Estimated annual Non-Commodity Cost applicable to Firm Sales Service divided by November 1 – October 31 forecasted Firm Sales Service volumes.
- Effective November 1, 2009:
- | | |
|--|------------------|
| Estimated Non-Commodity Cost per therm-Firm Sales (w/revenue sensitive): | \$0.12502 |
| Estimated Non-Commodity Cost per therm-Firm Sales (w/o revenue sensitive): | \$0.12128 |

(T)
(I)
(I)

(continue to Sheet P-3)

SCHEDULE P
PURCHASED GAS COST ADJUSTMENTS
 (continued)

DEFINITIONS (continued):

- 11. Estimated Non-Commodity Cost per Therm – Interruptible Sales: The portion of the Estimated annual Non-Commodity Cost applicable to Interruptible Sales Service divided by November 1 – October 31 forecasted Interruptible Sales Service volumes.
 Effective November 1, 2009:
 Estimated Non-Commodity Cost per therm-Interruptible Sales (w/revenue sensitive): (T)
\$0.01486 (I)
 Estimated Non-Commodity Cost per therm-Interruptible Sales (w/o revenue sensitive): (I)
\$0.01442 (I)

- 12. Estimated Non-Commodity Cost per Therm – MDDV Based Sales: The portion of the Estimated annual Non-Commodity Cost applicable to MDDV Based Sales Service.
 Effective November 1, 2009:
 Estimated Non-Commodity Cost per therm - MDDV Based Sales (w/revenue sensitive): (T)
\$1.87 (I)
 Estimated Non-Commodity Cost per therm- MDDV Based Sales (w/o revenue sensitive): (I)
\$1.81 (I)

- 13. Actual Monthly Firm Sales Service Volumes: The total actual monthly billed Firm Sales Service therms, excluding MDDV based volumes, adjusted for estimated unbilled Firm Sales Service therms.

- 14. Actual Monthly Interruptible Sales Service Volumes: The total actual monthly billed Interruptible Sales Service therms, adjusted for estimated unbilled Interruptible Sales Service therms.

- 15. Actual Monthly MDDV Based Firm Sales Service Volumes: The total actual monthly billed Firm Sales Service Volumes for Rate Schedule 31 and Rate Schedule 32 customers billed under the Firm Pipeline Capacity Charge - Peak Demand option, adjusted for estimated unbilled MDDV Firm Sales Service Volumes.

- 16. Embedded Commodity Cost: The Estimated Annual Sales WACOG, updated for October 31 storage inventory prices, multiplied by the Total of the Actual Monthly Firm and Interruptible Sales Service Volumes.

- 17. Embedded Non-Commodity Cost per Therm – Firm Sales Service: The Estimated Non-Commodity Cost per Therm - Firm Sales Service multiplied by the Actual Monthly Firm Sales Service Volumes.

- 18. Embedded Non-Commodity Cost per Therm – Interruptible Sales Service: The Estimated Non-Commodity Cost per Therm – Interruptible Sales Service multiplied by the Actual Monthly Interruptible Sales Service Volumes.

(continue to Sheet P-4)

Issued October 12, 2009
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Effective with service on
 and after November 1, 2009

NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 24

Ninth Revision of Sheet P-5
Cancels Eighth Revision of Sheet P-5

SCHEDULE P PURCHASED GAS COST ADJUSTMENTS (continued)

CALCULATION OF MONTHLY GAS COSTS FOR DEFERRAL PURPOSES (continued):

2. A debit or credit entry shall be made equal to 100% of any monthly difference between Embedded Non-Commodity Costs and Monthly Seasonalized Fixed Charges. The monthly Seasonalized Fixed Charges for the period November 1, 2009 through November 30, 2010 are:

November 2009	\$8,395,499
December 2009	\$11,788,842
January 2010	\$11,530,598
February	\$9,466,925
March	\$8,126,384
April	\$5,834,851
May	\$3,925,693
June	\$2,626,208
July	\$2,092,439
August	\$2,085,692
September	\$2,392,310
October	\$5,191,677
November	<u>\$8,508,808</u>
ANNUAL TOTAL	\$73,570,427

(T)

(C)

(C)

(C)

3. A debit or credit entry shall be made equal to 90% of the difference between the Actual Commodity Cost and the Embedded Commodity Cost. A debit or credit entry will also be made equal to 100% of the difference between storage withdrawals priced at the actual book inventory rate as of October 31 prior to the PGA year and storage withdrawals priced at the inventory rate used in the PGA filing.
4. Monthly differentials shall be deemed to be positive if actual costs exceed embedded costs and to be negative if actual costs fall below embedded costs.
5. The cost differential entries shall be debited to the sub-accounts of Account 191 if positive, and credited to the sub-accounts of Account 191 if negative.
6. Interest – Beginning November 1, 2007, the Company shall compute interest on existing deferred balances on a monthly basis using the interest rate(s) approved by the Commission.

(continue to Sheet P-6)

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NW Natural
PGA Summary Sheet - Mandatory Replacement Filing
PGA Filing Guidelines
OPUC Order Nos. 09-263 - 09-248, Docket UM 1286
 IV. General Information and Forecasting
 2. workpapers
 a. PGA Summary Sheet

	Amount	Location in Company Filing (cite)
1) Change in Annual Revenues		
(Per OAR 860-022-0017(3)(a))		
A) Dollars (<i>To .1 million</i>)	(\$185,900,000)	Exhibit B, Page 3
B) Percent (<i>To .1 percent</i>)	-21.19%	"
2) Annual Revenues Calculation (Whole Dollars)		
A) PGA Cost Change (<i>Commodity & Transportation</i>)	(173,555,353)	Exhibit B, Page 3
B) Remove Last Year's Temporary Increment Total	(10,194,193)	"
C) Add New Temporary Increment	(21,338,810)	"
D) Other Additions or Subtractions (<i>Break out & List each below -- Attach additional sheet if necessary</i>)		
1) Net Safety Programs	791,000	Exhibit B, Page 3
2) Storage Recall	95,825	"
3) Remove Coos Bay	145,783	"
4) Elasticity	(6,351,435)	"
5) UM 1335	4,076,000	"
6)	-	"
E) Total Proposed Change	(185,942,797)	"
3) Residential Bill Effects Summary		
A) Residential Schedule 2 Rate Impacts		
1) Current Billing Rate per Therm	\$1.39384	Exhibit B, Page 2
2) Proposed Billing Rate per Therm	\$1.12187	"
3) Rate Change Per Therm	(\$0.27197)	"
4) Percent Change per Therm (<i>to .1%</i>)	-19.5%	"
B) Average Residential Bill Impact (forecasted weather-normalized annual)		
1) Average Residential Monthly Use	55	Exhibit B, Page 2
2) Customer Charge	\$6.00	"
3) Current Average Monthly Bill	\$82.66	"
4) Proposed Average Monthly Bill	\$67.70	"
5) Change in Average Monthly Bill	(\$14.96)	"
6) Percent change in Average Monthly Bill (<i>to .1%</i>)	-18.1%	"
C) Average January Residential Bill Impact		
1) Average January Residential Use (forecasted weather-norm	108	N/A
2) Customer Charge	\$6.00	N/A
3) Current Average January Bill	\$156.53	N/A
4) Proposed Average January Bill	\$127.16	N/A
5) Change in Average January Bill	(\$29.37)	N/A

	Amount	Location in Company Filing (cite)
6) Percent change in Average January Bill (<i>to .1%</i>)	-18.8%	N/A
4) Breakdown of Costs		
A) Embedded in Rates		
1) Total Commodity Cost	0	
a) Total Demand Cost (assoc. w/ supply)	0	
b) Total Peaking Cost (assoc. w/ supply)	0	
c) Total Reservation Cost (assoc. w/ supply)	0	
d) Total Volumetric Cost (assoc. w/ supply)	\$560,273,612	N/A
e) Total Storage Cost (assoc. w/ supply)	0	
f) Other	\$2,213,269	N/A
2) Total Transportation Cost (<i>Pipeline related</i>)	0	
a) Total Upstream Canadian Toll	0	
i. Total Demand, Capacity, or Reservation Cost	33,892,586	N/A
ii. Total Volumetric Cost	0	
b) Total Domestic Cost	0	
i. Total Demand, Capacity, or Reservation Cost	48,748,373	N/A
ii. Total Volumetric Cost	0	
3) Total Storage Costs	\$84,692,441	N/A
4) Capacity Release Credits	0	
5) Total Gas Costs	\$729,820,281	N/A
B) Projected For New Rates		
1) Total Commodity Cost	0	
a) Total Demand Cost (assoc. w/ supply)	0	
b) Total Peaking Cost (assoc. w/ supply)	0	
c) Total Reservation Cost (assoc. w/ supply)	0	
d) Total Vaporization Cost (assoc. w/ supply)	0	
e) Total Volumetric Cost (assoc. w/ supply)	\$341,967,325	Exhibit B, Page 5
f) Total Storage Cost (assoc. w/ supply)	0	
g) Other (A&G Benchmark Savings)	\$2,004,863	Exhibit B, Page 5
2) Total Transportation Cost (<i>Pipeline related</i>)	0	
a) Total Upstream Canadian Toll	0	
i. Total Demand, Capacity, or Reservation Cost	32,881,145	Exhibit B, Page 6
ii. Total Volumetric Cost	0	
b) Total Domestic Cost	0	
i. Total Demand, Capacity, or Reservation Cost	48,673,480	Exhibit B, Page 6
ii. Total Volumetric Cost	0	
3) Total Storage Costs	\$67,276,229	Exhibit B, Page 5
4) Capacity Release Credits	0	
5) Total Gas Costs	\$492,803,042	Exhibit B, Page 5
5) WACOG (<i>Weighted Average Cost of Gas</i>)		
A) Embedded in Rates		
1) WACOG (<i>Commodity Only</i>)	0	
a. With revenue sensitive	\$0.85126	N/A
b. Without revenue sensitive	\$0.82668	N/A
2) WACOG (<i>Non-Commodity</i>)	\$0.00000	
a. With revenue sensitive	\$0.12115	N/A

	Amount	Location in Company Filing (cite)
b. Without revenue sensitive	\$0.11765	N/A
B) Proposed for New Rates		
1) WACOG (Commodity Only)	\$0.00000	
a. With revenue sensitive	\$0.58734	Exhibit B, Page 5 and Page 8
b. Without revenue sensitive	\$0.56977	"
2) WACOG (Non-Commodity)	\$0.00000	
a. With revenue sensitive	\$0.12502	Exhibit B, Page 7
b. Without revenue sensitive	\$0.12128	"
6) Therms Sold	721,775,799	Exhibit B, Page 5
7) Purchasing/ Hedging Strategies Prepare 1-2 page summary of gas cost situation to include resources, purchasing strategy, hedging, and pipeline issues. Within the summary include:		
A) Resources embedded in current rates and an explanation of proposed resources.		
1) Firm Pipeline Capacity		
a) Year-round supply contracts	N/A	Exhibit A, IV.2.b 1-7
b) Winter-only contracts	N/A	"
c) Reliance on Spot Gas/Other Short Term Contracts	N/A	"
d) Other - e.g. Supply area storage	N/A	"
2) Market Area Storage		
a) Underground-owned	N/A	"
b) Underground- contracted	N/A	"
c) LNG-owned	N/A	"
d) LNG-contracted	N/A	"
3) Other Resources		
a) Recallable Supply	N/A	"
b) City gate Deliveries	N/A	"
c) Owned-Production	N/A	"
d) Propane/Air	N/A	"

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON



SUPPORTING MATERIALS
TO
COMBINED EFFECTS,
COMMODITY AND NON-COMMODITY COSTS, AND
TEMPORARY AND PERMANENT ADJUSTMENTS EFFECTS

Purchased Gas Cost and Technical Adjustments to Rates
Mandatory Replacement Filing
NWN Advice No. OPUC 09-12A

October 12, 2009



Exhibit B
Supporting Materials
Mandatory Replacement Filing
NWN Advice No. OPUC 09-12A

Combined Effects:

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NW Natural
 Rates & Regulatory Affairs
 2009-2010 PGA Filing - Oregon: October Filing
 Calculation of Proposed Rates - SUMMARY

		1/1/2009			Proposed	Net change	Net change	Elasticity	Pre-1981	Storage Recall	Proposed
		Billing	Net change	Net change	Rates	Permanent	Temporary	Adjustment	Reg Assets	Adjustment	Rates [1]
		Rates	WACOG	Demand [1]	PGA Only [1]	Increments	Increments		Adjustment	Adjustment	
					D=A+B+C						
Schedule	Block	A	B	C	D	E	F	G	H	I	J
1R		1.45725	(0.26392)	0.00387	1.19720	0.00192	(0.00849)	(0.01369)	0.01140	0.00028	1.18862
1C		1.41578	(0.26392)	0.00387	1.15573	0.00091	(0.02067)	(0.00658)	0.00770	0.00018	1.13727
2R		1.39384	(0.26392)	0.00387	1.13379	0.00199	(0.00816)	(0.01369)	0.00775	0.00019	1.12187
3C Firm Sales		1.28982	(0.26392)	0.00387	1.02977	0.00154	(0.02045)	(0.00658)	0.00546	0.00013	1.00987
Intentionally blank											
3I Firm Sales		1.26989	(0.26392)	0.00387	1.00984	0.00144	(0.03950)	0.00000	0.00463	0.00011	0.97652
Intentionally blank											
19	1st mantle	23.33	(5.04)	0.08	18.37	0.01	(0.73)	(0.26)	0.00	0.00	17.39
19	add'l mths	22.72	(5.04)	0.08	17.76	0.01	(0.73)	(0.26)	0.00	0.00	16.78
31C Firm Sales	Block 1	1.00914	(0.26392)		0.74522	0.00128	(0.02029)	(0.00658)	0.00386	0.00009	0.72358
	Block 2	0.99340	(0.26392)		0.72948	0.00124	(0.02027)	(0.00658)	0.00353	0.00009	0.70749
31C Firm Trans	Block 1	0.17195	0.00000		0.17195	0.00125	0.01764	(0.00658)	0.00329	0.00000	0.18755
	Block 2	0.15616	0.00000		0.15616	0.00121	0.01767	(0.00658)	0.00302	0.00000	0.17148
31C Interr Sales	Block 1	1.03105	(0.26392)		0.76713	0.00112	(0.03495)	(0.00658)	0.00270	0.00007	0.72949
	Block 2	1.01520	(0.26392)		0.75128	0.00110	(0.03495)	(0.00658)	0.00247	0.00006	0.71338
31I Firm Sales	Block 1	1.00149	(0.26392)		0.73757	0.00133	(0.03939)	0.00000	0.00370	0.00009	0.70330
	Block 2	0.98572	(0.26392)		0.72180	0.00118	(0.03935)	0.00000	0.00334	0.00008	0.68705
31I Firm Trans	Block 1	0.16378	0.00000		0.16378	0.00081	(0.00035)	0.00000	0.00322	0.00000	0.16746
	Block 2	0.14800	0.00000		0.14800	0.00072	(0.00031)	0.00000	0.00291	0.00000	0.15132
31I Interr Sales	Block 1	1.02147	(0.26392)		0.75755	0.12519	(0.05991)	0.00000	0.09435	0.00230	0.91948
	Block 2	1.00578	(0.26392)		0.74186	0.11313	(0.05935)	0.00000	0.08526	0.00208	0.88298
32C Firm Sales	Block 1	0.93532	(0.26392)		0.67140	0.00027	(0.03806)	0.00000	0.00199	0.00005	0.63565
	Block 2	0.92067	(0.26392)		0.65675	0.00024	(0.03804)	0.00000	0.00169	0.00004	0.62068
	Block 3	0.89628	(0.26392)		0.63236	0.00016	(0.03799)	0.00000	0.00119	0.00003	0.59575
	Block 4	0.87188	(0.26392)		0.60796	0.00009	(0.03794)	0.00000	0.00070	0.00002	0.57083
	Block 5	0.85724	(0.26392)		0.59332	0.00006	(0.03792)	0.00000	0.00040	0.00001	0.55587
	Block 6	0.84750	(0.26392)		0.58358	0.00003	(0.03790)	0.00000	0.00020	0.00000	0.54591
32I Firm Sales	Block 1	0.93598	(0.26392)		0.67206	0.00039	(0.03924)	0.00000	0.00215	0.00005	0.63541
	Block 2	0.92125	(0.26392)		0.65733	0.00034	(0.03922)	0.00000	0.00183	0.00004	0.62032
	Block 3	0.89672	(0.26392)		0.63280	0.00023	(0.03916)	0.00000	0.00129	0.00003	0.59519
	Block 4	0.87216	(0.26392)		0.60824	0.00016	(0.03913)	0.00000	0.00075	0.00002	0.57004
	Block 5	0.85747	(0.26392)		0.59355	0.00006	(0.03910)	0.00000	0.00043	0.00001	0.55495
	Block 6	0.84765	(0.26392)		0.58373	0.00004	(0.03908)	0.00000	0.00022	0.00001	0.54492
32 Firm Trans	Block 1	0.09763	0.00000		0.09763	0.00021	(0.00021)	0.00000	0.00162	0.00000	0.09925
	Block 2	0.08299	0.00000		0.08299	0.00018	(0.00020)	0.00000	0.00137	0.00000	0.08434
	Block 3	0.05861	0.00000		0.05861	0.00013	(0.00015)	0.00000	0.00097	0.00000	0.05956
	Block 4	0.03423	0.00000		0.03423	0.00008	(0.00012)	0.00000	0.00057	0.00000	0.03476
	Block 5	0.01961	0.00000		0.01961	0.00004	(0.00009)	0.00000	0.00032	0.00000	0.01988
	Block 6	0.00986	0.00000		0.00986	0.00003	(0.00007)	0.00000	0.00016	0.00000	0.00998
32 Interr Sales	Block 1	0.95612	(0.26392)		0.69220	0.00048	(0.05399)	0.00000	0.00190	0.00005	0.64064
	Block 2	0.94146	(0.26392)		0.67754	0.00041	(0.05398)	0.00000	0.00162	0.00004	0.62563
	Block 3	0.91701	(0.26392)		0.65309	0.00030	(0.05392)	0.00000	0.00114	0.00003	0.60064
	Block 4	0.89258	(0.26392)		0.62866	0.00018	(0.05389)	0.00000	0.00067	0.00002	0.57564
	Block 5	0.87792	(0.26392)		0.61400	0.00009	(0.05386)	0.00000	0.00038	0.00001	0.56062
	Block 6	0.86815	(0.26392)		0.60423	0.00005	(0.05384)	0.00000	0.00019	0.00000	0.55063
32 Interr Trans	Block 1	0.09789	0.00000		0.09789	0.00030	(0.00020)	0.00000	0.00158	0.00000	0.09957
	Block 2	0.08324	0.00000		0.08324	0.00024	(0.00020)	0.00000	0.00135	0.00000	0.08463
	Block 3	0.05879	0.00000		0.05879	0.00017	(0.00015)	0.00000	0.00095	0.00000	0.05976
	Block 4	0.03434	0.00000		0.03434	0.00010	(0.00012)	0.00000	0.00055	0.00000	0.03487
	Block 5	0.01966	0.00000		0.01966	0.00006	(0.00009)	0.00000	0.00032	0.00000	0.01995
	Block 6	0.00989	0.00000		0.00989	0.00003	(0.00007)	0.00000	0.00016	0.00000	0.01001
Intentionally blank											
33		0.00529	0.00000	0.00000	0.00529	0.00001	(0.00001)	0.00000	0.00009	0.00000	0.00538

Sources:

Direct Inputs	Jan 09 filing
Rates in detail	Col F - Col B Column G+H-C-D Col C - Col B Col E - Col D Column O Column P Column Q

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

NW Natural
 Rates & Regulatory Affairs
 2009-2010 PGA Filing - Oregon: October Filing
 PGA Effects on Average Bill by Rate Schedule

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

Schedule	Block	Oregon PGA Normalized Volumes page, Column D	Therms in Block	Normal Therms Monthly Average use	Minimum Monthly Charge	1/1/2009 Billing Rates	1/1/2009 Current Average Bill	Proposed 11/1/2009 PGA Only Rates	Proposed 11/1/2009 PGA Only Average Bill	Proposed 11/1/2009	Proposed 11/1/2009	Proposed 11/1/2009	Proposed 11/1/2009	Proposed 11/1/2009	Proposed 11/1/2009	Proposed 11/1/2009
										% Bill Change	Temp & Base Rates	Temp & Base Average Bill	% Bill Change	Rates	Total Average Bill	% Total Bill Change
						F=D+(C * E)	G	H=D+(C * G)	I=(H-F)/F	J	K=D+(C * J)	L=(K-F)/F	M	N	O=(N-F)/F	
7	1R	726,368	N/A	17.0	5.00	1.45725	29.77	1.19720	25.35	-14.8%	1.44867	29.63	-0.5%	1.18862	25.21	-15.3%
8	1C	167,659	N/A	77.0	5.00	1.41578	114.02	1.15573	93.99	-17.6%	1.39732	112.59	-1.3%	1.13727	92.57	-18.8%
9	2R	355,349,088	N/A	55.0	6.00	1.39384	82.66	1.13379	68.36	-17.3%	1.38192	82.01	-0.8%	1.12187	67.70	-18.1%
10	3C Firm Sales	152,067,450	N/A	230.0	8.00	1.28982	304.66	1.02977	244.85	-19.6%	1.26992	300.08	-1.5%	1.00987	240.27	-21.1%
Intentionally blank																
12	3I Firm Sales	2,174,044	N/A	656.0	8.00	1.26989	841.05	1.00984	670.46	-20.3%	1.23657	819.19	-2.6%	0.97652	648.60	-22.9%
Intentionally blank																
14	19	18,760	N/A	98.0	22.04	23.33	23.33	18.37	18.37	-21.3%	22.35	22.35	-4.2%	17.39	17.39	-25.5%
15	add'l mths	0	N/A	0.0	21.43	22.72	22.72	17.76	17.76	-21.8%	21.74	21.74	-4.3%	16.78	16.78	-26.1%
16	31C Firm Sales	24,057,306	2,000	4,162.0	325.00	1.00914	2,343.28	0.74522	1,815.44		0.98750	2,300.00		0.72358	1,772.16	
17	Block 2	36,368,804	all additional			0.99340	2,147.73	0.72948	1,577.14		0.97141	2,100.19		0.70749	1,529.59	
18	Total						4,491.01		3,392.58	-24.5%		4,400.19	-2.0%		3,301.75	-26.5%
19	31C Firm Trans	0	2,000	0.0	325.00	0.17195	325.00	0.17195	325.00		0.18755	325.00		0.18755	325.00	
20	Block 2	0	all additional			0.15616		0.15616			0.17148			0.17148		
21	Total						325.00		325.00	0.0%		325.00	0.0%		325.00	0.0%
22	31C Interr Sales	223,579	2,000	0.0	325.00	1.03105	325.00	0.76713	325.00		0.99341	325.00		0.72949	325.00	
23	Block 2	812,974	all additional			1.01520		0.75128			0.97730			0.71338		
24	Total						325.00		325.00	0.0%		325.00	0.0%		325.00	0.0%
25	31I Firm Sales	3,013,400	2,000	3,699.0	325.00	1.00149	2,327.98	0.73757	1,800.14		0.96722	2,259.44		0.70330	1,731.60	
26	Block 2	8,129,370	all additional			0.98572	1,674.74	0.72180	1,226.34		0.95097	1,615.70		0.68705	1,167.30	
27	Total						4,002.72		3,026.48	-24.4%		3,875.14	-3.2%		2,898.90	-27.6%
28	31I Firm Trans	46,557	2,000	5,736.0	325.00	0.16378	652.56	0.16378	652.56		0.16746	659.92		0.16746	659.92	
29	Block 2	159,947	all additional			0.14800	552.93	0.14800	552.93		0.15132	565.33		0.15132	565.33	
30	Total						1,205.49		1,205.49	0.0%		1,225.25	1.6%		1,225.25	1.6%
31	31I Interr Sales	6,751	2,000	53.0	325.00	1.02147	379.14	0.75755	365.15		1.18340	387.72		0.91948	373.73	
32	Block 2	5,979	all additional			1.00578		0.74186			1.14690			0.88298		
33	Total						379.14		365.15	-3.7%		387.72	2.3%		373.73	-1.4%
27	32C Firm Sales	4,257,903	10,000	18,849.0	675.00	0.93532	10,028.20	0.67140	7,389.00		0.89957	9,670.70		0.63565	7,031.50	
28	Block 2	4,488,591	20,000			0.92067	8,147.01	0.65675	5,811.58		0.88460	7,827.83		0.62068	5,492.40	
29	Block 3	1,469,604	20,000			0.89628		0.63236			0.85967			0.59575		
30	Block 4	188,695	100,000			0.87188		0.60796			0.83475			0.57083		
31	Block 5	0	600,000			0.85724		0.59332			0.81979			0.55587		
32	Block 6	0	all additional			0.84750		0.58358			0.80983			0.54591		
33	Total						18,175.21		13,200.58	-27.4%		17,498.53	-3.7%		12,523.90	-31.1%
34	32I Firm Sales	2,502,255	10,000	16,204.0	675.00	0.93598	10,034.80	0.67206	7,395.60		0.89933	9,668.30		0.63541	7,029.10	
35	Block 2	3,460,532	20,000			0.92125	5,715.44	0.65733	4,078.08		0.88424	5,485.82		0.62032	3,848.47	
36	Block 3	1,304,655	20,000			0.89672		0.63280			0.85911			0.59519		
37	Block 4	899,465	100,000			0.87216		0.60824			0.83396			0.57004		
38	Block 5	1	600,000			0.85747		0.59355			0.81887			0.55495		
39	Block 6	0	all additional			0.84765		0.58373			0.80884			0.54492		
40	Total						15,750.24		11,473.68	-27.2%		15,154.12	-3.8%		10,877.57	-30.9%
41	32 Firm Trans	5,662,307	10,000	92,499.0	675.00	0.09763	1,651.30	0.09763	1,651.30		0.09925	1,667.50		0.09925	1,667.50	
42	Block 2	8,929,949	20,000			0.08299	1,659.80	0.08299	1,659.80		0.08434	1,686.80		0.08434	1,686.80	
43	Block 3	5,934,416	20,000			0.05861	1,172.20	0.05861	1,172.20		0.05956	1,191.20		0.05956	1,191.20	
44	Block 4	17,922,013	100,000			0.03423	1,454.74	0.03423	1,454.74		0.03476	1,477.27		0.03476	1,477.27	
45	Block 5	17,050,698	600,000			0.01961		0.01961			0.01988			0.01988		
46	Block 6	0	all additional			0.00986		0.00986			0.00998			0.00998		
47	Total						5,938.04		5,938.04	0.0%		6,022.77	1.4%		6,022.77	1.4%
48	32 Interr Sales	10,429,376	10,000	29,740.0	675.00	0.95612	10,236.20	0.69220	7,597.00		0.90456	9,720.60		0.64064	7,081.40	
49	Block 2	13,880,474	20,000			0.94146	18,584.42	0.67754	13,550.80		0.88955	17,559.72		0.62563	12,349.94	
50	Block 3	7,538,869	20,000			0.91701		0.65309	(169.80)		0.86456			0.60064		
51	Block 4	12,407,037	100,000			0.89258		0.62866			0.83956			0.57564		
52	Block 5	4,994,306	600,000			0.87792		0.61400			0.82454			0.56062		
53	Block 6	0	all additional			0.86815		0.60423			0.81455			0.55063		
54	Total						28,820.62		20,978.00	-27.2%		27,280.32	-5.3%		19,431.34	-32.6%
55	32 Interr Trans	6,243,567	10,000	201,583.0	675.00	0.09789	1,653.90	0.09789	1,653.90		0.09957	1,670.70		0.09957	1,670.70	
56	Block 2	10,718,721	20,000			0.08324	1,664.80	0.08324	1,664.80		0.08463	1,692.60		0.08463	1,692.60	
57	Block 3	7,690,383	20,000			0.05879	1,175.80	0.05879	1,175.80		0.05976	1,195.20		0.05976	1,195.20	
58	Block 4	22,705,048	100,000			0.03434	3,434.00	0.03434	3,434.00		0.03487	3,487.00		0.03487	3,487.00	
59	Block 5	48,168,825	600,000			0.01966	1,014.12	0.01966	1,014.12		0.01995	1,029.08		0.01995	1,029.08	
60	Block 6	76,222,375	all additional			0.00989		0.00989			0.01001			0.01001		
61	Total						8,942.62		8,942.62	0.0%		9,074.58	1.5%		9,074.58	1.5%
Intentionally blank																
63	33	0	N/A	0.0	38,000.00	0.00529	38,000.00	0.00529	38,000.00	0.0%	0.00538	38,000.00	0.0%	0.00538	38,000.00	0.0%
64	Totals															
65		878,398,101														
66		0														
67	Sources:															
68	Direct Inputs		per Tariff		per Tariff											
69																
70																
71	Rates in summary					Column A	Column D			Col's A+E+F+G+H+I				Column J		
72																
73	[1] For convenience of presentation, the cent per therm demand charge is used, rather than the available MDDV demand option for Rate Schedules 31 and 32															

NW Natural
Rates & Regulatory Affairs
2009-2010 PGA Filing - Oregon: October Filing
PGA Effects on Revenue

	Excluding Revenue Sensitive <u>Amount</u>	Including Revenue Sensitive <u>Amount</u>	<u>Reference</u>
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NW Natural
Rates and Regulatory Affairs
2009-2010 PGA Filing - OREGON
Basis for Revenue Related Costs

	Twelve Months Ended 06/30/09	
1		
2		
3	890,192,604	
4	922,390,509	
5		
6	2,305,976	0.250% Statutory rate
7	21,439,393	2.324% Line 7 ÷ Line 4
8	3,852,973	0.418% Line 8 ÷ Line 4
9		
10	<u>27,598,342</u>	<u>2.992%</u> Sum lines 8-9
11		
12		

13 **Note:**

14 [1] Dollar figure is set at statutory level of 0.25% times Total Oregon Revenues (line 4)

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NW Natural
 2009-2010 PGA - SYSTEM: October Filing
 Summary of Total Commodity Cost

SYSTEM COSTS

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)		
			November	December	January	February	March	April	May	June	July	August	September	October	TOTAL		
			1	2	3	4	5	6	7	8	9	10	11	12			
COSTS																	
5	Commodity Cost from Supply		\$39,872,311	\$49,528,286	\$39,258,403	\$32,754,734	\$36,656,486	\$31,531,685	\$22,628,329	\$16,414,037	\$13,641,448	\$13,780,605	\$15,670,993	\$30,230,008	\$341,967,325		
6	<small>tab commodity cost from supply, column ao, lines 93-105</small>																
7	Volumetric Pipeline Chgs		\$257,074	\$310,392	\$238,749	\$202,035	\$210,220	\$183,804	\$125,989	\$87,255	\$71,524	\$71,700	\$81,189	\$164,932	\$2,004,863		
8	<small>tab commodity cost from vol pipe, column c, line 78-90</small>																
9	Commodity Cost from Storage		\$2,381,252	\$12,012,965	\$23,841,658	\$18,751,843	\$9,176,201	\$236,651	\$146,925	\$142,185	\$146,925	\$146,925	\$142,185	\$150,514	\$67,276,229		
10	<small>tab Commodity Cost from Storage, column h, line e1-73</small>																
11	Total Commodity Cost		\$42,510,637	\$61,851,643	\$63,338,810	\$51,708,612	\$46,042,907	\$31,952,140	\$22,901,243	\$16,643,477	\$13,859,897	\$13,999,230	\$15,894,367	\$30,545,454	\$411,248,417		
VOLUMES																	
14	Pipeline Commodity at Receipt Points		79,673,885	94,987,410	71,559,092	58,849,695	66,089,458	58,901,729	40,633,897	28,232,739	23,128,522	23,185,816	26,265,988	52,969,201	624,477,432		
15	Pipeline Fuel Use		2,012,834	2,358,762	1,839,606	1,500,266	1,682,581	1,393,844	992,695	730,568	659,304	660,210	699,454	1,326,296	15,856,420		
16	Pipeline Gas Arriving at City Gate		77,661,051	92,628,648	69,719,486	57,349,429	64,406,877	57,507,885	39,641,202	27,502,171	22,469,218	22,525,606	25,566,534	51,642,905	608,621,012		
17	Storage Gas Deliveries		4,699,391	19,644,010	40,596,042	32,991,221	15,582,522	443,955	217,000	210,000	217,000	217,000	210,000	225,889	115,254,030		
18	Total Gas At Citygate (Storage and Pipeline)		82,360,442	112,272,658	110,315,528	90,340,650	79,989,399	57,951,840	39,858,202	27,712,171	22,686,218	22,742,606	25,776,534	51,868,794	723,875,042		
20	Unaccounted for Gas		267,866	319,492	240,474	197,811	222,149	198,352	136,729	94,862	77,504	77,696	88,182	178,126	2,099,243	0.290%	0.000%
22	Load Served		82,092,576	111,953,166	110,075,054	90,142,839	79,767,250	57,753,488	39,721,473	27,617,309	22,608,714	22,664,910	25,688,352	51,690,668	721,775,799		
24	Annual Sales WACOG		\$0.51784	\$0.55248	\$0.57541	\$0.57363	\$0.57722	\$0.55325	\$0.57655	\$0.60265	\$0.61303	\$0.61766	\$0.61874	\$0.59093	\$0.56977	\$0.57277	-\$0.00300
OR	OREGON Sales WACOG with Revenue Sensitive		\$0.53381	\$0.56952	\$0.59316	\$0.59132	\$0.59502	\$0.57031	\$0.59433	\$0.62124	\$0.63194	\$0.63671	\$0.63782	\$0.60916	\$0.58734		
WA	WASHINGTON Sales WACOG with Revenue Sensitive		\$0.54217	\$0.57843	\$0.60244	\$0.60058	\$0.60434	\$0.57924	\$0.60364	\$0.63096	\$0.64183	\$0.64668	\$0.64781	\$0.61869	\$0.59654		

NW Natural
 2009-2010 PGA - OREGON: August Filing
 Derivation of Oregon per therm Non-Commodity Charges

Oregon Derivation of Demand Increments

		Without Revenue Sensitive	WITH Revenue Sensitive
	(a)	(c)	(d)
1			
2			
3			
4	System Demand	\$81,554,625	
5	Oregon Allocation Factor 1/	90.21%	
6	Oregon Demand	\$73,570,427	
7			
8	Oregon Firm Sales Forecasted Normal Volumes	600,643,949	
9	Oregon Interruptible Sales Forecasted Normal Volumes	50,299,345	
10			
11			
12	Proposed Firm Demand Per Therm 2/	\$0.12128	\$0.12502
13	Proposed Interruptible Demand 2/	\$0.01442	\$0.01486
14	Proposed MDDV Demand Charge	\$1.81	\$1.87
15			
16	Current Firm Demand Per Therm	\$0.11765	\$0.12115
17	Current Interruptible Demand	\$0.01399	\$0.01441
18	Current MDDV Demand Charge	\$1.76	\$1.81
19			
20	Percent Change in Firm Demand	3.09%	
21			
22			
23	1/Allocation Factor: Actual 12 months ended 06/30/09 firm sales volumes:		
24		<u>Washington</u>	<u>Oregon</u>
25	Residential	45,029,237	362,678,428
26	Commercial	20,837,936	232,002,769
27	Industrial	2,963,408	39,543,978
28	Total	<u>68,830,581</u>	<u>634,225,175</u>
29		9.79%	90.21%
30			
31	2/Calculation of Proposed Demand Rates:		
32			
33	Demand change factor	1.031	
34			
35	Firm Demand (line 8 * line 35)	\$0.12128	\$72,845,038
36	Interruptible Demand (line 9 * line 36)	\$0.01442	\$725,389
37			<u>\$73,570,427</u>
38			\$0

NW Natural
 2009-2010 PGA - SYSTEM: October Filing
 Calculation of Winter WACOG

1	Forecast price for AECO gas:		
2			
3		<u>AECO/NIT</u>	
4			
5	November	\$0.38870	
6	December	\$0.46574	
7	January	\$0.47947	
8	February	\$0.48222	
9	March	\$0.48025	
10	April	\$0.47134	
11	May	\$0.47477	
12	June	\$0.48121	
13	July	\$0.49070	
14	August	\$0.49941	
15	September	\$0.50766	
16	October	\$0.52528	
17			
18			
19	Average price, November-March	\$0.45928	average lines 5-9
20			
21	Annual average price, November-October	\$0.47890	average lines 5-16
22			
23	Ratio of winter to annual	0.95903	line 19 ÷ line 21
24			
25		Without Rev	WITH Rev
26		<u>Sensitive</u>	<u>Sensitive</u>
OR	Oregon Annual WACOG	\$0.56977	\$0.58734
OR	Oregon Winter WACOG	\$0.54643	\$0.56328
		line 23 * 0.56977	
WA	Washington Annual WACOG	\$0.56977	\$0.59654
WA	Washington Winter WACOG	\$0.54643	\$0.57210
		line 23 * 0.56977	

STATEMENT OF RATES					
Effective Rates Applicable to					
Rate Schedules TF-1, TF-2, TI-1, TFL-1 and TIL-1					
(Dollars per Dth)					
Rate Schedule and Type of Rate	Base Tariff Rate		ACA(2)	Currently Effective Tariff Rate(3)	
	Minimum	Maximum		Minimum	Maximum
Rate Schedule TF-1 (4) (5)					
Reservation					
(Large Customer)					
System-Wide	.00000	.37984	-	.00000	.37984
15 Year Evergreen Exp.	.00000	.38101	-	.00000	.38101
25 Year Evergreen Exp.	.00000	.36445	-	.00000	.36445
Volumetric					
(Large Customer)					
System-Wide	.00756	.03000	.00190	.00946	.03190
15 Year Evergreen Exp.	.00369	.00369	.00190	.00559	.00559
25 Year Evergreen Exp.	.00369	.00369	.00190	.00559	.00559
(Small Customer) (6)	.00756	.67209	.00190	.00946	.67399
Scheduled Overrun	.00756	.40984	.00190	.00946	.41174
Rate Schedule TF-2 (4) (5)					
Reservation	.00000	.37984	-	.00000	.37984
Volumetric	.00756	.03000	-	.00756	.03000
Scheduled Daily Overrun	.00756	.40984	-	.00756	.40984
Annual Overrun	.00756	.40984	-	.00756	.40984
Rate Schedule TI-1					
Volumetric (7)	.00756	.40984	.00190	.00946	.41174
Scheduled Overrun	.00756	.40984	.00190	.00946	.41174
Rate Schedule TFL-1 (4) (5)					
Reservation	-	-	-	-	-
Volumetric	-	-	-	-	-
Scheduled Overrun	-	-	-	-	-
Rate Schedule TIL-1					
Volumetric	-	-	-	-	-
Scheduled Overrun	-	-	-	-	-

TF0307 0030003P128Third Revised Sheet No. 7
 TF04 Second Revised Sheet No. 7
 TF05Laren M. Gertsch, Director
 TF06112008 010109

STATEMENT OF RATES (Continued)

Effective Rates Applicable to Rate Schedules SGS-2F and SGS-2I

(Dollars per Dth)

Rate Schedule and Type of Rate	Currently Effective Tariff Rate (1)	
	Minimum	Maximum
Rate Schedule SGS-2F (2) (3) (4) (5)		
Demand Charge		
Pre-Expansion Shipper	0.00000	0.01551
Expansion Shipper	0.00000	0.08476
Capacity Demand Charge		
Pre-Expansion Shipper	0.00000	0.00056
Expansion Shipper - 2009 Phase	0.00000	0.00243
Volumetric Bid Rates		
Withdrawal Charge		
Pre-Expansion Shipper	0.00000	0.01551
Expansion Shipper	0.00000	0.08476
Storage Charge		
Pre-Expansion Shipper	0.00000	0.00056
Expansion Shipper - 2009 Phase	0.00000	0.00243
Rate Schedule SGS-2I		
Volumetric	0.00000	0.00113

Footnotes

- (1) Shippers receiving service under these rate schedules are required to furnish fuel reimbursement in-kind at the rates specified on Sheet No. 14.

TF038 0010003P158 First Revised Sheet No. 8
 TF04 Original Sheet No. 8
 TF05 Laren M. Gertsch, Director
 TF06 103108 010109
 TF07 1861272

STATEMENT OF RATES (Continued)

Effective Rates Applicable to Rate Schedule LS-1
 (Dollars per Dth)

Type of Rate	Currently Effective Tariff Rate (1)
Demand Charge (2)	0.03062
Capacity Charge (2)	0.00391
Liquefaction	0.64110
Vaporization	0.04184

Footnotes

- (1) Shippers receiving service under this rate schedule are required to furnish fuel reimbursement in-kind at the rate specified on Sheet No. 14.
- (2) Rates are daily rates computed on the basis of 365 days per year, except that rates for leap years are computed on the basis of 366 days.

NW Natural
 Rates & Regulatory Affairs
 2009-2010 PGA Filing - Oregon: October Filing
 Elasticity Adjustment

	Elasticity Volumes	Monthly Service Charge	Customers	Current 1/1/2009 Billing Rate	Proposed 11/1/2009 Billing Rate Before Elasticity	Current 1/1/2009 Revenue	Proposed 11/1/2009 Revenue	WACOG	Demand	Proposed 11/1/2009 Temporaries	Proposed 11/1/2009 Margin Rate	Proposed 11/1/2009 Margin				
	A	B	C	D	E	F=(D*A)+(B*C*12)	G=(E*A)+(B*C*12)	H	I	J	K = E - H - I - J	L = K * A				
1	Schedule	Block														
2	1R		740,057.1	\$5.00	3,624	\$1.45725	\$1.20231	\$1,295,888	\$1,107,218	\$0.58734	\$0.12502	(\$0.01944)	\$0.50939	\$376,978		
3	1C		166,237.5	\$5.00	182	\$1.41578	\$1.14385	\$246,276	\$201,071	\$0.58734	\$0.12502	(\$0.04943)	\$0.48092	\$79,947		
4	2R		362,046,568.9	\$6.00	533,687	\$1.39384	\$1.13556	\$543,060,454	\$449,551,066	\$0.58734	\$0.12502	(\$0.01920)	\$0.44240	\$160,169,402		
5	3C Firm Sales		149,398,650.1	\$8.00	55,204	\$1.28982	\$1.01645	\$197,996,951	\$157,155,842	\$0.58734	\$0.12502	(\$0.04929)	\$0.35338	\$52,794,495		
6	Intentionally blank															
7	3I Firm Sales															
8	Intentionally blank															
9	19	1st mantle														
10	19	add'l mnts														
11	31C Firm Sales	Block 1	23,853,414.2	\$325.00	1,210	\$1.00914	\$0.85518	\$28,790,434	\$25,117,963	\$0.58734	\$0.12502	(\$0.04919)	\$0.19201	\$4,580,094		
12		Block 2	36,060,568.8			\$0.99340	\$0.83909	\$35,822,569	\$30,258,063	\$0.58734	\$0.12502	(\$0.04917)	\$0.17590	\$6,343,054		
13	31C Firm Trans	Block 1	0.0	\$325.00	0	\$0.17195	\$0.19413	\$0	\$0	\$0.00000	\$0.00000	\$0.00227	\$0.19186	\$0		
14		Block 2	0.0			\$0.15616	\$0.17806	\$0	\$0	\$0.00000	\$0.00000	\$0.00229	\$0.17577	\$0		
15	31C Interr Sales	Block 1	313,222.7	\$325.00	0	\$1.03105	\$0.75093	\$322,948	\$235,208	\$0.58734	\$0.01486	(\$0.04333)	\$0.19206	\$60,158		
16		Block 2	1,066,764.7			\$1.01520	\$0.73482	\$1,082,980	\$783,880	\$0.58734	\$0.01486	(\$0.04332)	\$0.17594	\$187,687		
17			573,645,484		593,907			\$808,618,500	\$664,410,311					\$224,591,814		
18																
19	Calculation of Class Prices and Margins:			01/01/09 Class Price				11/01/09 Class Price				11/01/09 Class Revenue		11/01/09 Class Revenues		
20				Column F + A		Column G + A					Column L + A		Class Margin Rate		Class Margin	
21	Residential (Line 2 + Line 4)		362,786,626		537,311	\$1.50049	\$1.24221	544,356,342	450,658,284				\$0.44254	160,546,380		
22	Commercial (Line 17 - Line 21)		210,858,858		56,596	\$1.25327	\$1.01372	264,262,158	213,752,027				\$0.30374	64,045,434		
23			573,645,484		593,907			808,618,500	664,410,311					224,591,814		

Sources for lines 1-17:

26	Direct Inputs		Per Tariff												
27															
28	Rates in Detail page			Column A	Column N			Column F	Columns G + H	Column N					
29	Volumes page	Column G		Column H											
30	PGA Effects page		Column D												

ELASTICITY CALCULATION:

	Residential		Commercial		
	Current	Proposed	Current	Proposed	
33	Elasticity volumes	362,786,626	210,858,858		
34					
35	Class prices (Columns D & E, lines 21, 22)	\$1.50049	\$1.24221	\$1.25327	\$1.01372
36					
37	Change in class prices		(\$0.25828)	(\$0.23955)	
38					
39	Percentage change in class prices		-17.2%	-19.1%	
40					
41	Volume change due to elasticity (Residential @ 0.172, Commercial @ 0.11)		-3.0%	-2.1%	
42					
43	Volume change due to elasticity in therms (line 42 x line 34)		(10,883,599)	(4,428,036)	
44					
45	Margin rate per therm (Columns K & L, lines 21, 22)		\$0.44254	\$0.30374	
46					
47	Margin Shortfall (line 44 x Line 46)		(\$4,816,428)	(\$1,344,972)	
48					
49	Rate Change Due to Elasticity Effects (line 48 ÷ line 34)		(\$0.01328)	(\$0.00638)	
50					
51	Rate Change Due to Elasticity Effects with revenue sensitive added		(\$0.01369)	(\$0.00658)	
52					

ral
 Regulatory Affairs
 10 PGA Filing - Oregon
 y of PERMANENT Increments

		REMOVE Current	REMOVE Current	REMOVE Current	REMOVE Current	Permanents: Removed	ADD Proposed SIP: Bare Steel 70%	ADD Proposed SIP: Bare Steel 30%	ADD Proposed	ADD Proposed	ADD Proposed	ADD Proposed	Net Effect of Permanent
		Bare Steel	Geo Hazard	IMP	Coos Bay	Subtotal			Geo-Haz Final	SIP: DIMP	SIP: TIMP	Subtotal	Items
Schedule	Block	A	B	C	D	E	F	G	H	I	J	K	L
1R		0.00516	0.00276	0.01001	(0.00042)	0.01751	0.00364	0.00250	0.00267	0.00000	0.01062	0.01943	0.00192
1C		0.00455	0.00198	0.00716	(0.00029)	0.01340	0.00364	0.00169	0.00180	0.00000	0.00718	0.01431	0.00091
2R		0.00440	0.00178	0.00647	(0.00027)	0.01238	0.00364	0.00170	0.00181	0.00000	0.00722	0.01437	0.00199
3C Firm Sales		0.00400	0.00126	0.00460	(0.00019)	0.00967	0.00364	0.00120	0.00128	0.00000	0.00509	0.01121	0.00154
Intentionally blank													
3I Firm Sales		0.00384	0.00106	0.00386	(0.00016)	0.00860	0.00364	0.00101	0.00108	0.00000	0.00431	0.01004	0.00144
Intentionally blank													
19	1st mantle	0.06	0.00	0.00	0.00	0.06	0.07	0.00	0.00	0.00	0.00	0.07	0.01
19	add'l mtl's	0.06	0.00	0.00	0.00	0.06	0.07	0.00	0.00	0.00	0.00	0.07	0.01
31C Firm Sales	Block 1	0.00371	0.00089	0.00323	(0.00013)	0.00770	0.00364	0.00085	0.00090	0.00000	0.00359	0.00898	0.00128
	Block 2	0.00365	0.00081	0.00295	(0.00012)	0.00729	0.00364	0.00077	0.00083	0.00000	0.00329	0.00853	0.00124
31C Firm Trans	Block 1	0.00360	0.00075	0.00271	(0.00011)	0.00695	0.00364	0.00072	0.00077	0.00000	0.00307	0.00820	0.00125
	Block 2	0.00355	0.00068	0.00248	(0.00010)	0.00661	0.00364	0.00066	0.00071	0.00000	0.00281	0.00782	0.00121
31C Interr Sales	Block 1	0.00350	0.00061	0.00223	(0.00009)	0.00625	0.00364	0.00059	0.00063	0.00000	0.00251	0.00737	0.00112
	Block 2	0.00345	0.00056	0.00203	(0.00008)	0.00596	0.00364	0.00054	0.00058	0.00000	0.00230	0.00706	0.00110
31I Firm Sales	Block 1	0.00056	0.00072	0.00263	(0.00011)	0.00380	0.00000	0.00081	0.00087	0.00000	0.00345	0.00513	0.00133
	Block 2	0.00051	0.00065	0.00238	(0.00010)	0.00344	0.00000	0.00073	0.00078	0.00000	0.00311	0.00462	0.00118
31I Firm Trans	Block 1	0.00054	0.00069	0.00252	(0.00010)	0.00365	0.00000	0.00071	0.00075	0.00000	0.00300	0.00446	0.00081
	Block 2	0.00049	0.00063	0.00228	(0.00009)	0.00331	0.00000	0.00064	0.00068	0.00000	0.00271	0.00403	0.00072
31I Interr Sales	Block 1	0.00079	0.00102	0.00370	(0.00016)	0.00535	0.00000	0.00265	0.02204	0.00000	0.08785	0.13054	0.12519
	Block 2	0.00071	0.00092	0.00335	(0.00014)	0.00484	0.00000	0.01866	0.01992	0.00000	0.07939	0.11797	0.11313
32C Firm Sales	Block 1	0.00037	0.00047	0.00172	(0.00007)	0.00249	0.00000	0.00044	0.00047	0.00000	0.00185	0.00276	0.00027
	Block 2	0.00031	0.00040	0.00146	(0.00006)	0.00211	0.00000	0.00037	0.00040	0.00000	0.00158	0.00235	0.00024
	Block 3	0.00022	0.00028	0.00103	(0.00004)	0.00149	0.00000	0.00026	0.00028	0.00000	0.00111	0.00165	0.00016
	Block 4	0.00013	0.00017	0.00060	(0.00003)	0.00087	0.00000	0.00015	0.00016	0.00000	0.00065	0.00096	0.00009
	Block 5	0.00007	0.00009	0.00034	(0.00001)	0.00049	0.00000	0.00009	0.00009	0.00000	0.00037	0.00055	0.00006
	Block 6	0.00004	0.00005	0.00017	(0.00001)	0.00025	0.00000	0.00004	0.00005	0.00000	0.00019	0.00028	0.00003
32I Firm Sales	Block 1	0.00038	0.00049	0.00178	(0.00007)	0.00258	0.00000	0.00047	0.00050	0.00000	0.00200	0.00297	0.00039
	Block 2	0.00032	0.00042	0.00151	(0.00006)	0.00219	0.00000	0.00040	0.00043	0.00000	0.00170	0.00253	0.00034
	Block 3	0.00023	0.00029	0.00107	(0.00004)	0.00155	0.00000	0.00028	0.00030	0.00000	0.00120	0.00178	0.00023
	Block 4	0.00013	0.00017	0.00062	(0.00003)	0.00089	0.00000	0.00017	0.00018	0.00000	0.00070	0.00105	0.00016
	Block 5	0.00008	0.00010	0.00036	(0.00001)	0.00053	0.00000	0.00009	0.00010	0.00000	0.00040	0.00059	0.00006
	Block 6	0.00004	0.00005	0.00018	(0.00001)	0.00026	0.00000	0.00005	0.00005	0.00000	0.00020	0.00030	0.00004
32 Firm Trans	Block 1	0.00030	0.00039	0.00140	(0.00006)	0.00203	0.00000	0.00035	0.00038	0.00000	0.00151	0.00224	0.00021
	Block 2	0.00025	0.00033	0.00119	(0.00005)	0.00172	0.00000	0.00030	0.00032	0.00000	0.00128	0.00190	0.00018
	Block 3	0.00018	0.00023	0.00084	(0.00004)	0.00121	0.00000	0.00021	0.00023	0.00000	0.00090	0.00134	0.00013
	Block 4	0.00010	0.00013	0.00049	(0.00002)	0.00070	0.00000	0.00012	0.00013	0.00000	0.00053	0.00078	0.00008
	Block 5	0.00006	0.00008	0.00028	(0.00001)	0.00041	0.00000	0.00007	0.00008	0.00000	0.00030	0.00045	0.00004
	Block 6	0.00003	0.00004	0.00014	(0.00001)	0.00020	0.00000	0.00004	0.00004	0.00000	0.00015	0.00023	0.00003
32 Interr Sales	Block 1	0.00032	0.00041	0.00148	(0.00006)	0.00215	0.00000	0.00042	0.00044	0.00000	0.00177	0.00263	0.00048
	Block 2	0.00027	0.00035	0.00125	(0.00005)	0.00182	0.00000	0.00035	0.00038	0.00000	0.00150	0.00223	0.00041
	Block 3	0.00019	0.00024	0.00089	(0.00004)	0.00128	0.00000	0.00025	0.00027	0.00000	0.00106	0.00158	0.00030
	Block 4	0.00011	0.00014	0.00052	(0.00002)	0.00075	0.00000	0.00015	0.00016	0.00000	0.00062	0.00093	0.00018
	Block 5	0.00006	0.00008	0.00030	(0.00001)	0.00043	0.00000	0.00008	0.00009	0.00000	0.00035	0.00052	0.00009
	Block 6	0.00003	0.00004	0.00015	(0.00001)	0.00021	0.00000	0.00004	0.00004	0.00000	0.00018	0.00026	0.00005
32 Interr Trans	Block 1	0.00028	0.00036	0.00132	(0.00006)	0.00190	0.00000	0.00035	0.00037	0.00000	0.00148	0.00220	0.00030
	Block 2	0.00024	0.00031	0.00113	(0.00005)	0.00163	0.00000	0.00030	0.00032	0.00000	0.00125	0.00187	0.00024
	Block 3	0.00017	0.00022	0.00079	(0.00003)	0.00115	0.00000	0.00021	0.00022	0.00000	0.00089	0.00132	0.00017
	Block 4	0.00010	0.00013	0.00046	(0.00002)	0.00067	0.00000	0.00012	0.00013	0.00000	0.00052	0.00077	0.00010
	Block 5	0.00006	0.00007	0.00026	(0.00001)	0.00038	0.00000	0.00007	0.00007	0.00000	0.00030	0.00044	0.00006
	Block 6	0.00003	0.00004	0.00013	(0.00001)	0.00019	0.00000	0.00003	0.00004	0.00000	0.00015	0.00022	0.00003
Intentionally blank													
33		0.00002	0.00002	0.00008	0.00000	0.00012	0.00000	0.00002	0.00002	0.00000	0.00009	0.00013	0.00001

Sources:

Direct Inputs	08-09 PGA	08-09 PGA	08-09 PGA	08-09 PGA
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Equal € per therm	Column AB
Equal % of margin	Column O Column R Column U Column X

NW Natural
 Bare Steel, Geohazard and Integrity Management Programs
 Cost of Service Summary - PGA 2009-10
 Thousands of Dollars

	<u>Investment</u>	<u>Tracker Year Cost of Service</u>
Bare Steel Program		
1 Activity Ended September 30, 2002	\$2,665	\$319
2 Activity Ended September 30, 2003	3,510	415
3 Activity Ended September 30, 2004	3,094	377
4 Activity Ended September 30, 2005	6,000	755
5 Activity Ended September 30, 2006	(695)	(89)
6 Activity Ended September 30, 2007	430	57
7 Activity Ended September 30, 2008	3,850	529
8 Activity Ended September 30, 2009	<u>4,002</u>	<u>616</u>
9 Total Bare Steel Program	<u><u>\$22,857</u></u>	<u><u>\$2,978</u></u>
Geohazard Program		
10 Activity Ended September 30, 2002	\$1,714	\$205
11 Activity Ended September 30, 2003	555	66
12 Activity Ended September 30, 2004	139	17
13 Activity Ended September 30, 2005	206	26
14 Activity Ended September 30, 2006	2,863	367
15 Activity Ended September 30, 2007	254	34
16 Activity Ended September 30, 2008 (Oct 07-Dec 07 ONLY)	1,441	198
17 Final true-up of final program activity (through Dec 07 only)	<u>272</u>	<u>42</u>
18 Total Geohazard Program	<u><u>\$7,443</u></u>	<u><u>\$954</u></u>
Integrity Management Program (as of October 2008, "TIMP")		
19 Activity Ended September 30, 2005	\$3,476	\$437
20 Activity Ended September 30, 2006	8,978	1,152
21 Activity Ended September 30, 2007	2,604	346
22 Activity Ended September 30, 2008	9,680	1,331
23 Activity Ended September 30, 2009	<u>3,446</u>	<u>530</u>
24 Total Integrity Management Program	<u><u>\$28,184</u></u>	<u><u>\$3,796</u></u>
Distribution Integrity Management Program ("DIMP")		
25 Activity Ended September 30, 2009	<u>\$0</u>	<u></u>
Total Integrity Management Program	<u><u>\$0</u></u>	<u><u>\$0</u></u>
GRAND TOTAL ALL PROGRAMS	<u><u>\$58,483</u></u>	<u><u>\$7,729</u></u>

Reflects Actuals through June 30, 2009

**NW Natural
 Rates and Regulatory Affairs
 2009-2010 PGA Filing - Oregon: October Filing
 Estimated Revenue Effects for the 12 Months Beginning November 1, 2009**

Line No.	Item	Total Increment Amounts	Limit For Increment Amounts
1	Commodity and Demand Deferrals	(\$33,914,488)	
2	Temporary Increments	<u>388,343</u>	
3	Total	<u><u>(\$33,526,145)</u></u>	
4	2008 Oregon Utility Revenues		\$923,914,000
5	@ 3% threshold		<u>3.0%</u>
6	Threshold for Annual Effect of Proposed Change in Amortization		<u><u>\$27,717,420</u></u>

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