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May 3, 2016

NWN OPUC Advice No. 16-05 / ADV \_\_\_\_\_

**VIA ELECTRONIC FILING**

Public Utility Commission of Oregon  
 Attention: Filing Center  
 201 High Street SE Suite 100  
 Post Office Box 1088  
 Salem, Oregon 97308-1088

Re: **Service to CNG Vehicle Fueling Equipment and Non-AMR Meters**

Northwest Natural Gas Company, dba NW Natural (“NW Natural” or the “Company”), files herewith the following revisions to its Tariff P.U.C. Or. 25 to become effective with service on and after **July 1, 2016**:

PROPOSED REVISION	CANCELS REVISION	TITLE
Second Revision of Sheet RR-18	First Revision of Sheet RR-18	General Rules and Regulations Rule 18 House Piping and Gas Appliance Standards
Third Revision of Sheet C-1.1	Second Revision of Sheet C-1.1	Miscellaneous Charges and Credits (continued)
Third Revision of Sheet C-4	Second Revision of Sheet C-4	Miscellaneous Charges and Credits (continued)
Fifth Revision of Sheet 2-1	Fourth Revision of Sheet 2-1	Schedule 2 Residential Sales Service
Third Revision of Sheet 2-2	Second Revision of Sheet 2-2	Schedule 2 Residential Sales Service (continued)
Third Revision of Sheet 3-2	Second Revision of Sheet 3-2	Schedule 3 Basic Firm Sales Service – Non-Residential (continued)
Second Revision of Sheet 3-3	First Revision of Sheet 3-3	Schedule 3 Basic Firm Sales Service – Non-Residential (continued)
Original Sheet 3-3.1	N/A	Schedule 3 Basic Firm Sales Service – Non-Residential (continued)
Fifth Revision of Sheet 3-4	Fourth Revision of Sheet 3-4	Schedule 3 Basic Firm Sales Service – Non-Residential (continued)
Second Revision of Sheet 31-9	First Revision of Sheet 31-9	Rate Schedule 31 Non-Residential Firm Sales and Firm Transportation Service (continued)
Original Sheet 31-9.1	N/A	Rate Schedule 31 Non-Residential Firm Sales and Firm Transportation Service (continued)
Fifth Revision of Sheet 31-11	Fourth Revision of Sheet 31-11	Rate Schedule 31 Non-Residential Firm Sales and Firm Transportation Service (continued)
Second Revision of Sheet 32-10	First Revision of Sheet 32-10	Rate Schedule 32 Large Volume Non-Residential Sales and Transportation Service (continued)
Original Sheet 32-10.1	N/A	Rate Schedule 32 Large Volume Non-Residential Sales and Transportation Service (continued)

PROPOSED REVISION	CANCELS REVISION	TITLE
Second Revision of Sheet 33-7	First Revision of Sheet 33-7	Rate Schedule 33 High Volume Non-Residential Firm and Interruptible Transportation Service (continued)
Original Sheet 33-7.1	N/A	Rate Schedule 33 High Volume Non-Residential Firm and Interruptible Transportation Service (continued)

The first purpose of this filing is to propose revisions to various sections of the Company's Tariff Schedules listed above to add clarifying language regarding the requirements and conditions for providing service to Compressed Natural Gas ("CNG") vehicle fueling equipment installed for use by residential and non-residential customers. CNG language was added to the tariff effective January 14, 2015 as a result of NWN OPUC Advice 14-21. Since the 2015 changes went into effect, the Company has identified some aspects of CNG service that require further clarification, as well as some aspects where the January 2015 changes are no longer feasible. Specifically:

- Clarification was added to address vehicle fueling equipment compliance with the National Fire Protection Association and permitting of vehicle fueling equipment on Sheet RR-18 of the Company's Tariff.
- Clarification was added regarding the requirement to separately meter vehicle fueling equipment to ensure proper billing and reporting on Sheet C-4, Sheet 2-2, Sheet 3-3, Sheet 31-9, Sheet 32-10, and Sheet 33-7 of the Company's Tariff.
- The Company has learned that there are many different Gasoline Gallon Equivalent (GGE) calculations in use by various taxing authorities. NW Natural is not comfortable selecting one method for purposes of complying with the Tariff. As such, the Company is proposing to modify the language printed on customer bills regarding GGE metering and reporting as described on Sheet 2-2, Sheet 3-3, Sheet 31-9, Sheet 32-10, and Sheet 33-7 of the Company's Tariff.

The second purpose of this filing is to propose revisions to Sheet C-1.1, Sheet C-4, and Sheet 2-2 of the Company's Tariff to add clarifying language regarding seasonal or temporary service for Non-AMR meters. The Tariff currently does not address re-installing a Non-AMR meter if a Customer chooses to close an account with a Non-AMR meter on a seasonal or temporary basis instead of keeping the account open and continuing to pay the minimum bill obligations under the Rate Schedule.

The Company respectfully requests that the tariff sheets filed herein be approved to become effective with service on and after July 1, 2016.

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

The Company waives paper service in this proceeding. Please address correspondence on this matter to me with copies to the following:

eFiling  
NW Natural Rates & Regulatory Affairs  
220 NW Second Avenue  
Portland, Oregon 97209  
Telecopier: (503) 721-2516  
Telephone: (503) 226-4211 x 3589  
[eFiling@nwnatural.com](mailto:eFiling@nwnatural.com)

Sincerely,

*/s/ Gail A. Hammer*

Gail A. Hammer  
NW Natural

Enclosures

# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Second Revision of Sheet RR-18  
Cancels First Revision of Sheet RR-18

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## GENERAL RULES AND REGULATIONS

(continued)

### Rule 18. House Piping and Gas Appliance Standards.

Customer shall have sole responsibility for the cost of installation, use, safety, repair, and maintenance of all House Line and other Customer-owned equipment beyond Company meter(s), including all accessories thereto; and for the cost of installation, use, safety, repair, maintenance and replacement of retrofitted excess flow valves installed on the Service Line at the request of a Customer, where applicable. Any loss or damage from leaks beyond the meter is at the risk and expense of the Customer.

All installations of Gas appliances, including vents and connections, safety devices and other Customer-owned or Customer-installed equipment shall conform to the applicable specifications of regulatory authorities and industry standards, including the Company's Standard Practices. Any Vehicle Fueling Appliance ("VFA") or other CNG vehicle fueling equipment must comply with the National Fire Protection Association NFPA 52, NFPA 54, NFPA 70 and must be permitted and approved by the authorities having jurisdiction before gas service will be connected to such equipment. The Company reserves the right to refuse or disconnect service in the event the Company determines that any applicable standard is not met.

(T)  
(T)

The Company will not connect meters to House Line or appliances known to be defective. When, in the course of normal business activities, the Company finds the House Line or appliances on a Customer's Premise to be defective or in an unsafe condition, the Company may immediately disconnect service under **Rule 11**. The charges set forth in **Schedule C** may apply at the time of reconnection of service following a disconnection under this Rule.

The Company shall not be responsible for any injury to persons or property arising out of, in connection with, or incident to the use, safety, repairs, maintenance or replacement of retrofitted excess flow valves installed on the Service Line at the request of a Customer, or for the use, safety, repairs, maintenance, or replacement of Customer's House Line, appliances or related equipment, whether performed by Customer or any of Customer's employees, contractors, subcontractors, or agents.

(continue to Sheet RR-19)

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# NORTHWEST NATURAL GAS COMPANY

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Third Revision of Sheet C-1.1  
Cancels Second Revision of Sheet C-1.1

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## SCHEDULE C MISCELLANEOUS CHARGES AND CREDITS (continued)

### SUMMARY OF CHARGES and CREDITS (continued):

<b>Priority Installation Schedule (Schedule X)</b>	\$ 200.00	
<b>Service Guarantee credit on Company Provided Utility Pathway for New Construction (Schedule X)</b>	\$100.00	
<b>Wasted Trip charge on Applicant Provided Utility Pathway for New Construction (Schedule X)</b>		
Main Trench (all classes)	\$290.00 each additional trip	
Service Trench (Commercial)	\$290.00 each additional trip	
Service Trench (Residential)	\$155.00 each additional trip	
<b>Optional – Residential Customer Requested Non-AMR Meter</b>		
Installation	\$172.00	(T)
Monthly manual meter read charge	\$ 26.55 per bill	
<b>CNG Metering Charge</b>		
Standard (250 cubic feet/hour meter size)	\$ 6.00 per month	(T)
Non-Standard (meter sizes greater than 250 cubic feet/hour)	Customer-specific	(T)

(continue to Sheet C-2)

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**SCHEDULE C**  
**MISCELLANEOUS CHARGES AND CREDITS**  
(continued)

**DESCRIPTION OF CHARGES and CREDITS (continued):**

**Summary Billing Charge.** This option is not available to Transportation Service Customers or Interruptible Service Customers. The Company will provide Customers, upon request, with a summary billing for two or more accounts. A one-time set up charge, and a monthly service charge will apply.

**Charge for a Priority Installation Schedule (Schedule X).**

The Priority Installation Schedule charge will apply to Residential and Commercial Applicants that request expedited service under **Schedule X**. An expedited request for service means that the installation of Distribution Facilities will be completed within five (5) working days from the date that the application for service is approved by the Company.

The priority installation option is available between September 1 and January 31, except that the Company may refuse to accommodate a priority installation if doing so would adversely affect the quality or timing of installations of other Applicants or Customers. The Priority Installation Schedule charge must be paid prior to the installation of Distribution Facilities. The charge will be refunded if the Company fails to meet the priority installation date.

**Service Guarantee Credit for Company Provided Utility Pathway for New Construction (Schedule X).** The Service Guarantee Credit will apply when the Company agrees to provide the utility pathway for a project and the Company does not meet the scheduled construction date.

**Wasted Trip Charge on Applicant Provided Utility Pathway for New Construction (Schedule X).** The wasted trip charge will apply when the Company goes to the site of a new construction project following notice by Applicant that the site is ready, and the site is not ready when the Company arrives, thereby requiring the Company to schedule a return trip.

**Optional – Residential Customer Requested Non-AMR Meter**

A Residential Customer in a single-family dwelling may request that the Company install a non-AMR Meter at that Customer's premise, as set forth in **General Rule 17** of this Tariff. The installation charge will be billed to the Customer on the first monthly bill following the date of installation, and is due and payable on the date stated on such bill. In addition, commencing with the first bill following the date of installation, Customer will be billed the monthly manual meter read charge. This charge shall continue to be billed monthly until the earlier of the Customer's request to remove the Non-AMR meter or the date that the Customer voluntarily closes the account.

(T)

**CNG Metering Charge**

The CNG metering charge will apply when a Customer requests service to a Vehicle Fueling Appliance (VFA) or other CNG vehicle refueling equipment and the Company determines that service can be provided from the existing Gas Service Line with a second meter to measure vehicle refueling usage and upon Customer request, the Company has determined that usage for both meters can be separately stated and billed on the same monthly bill. If the added load to be measured by the second meter requires a non-standard meter size (greater than a 250 Cubic Feet/hour meter), the meter charge will be calculated using a traditional utility cost-of-service calculation using the actual cost of the meter set design and installation and a 50 year life of the meter.

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(C)

(T)

**GENERAL TERMS:**

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

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# NORTHWEST NATURAL GAS COMPANY

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Fifth Revision of Sheet 2-1  
Cancels Fourth Revision of Sheet 2-1

## RATE SCHEDULE 2 RESIDENTIAL SALES SERVICE

### AVAILABLE:

To Residential Class Customers in all territory served by the Company under the Tariff of which this Rate Schedule is a part. Temporary Disconnection of Service is allowed subject to Special Provision 1 of this Rate Schedule. The installation of Distribution Facilities, when required before service can be provided to equipment served under this Rate Schedule, is subject to the provisions of **Schedule X**.

### SERVICE DESCRIPTION:

Service under this Rate Schedule is Firm Sales Service to gas equipment used for Domestic purposes by qualifying Residential Class Customers. (T)

Service to a Vehicle Fueling Appliance is subject to the conditions set forth in Special Provisions 3 through 6 of this Rate Schedule. (T)

**MONTHLY RATE:** Effective: November 1, 2015

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 service to a Vehicle Fueling Appliance shall be further adjusted as set forth in Special Provision 6 of this Rate Schedule. (T)

	Base Rate	Base Adjustment [1]	Pipeline Capacity	Commodity	Temporary Adjustment	Total Billing
Customer Charge:	\$8.00	---	---	---	---	<b>\$8.00</b>
Volumetric Charge (per therm):	\$0.42890	\$0.01580	\$0.11849	\$0.33602	\$0.03592	<b>\$0.93513</b>

[1] Includes effects of Schedule 177, Schedule 182, and Schedule 187.

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

(continue to Sheet 2-2)

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**RATE SCHEDULE 2  
RESIDENTIAL SALES SERVICE**  
(continued)

**SPECIAL PROVISIONS:**

- 1. A Customer that elects to discontinue the use of any gas appliances served under this Rate Schedule on a seasonal or temporary basis will continue to be responsible to meet the minimum bill obligations under the Rate Schedule as long as the account status remains open. Any Customer that does not want to pay such charges may close the account. (T)
  
- A Customer that has closed an account on a seasonal or temporary basis and subsequently requests that the account be re-opened shall pay reconnection charges and other applicable charges as set forth in **SCHEDULE C** at the time Customer requests that the account be re-opened. (T)
  
- 2. Customers may be required to pay the Company, in advance, for costs related to the Company's installation of any Distribution Facilities necessary to provide service to Customers under this Rate Schedule. See **Rule 20** and **Schedule X** of the Tariff of which this Rate Schedule is a part.
  
- 3. A Customer that has installed a Vehicle Fueling Appliance to compress natural gas for use in such Customer's personal motor vehicle or motorboat is solely responsible for compliance with the laws related to the use of CNG in a motor vehicle, including but not limited to payment of any Fuel Use Taxes associated with or related to the use of CNG under this Rate Schedule.
  
- 4. When a consumer requests natural gas service to any Vehicle Fueling Appliance ("VFA"), the VFA will be separately metered by a meter solely dedicated to the VFA and will be treated as a separate account for billing purposes. Should a Customer connect a Vehicle Fueling Appliance and other gas equipment to the same meter without the Company's prior knowledge, the Company will not be responsible for any equipment or other operational problems that may arise from such Customer action. When the Company becomes aware of the combined metering situation, the Company will recommend that a separate meter be installed to the Vehicle Fueling Appliance. The account will be noted as serving a Vehicle Fueling Appliance and the conditions of Special Provision 5 will apply. The Customer will be responsible for the identification of any Vehicle Fueling Appliance usage for any tax or other reporting purposes. The Company will make the final determination if installation of a separate meter is required as the result of a safety issue or a requirement such as updates to conditions set forth in **Rule 18** or reporting required of the Company. (C)  
(C)  
(C)  
(N)  
  
(N)
  
- 5. The Company is not responsible to calculate or report a Customer's Fuel Use Tax obligation. A bill message will be printed on each monthly gas bill where Vehicle Fueling Appliance usage is billed that will: (a) inform the Customer that a Fuel Use Tax obligation may apply, and (b) inform the Customer about where they may find additional information about how to calculate any Fuel Use Tax obligation. (C)  
  
(C)
  
- 6. The monthly volumetric charge (per therm) for purposes of billing Vehicle Fueling Appliance usage will exclude Schedule 195 – Weather Adjusted Rate Mechanism (WARM). (T)
  
- 7. The Company may refuse service to any gas appliance that does not meet the conditions set forth in **Rule 18**.

**GENERAL TERMS:**

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

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

**SERVICE DESCRIPTION:**

Service under this Rate Schedule is Firm Sales Service to approved gas equipment. A Customer with gas equipment installed for Standby Service shall be subject to a minimum monthly bill obligation equal to the Standby Charge set forth in this Rate Schedule on all Therms of Maximum Hourly Delivery Volume (MHDV) of that equipment. Service to CNG vehicle fueling equipment is subject to the conditions set forth in Special Provisions 4 through 7 of this Rate Schedule.

(T)  
  
(T)

**RATE SCHEDULE TRANSFERS:**

A transfer between Rate Schedules will be allowed upon one Billing Month advance written notice to the Company in accordance with **Rule 5** of this Tariff. Only one Rate Schedule transfer is allowed in any consecutive 12-month period. Any requests to also change the Service Type Selection with a Rate Schedule transfer must comply with the Provisions of "OUT-OF-CYCLE TRANSFERS FOR CERTAIN SERVICE TYPES" as set forth in the requested Rate Schedule. Customer eligibility for a Rate Schedule transfer is as follows:

New Customer. To be considered a new Customer under this provision, the gas service account in the name of such Customer must have been activated at the service address within the most recent twelve (12) calendar months.

Existing Customer. To be considered an existing Customer under this provision, the gas service account in the name of such Customer must have been active and uninterrupted at the service address and served under this Rate Schedule for a minimum of 12 consecutive months prior to the requested effective date of the transfer.

Company Required Rate Schedule Transfer. A Customer that was reassigned by the Company to this Rate Schedule for reasons related to the installation of an AAMR device will be allowed to transfer back to the Rate Schedule from which they were transferred if within three (3) Billing Months of the effective date of the transfer, Customer can show to the Company's satisfaction that the Customer has met the requirements for qualifications of that Rate Schedule. Unless otherwise agreed between the Customer and the Company, if no such showing is made, the Customer must fulfill twelve (12) months of continuous service under this Rate Schedule to qualify to transfer as an existing Customer. See also Special Provision 3 of this Rate Schedule. A Company required transfer due to a Customer's failure to comply with a Curtailment Order is subject to the provisions set forth in **Rule 13** of this Tariff.

**SPECIAL PROVISIONS:**

1. Company Approval of Service. The Company's approval for service under this Rate Schedule will be based upon the Company's determination, in its sole judgment, that: (a) adequate supply and capacity is available to accommodate service to the Customer, and (b) Customer has satisfactorily established or has satisfactorily re-established credit under the terms and conditions of **Rule 2** of this Tariff. For purposes of this Special Provision 1, any change in a Customer's Rate Schedule or Service Type will be deemed a change in condition of service.
2. Temporary Disconnection of Service. A Customer that elects to discontinue the use of any gas appliances served under this Rate Schedule on a seasonal or temporary basis will continue to be responsible to meet the minimum bill obligations under the Rate Schedule as long as the account status remains open. Any Customer that does not want to pay such charges may close the account. A Customer that closes an account on a seasonal or temporary basis and subsequently requests that the account be re-opened, shall pay restoration charges as set forth in **Schedule C** at the time Customer requests that the account be re-opened.

(T)

(continue to Sheet 3-3)

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# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

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

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

### SPECIAL PROVISIONS (continued):

3. Out-of-Cycle Transfer Requests from an Existing Customers. An Out-of-Cycle Transfer is a change in Rate Schedule that is effective prior to November 1 of the current PGA Year. Any request to transfer to this **Rate Schedule 3** from **Rate Schedule 31**, **Rate Schedule 32** or **Rate Schedule 33** or to transfer from this Rate Schedule to **Rate Schedule 31**, **Rate Schedule 32**, or **Rate Schedule 33**, must be made in writing on the Company's Service Election Form. The terms and conditions for submission of a Service Election Form and for a transfer to one of the other available Rate Schedules **are as set forth in the respective Rate Schedule.**

A Customer that transfers to this Rate Schedule from Sales Service on another Rate Schedule will be billed at Annual Sales WACOG for the Commodity Component.

A Customer that transfers to this Rate Schedule from Transportation Service will be billed according to the price set forth in **Schedule 150** "Monthly Incremental Cost of Gas" for the remainder of the current PGA Year.

4. A Customer that has installed CNG vehicle fueling equipment to compress natural gas for use in a motor vehicle or motorboat is solely responsible for compliance with the laws related to the use of CNG in a motor vehicle, including but not limited to payment of any Fuel Use Taxes associated with or related to the use of CNG under this Rate Schedule.

5. When a Customer requests natural gas service to CNG vehicle fueling equipment, the equipment will be separately metered by a meter solely dedicated to the CNG vehicle fueling equipment and will be treated as a separate account for billing purposes. Should a Customer connect CNG vehicle fueling equipment and other gas equipment to the same meter without the Company's prior knowledge, the Company will not be responsible for any equipment or other operational problems that may arise from such Customer action. When the company becomes aware of the combined metering situation, the Company will recommend that a separate meter be installed to the CNG vehicle fueling equipment. The account will be noted as serving CNG vehicle fueling equipment and the conditions of Special Provision 6 will apply. The Customer will be responsible for the identification of any CNG vehicle fueling equipment usage for any tax or other reporting purposes. The Company will make the final determination if installation of a separate meter is required as the result of a safety issue or a requirement such as updates to conditions set forth in **Rule 18** or reporting required of the Company.

(C)  
(C)  
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(N)  
|  
(N)

6. The Company is not responsible to calculate or report a Customer's Fuel Use Tax obligation. A bill message will be printed on each monthly gas bill where CNG vehicle fueling equipment usage is billed that will: (a) inform the Customer that a Fuel Use Tax obligation may apply, and (b) inform the Customer about where they may find additional information about how to calculate any Fuel Use Tax obligation.

(C)  
|  
(C)

7. The monthly volumetric charge (per therm) for purposes of billing CNG vehicle fueling equipment usage for Commercial Class Customers (03CSF), will exclude Schedule 195 – Weather Adjusted Rate Mechanism (WARM).

(T)  
(K)

(continue to Sheet 3-3.1)

(K) Material transferred to Original Sheet 3-3.1.

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# NORTHWEST NATURAL GAS COMPANY

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Original Sheet 3-3.1

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

8. The Company may refuse service to any gas appliance or gas equipment that does not meet the conditions set forth in **Rule 18**.

(M)

### **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.

(M)

(continue to Sheet 3-4)

(M) Material transferred from First Revised Sheet 3-3.

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# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Fifth Revision of Sheet 3-4  
Cancels Fourth Revision of Sheet 3-4

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

**MONTHLY RATE:** Effective: November 1, 2015

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 service to CNG vehicle fueling equipment shall be further adjusted as set forth in Special Provision 7 of this Rate Schedule.

(T)

FIRM SALES SERVICE CHARGES: (03CSF and 03ISF)						Billing Rates [1]
Customer Charge (per month):						\$15.00
Volumetric Charges (per therm):	Base Rate	Base Adjustment [2]	Pipeline Capacity	Commodity Component [3]	Temporary Adjustment	
<b>Commercial</b>	\$0.34211	\$0.01231	\$0.11849	\$0.33602	\$0.07100	<b>\$0.87993</b>
<b>Industrial</b>	\$0.33596	\$0.00716	\$0.11849	\$0.33602	\$0.03309	<b>\$0.83072</b>
Standby Charge (per therm of MHDV) [4]:						<b>\$10.00</b>

[1] **Schedule C** and **Schedule 15** Charges shall apply, if applicable.

[2] Includes effects of Schedule 177, Schedule 182, and Schedule 187

[3] The Commodity Component shown is the Annual Sales WACOG. The actual Commodity Component billed could be different for certain customers as described in the special provisions of this Rate Schedule

[4] Applies to Standby Sales Service only.

**Minimum Monthly Bill.** The Minimum Monthly Bill shall be the Customer Charge plus any **Schedule C** and **Schedule 15** Charges.

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

**DESCRIPTION OF SERVICE TYPES AND REQUIREMENTS FOR SERVICE (continued):**  
**Combination Service Types:**

A Combination of Firm Sales Service with Firm Transportation Service. This Service Type requires the installation of an AMR device with no additional charge to the Customer. A Customer that selects this Service Type must specify the exact daily delivery volume that is to be billed as Firm Sales Service. The Firm Pipeline Capacity Charge – Peak Demand Option (per therm of MDDV) for payment of Pipeline Capacity Charges will apply for all Firm Sales Service volume. The Firm Sales Service volume will be billed at the rates specified for Firm Sales Service, and will always be billed first. When all Firm Sales Service volume has billed, all additional volumes will be billed at the rates specified for Firm Transportation Service, except that the Company will bill only one Customer Charge for this Service Type.

Customer must secure the purchase and delivery of gas supplies from an Authorized Supplier/Agent of Customer's choosing for all Firm Transportation Service volumes. The Transportation of Customer-Owned Gas is governed by the Terms and Conditions set forth in Schedule T of this Tariff, and the Company's Gas Transportation Operating Policies and Procedures.

**SPECIAL CONDITIONS FOR COMPRESSED NATURAL GAS ("CNG") SERVICE FOR VEHICULAR USE:**

1. A Customer that has CNG vehicle fueling equipment installed to compress natural gas for use in a motor vehicle or motorboat is solely responsible for compliance with the laws related to the use of CNG in a motor vehicle or motorboat, including but not limited to payment of any Fuel Use Taxes associated with or related to the use of CNG under this Rate Schedule.
2. When a Customer requests natural gas service to CNG vehicle fueling equipment, the equipment will be separately metered by a meter solely dedicated to the CNG vehicle fueling equipment. If service can be provided from the existing gas line with a second meter set then the Gas metered for vehicle use will be separately stated on the Customer's regular monthly gas bill. A monthly charge as set forth in Schedule C will be assessed for the second meter. Should a Customer connect CNG vehicle fueling equipment and other gas equipment to the same meter without the Company's prior knowledge, the Company will not be responsible for any equipment or other operational problems that may arise from such Customer action. When the Company becomes aware of the combined metering situation, the Company will recommend that a separate meter be installed to the CNG vehicle fueling equipment. The account will be noted as serving CNG vehicle fueling equipment and the conditions of Special Provision 3 will apply. The Customer will be responsible for the identification of any CNG vehicle fueling equipment usage for any tax or other reporting purposes. The Company will make the final determination if installation of a separate meter is required as the result of a safety issue or a requirement such as updates to conditions set forth in **Rule 18** or reporting required of the Company.
3. The Company is not responsible to calculate or report a Customer's Fuel Use Tax obligation. A bill message will be printed on each monthly gas bill where CNG vehicle fueling equipment usage is billed that will: (a) inform the Customer that a Fuel Use Tax obligation may apply, and (b) inform the Customer about where they may find additional information about how to calculate any Fuel Use Tax obligation.

(T)  
(T)  
(N)  
(N)  
(C)  
(C)  
(K)

(continue to Sheet 31-9.1)

(K) Material transferred to Original Sheet 31-9.1

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

4. The Company may refuse service to any CNG vehicle fueling equipment that does not meet the conditions set forth in **Rule 18** of the Tariff of which this Rate Schedule is a part.

(M)

**DETERMINATION OF MDDV:**

The MDDV is used to calculate the Firm Pipeline Capacity Charge – Peak Demand option applicable to Firm Sales Service under this Rate Schedule. Following establishment of a Customer’s Initial MDDV, as set forth in Sections A and B, the Customer’s MDDV will be adjusted each year as set forth in Section C below:

- A. For a new Customer, the Initial MDDV to be used for billing purposes will equal the "name plate" hourly rating of the equipment to be served, times twelve (12), or an estimated volume acceptable to the Company that is based upon the best information about Customer’s planned operations that is known at that time.

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(continue to Sheet 31-10)

(M) Material transferred from First Revised Sheet 31-9.

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# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Fifth Revision of Sheet 31-11  
Cancels Fourth Revision of Sheet 31-11

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

**MONTHLY RATES FOR COMMERCIAL CUSTOMER CLASS:**

**Effective: November 1, 2015**

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 service to CNG vehicle fueling equipment shall be further adjusted as set forth in Provision No. 2 of the "SPECIAL CONDITIONS FOR COMPRESSED NATURAL GAS ("CNG") SERVICE FOR VEHICULAR USE" of this Rate Schedule.

(T)

<b>FIRM SALES SERVICE CHARGES (31 CSF) [1]:</b>					Billing Rates
Customer Charge (per month):					<b>\$325.00</b>
	Base Rate	Base Rate Adjustment [2]	Commodity Component [3]	Total Temporary Adjustments [4]	
Volumetric Charges (per therm)					
Block 1: 1st 2,000 therms	\$0.20403	\$0.00983	\$0.33602	\$0.06829	<b>\$0.61817</b>
Block 2: All additional therms	\$0.18615	\$0.00931	\$0.33602	\$0.06757	<b>\$0.59905</b>
<b>Pipeline Capacity Charge Options (select one):</b>					
Firm Pipeline Capacity Charge - Volumetric option (per therm):					<b>\$0.11849</b>
Firm Pipeline Capacity Charge - Peak Demand option (per therm of MDDV):					<b>\$1.76</b>
<b>FIRM TRANSPORTATION SERVICE CHARGES (31 CTF):</b>					
Customer Charge (per month):					<b>\$325.00</b>
Transportation Charge (per month):					<b>\$250.00</b>
	Base Rate	Base Rate Adjustment [2]		Total Temporary Adjustments [5]	
Volumetric Charges (per therm)					
Block 1: 1st 2,000 therms	\$0.17007	\$0.01115		\$0.00996	<b>\$0.19118</b>
Block 2: All additional therms	\$0.15518	\$0.01052		\$0.00910	<b>\$0.17480</b>

- [1] The Monthly Bill shall equal the sum of the Customer Charge, plus the Volumetric Charges, plus the Pipeline Capacity Charge selected by the Customer, plus any other charges that may apply from Schedule C or Schedule 15.
- [2] Includes effects of Schedule 177, Schedule 182, and Schedule 187.
- [3] 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.
- [4] 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.
- [5] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Sales Service Temporary Adjustments as set forth in Schedule 162 may also apply.

(continue to Sheet 31-12)

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# NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Second Revision of Sheet 32-10  
Cancels First Revision of Sheet 32-10

## RATE SCHEDULE 32

### LARGE VOLUME NON-RESIDENTIAL SALES AND TRANSPORTATION SERVICE

(continued)

#### DESCRIPTION OF SERVICE TYPES AND REQUIREMENTS FOR SERVICE (continued):

Combination of Interruptible Sales Service Type with Interruptible Transportation Service Type.  
(continued)

Customer must secure the purchase and delivery of gas supplies from an Authorized Supplier/Agent of Customer's choosing for all Interruptible Transportation Service volumes. The Transportation of Customer-Owned Gas is governed by the Terms and Conditions set forth in Schedule T of this Tariff, and the Company's Gas Transportation Operating Policies and Procedures.

Combination of Firm Transportation Service Type with Interruptible Transportation Service Type. A Customer that selects this Service Type must specify the exact daily delivery volume that is to be billed as Firm Transportation Service. Firm Transportation Service volume will always be billed first. When all Firm Transportation Service volume has billed, all additional volumes will be billed at the rates specified for Interruptible Transportation Service, except that the Company will bill only one Customer Charge for this service type. All Interruptible Transportation Service volumes will be subject to Curtailment as set forth in General Rule 13 and General Rule 14 of this Tariff.

#### SPECIAL CONDITIONS FOR COMPRESSED NATURAL GAS ("CNG") SERVICE FOR VEHICULAR USE:

1. A Customer that has CNG fueling equipment installed to compress natural gas for use in a motor vehicle or motorboat is solely responsible for compliance with the laws related to the use of CNG in a motor vehicle or motorboat, including but not limited to payment of any Fuel Use Taxes associated with or related to the use of CNG under this Rate Schedule.
2. When a Customer requests natural gas service to CNG vehicle fueling equipment, the equipment will be separately metered by a meter solely dedicated to the CNG vehicle fueling equipment. If service can be provided from the existing gas line with a second meter set then the Gas metered for vehicle use will be separately stated on the Customer's regular monthly gas bill. A monthly charge as set forth in Schedule C will be assessed for the second meter. Should a Customer connect CNG vehicle fueling equipment and other gas equipment to the same meter without the Company's prior knowledge, the Company will not be responsible for any equipment or other operational problems that may arise from such Customer action. When the Company becomes aware of the combined metering situation, the Company will recommend that a separate meter be installed to the CNG vehicle fueling equipment. The account will be noted as serving CNG vehicle fueling equipment and the conditions of Special Provision 3 will apply. The Customer will be responsible for the identification of any CNG vehicle fueling equipment usage for any tax or other reporting purposes. The Company will make the final determination if installation of a separate meter is required as the result of a safety issue or a requirement such as updates to conditions set forth in **Rule 18** or reporting required of the Company.
3. The Company is not responsible to calculate or report a Customer's Fuel Use Tax obligation. A bill message will be printed on each monthly gas bill where CNG vehicle fueling equipment usage is billed that will: (a) inform the Customer that a Fuel Use Tax obligation may apply, and (b) inform the Customer about where they may find additional information about how to calculate any Fuel Use Tax obligation.

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(continue to Sheet 32-10.1)

(K) Material transferred to Original Sheet 32-10.1

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

4. The Company may refuse service to any CNG fueling equipment that does not meet the conditions set forth in **Rule 18** of the Tariff of which this Rate Schedule is a part.

**DETERMINATION OF MDDV:**

The MDDV is used to calculate the Firm Pipeline Capacity Charge – Peak Demand option applicable to Firm Sales Service under this Rate Schedule. Following establishment of a Customer's Initial MDDV, as set forth in Sections A and B, the Customer's MDDV will be adjusted each as set forth in Section C below:

- A. For a New Customer, the Initial MDDV to be used for billing purposes will equal the "name plate" hourly rating of the equipment to be served, times twelve (12), or an estimated volume acceptable to the Company that is based upon the best information about Customer's planned operations that is known at that time.

(continue to Sheet 32-11)

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(M) Material transferred from First Revised Sheet 32-10.

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

(continued)

**APPLICATION OF TEMPORARY ADJUSTMENTS TO RATES (ACCOUNT 191 ADJUSTMENTS):**

Account 191 Adjustments are the portion of the Temporary Adjustment in rates that relates to the deferral of commodity and pipeline capacity charges, specifically, the Account 191 Commodity Adjustment and Account 191 Pipeline Capacity Adjustment, as set forth in **Schedule 162**.

Within a PGA Year, a Customer is subject to the Account 191 portion of the Temporary Adjustment if:

- (1) The Customer is on Sales Service in the current PGA Year and was on Sales Service in the prior PGA Year; or
- (2) The Customer is on Transportation Service in the current PGA Year and was on Sales Service in the prior PGA Year.

**SPECIAL CONDITIONS FOR COMPRESSED NATURAL GAS (“CNG”) SERVICE FOR VEHICULAR USE:**

- 1. A Customer that has CNG fueling equipment installed to compress natural gas for use in a motor vehicle or motorboat is solely responsible for compliance with the laws related to the use of CNG in a motor vehicle or motorboat, including but not limited to payment of any Fuel Use Taxes associated with or related to the use of CNG under this Rate Schedule.
- 2. When a Customer requests natural gas service to CNG vehicle fueling equipment, the equipment will be separately metered by a meter solely dedicated to the CNG vehicle fueling equipment. If service can be provided from the existing gas line with a second meter set then the Gas metered for vehicle use will be separately stated on the Customer’s regular monthly gas bill. A monthly charge as set forth in Schedule C will be assessed for the second meter. Should a Customer connect CNG vehicle fueling equipment and other gas equipment to the same meter without the Company’s prior knowledge, the Company will not be responsible for any equipment or other operational problems that may arise from such Customer action. When the Company becomes aware of the combined metering situation, the Company will recommend that a separate meter be installed to the CNG vehicle fueling equipment. The account will be noted as serving CNG vehicle fueling equipment and the conditions of Special Provision 3 will apply. The Customer will be responsible for the identification of any CNG vehicle fueling equipment usage for any tax or other reporting purposes. The Company will make the final determination if installation of a separate meter is required as the result of a safety issue or a requirement such as updates to conditions set forth in **Rule 18** or reporting required of the Company.
- 3. The Company is not responsible to calculate or report a Customer’s Fuel Use Tax obligation. A bill message will be printed on each monthly gas bill where CNG vehicle fueling equipment usage is billed that will: (a) inform the Customer that a Fuel Use Tax obligation may apply, and (b) inform the Customer about where they may find additional information about how to calculate any Fuel Use Tax obligation.

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(continue to Sheet 33-7.1)

(K) Material transferred to Original Sheet 33-7.1.

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

4. The Company may refuse service to any CNG fueling equipment that does not meet the conditions set forth in **Rule 18** of the Tariff of which this Rate Schedule is a part.

(M)

**GENERAL TERMS:**

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

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(continue to Sheet 33-8)

(M) Material transferred from First Revised Sheet 33-7.

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