

NORTHWEST NATURAL GAS COMPANY

WN U-6

Third Revision of Sheet 10.1

Cancels Second Revision of Sheet 10.1

GENERAL RULES AND REGULATIONS

(continued)

Rule 10. Gas Delivery and Measurement.

The Company shall be obligated to provide service under the Rate Schedules contained in this Tariff provided that, in the Company's sole judgment, adequate gas volumes for such service are available, and provided that adequate capacity exists in the Company's distribution system to accommodate such service.

The delivery of Natural Gas under this Tariff, contemplates service to a single consumer unit, on a single Premise, through one delivery and metering point; and customer's piping must all be brought to this point. The installation and use of sub-meters beyond the Delivery Point will not modify the Custody Transfer Point between the Company and Customer, and will not modify the respective liabilities in connection with custody transfer at the Delivery Point.

For the purpose of measuring the amount of gas supplied to and used by a Customer, the Company will select the meter or meter configuration that best fits the Customer's load and service requirements. All standard meter installations will be equipped with an Automated Meter Reading ("AMR") device appropriate for the type of service provided at a Customer's premise. The Company will install the meter(s) at the Customer's premises, at a point to be determined by and most convenient for the Company. Such meter or meters so installed shall be the sole medium of measurement of all gas supplied to Customer. The meter(s) supplied by the Company shall at all times remain the property of the Company.

The Company will accommodate a request from a Residential Customer in a single-family dwelling to install at such dwelling a non-AMR meter that does not transmit data by radio frequency (RF). The charges set forth in **Schedule C** shall apply for the installation, removal (when applicable) and monthly charges associated with reading the non-AMR meter. Failure to pay the applicable **Schedule C** charges is cause for disconnection under **General Rule 5** of this Tariff. The option for a non-AMR meter is not available to a Residential Customer in a multi-family dwelling of three or more units or to Non-Residential Customers

The Company may require, at Customer's expense, that Customer provide active and continuous electric power per company specifications to the meter(s) to be used for billing purposes. The Company may install telemetry equipment at a Customer's Premise when the Company determines that a Customer's load consumption characteristics are such that monitoring is necessary to maintain stability in the distribution system. Installation of telemetry equipment may be required prior to receiving gas service.

(T)
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(T)
(C)

Customer shall protect the meter(s) supplied by the Company from damage or theft. Interference by anyone, except employees of the Company, with the meter or its connections, services, mains or other property of the Company, shall be unlawful.

In the event any meter fails to register the actual amount of gas supplied to a Customer, a bill will be rendered based on an estimation as set forth in General Rule 4 of this Tariff. Customer's account will be adjusted to reflect actual consumption data as soon as the information is available. If actual information cannot be obtained, then the estimated bill shall be deemed and considered a stated account.

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NORTHWEST NATURAL GAS COMPANY

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Fourth Revision of Sheet 110.1

Cancels Third Revision of Sheet 110.1

**RATE SCHEDULE 10
CHARGES FOR SPECIAL METERING EQUIPMENT, RENTAL METERS
AND METERING SERVICES**

AVAILABLE:

In all territory served by the Company under the Tariff of which this Rate Schedule is a part.

TERM OF SERVICE:

The Term of Service for monthly meter rentals and metering services provided under this Schedule is one (1) Year. At the end of a full Term of Service, service under this Rate Schedule will continue on a billing month basis until terminated by either the Customer or the Company upon one (1) billing month advance notice.

MONTHLY METER RENTAL RATES AND SPECIAL METERING EQUIPMENT (OPTIONAL):

(D)

Any Customer may rent supplementary displacement type meters from the Company at the following rates.

Diaphragm Meters

Meter Size (Cubic Feet/hour)	Monthly Charge	
250	\$2.35	(I)
630	\$6.71	
1000	\$11.51	(I)

No new service after April 27, 2018. These charges are for service agreements initiated prior to April 27, 2018.

425	\$0.86	(I)
750	\$1.40	
800	\$1.48	
1400	\$2.93	
2500	\$5.58	(I)

Rotary Meters

Meter Size	Meter Capacity (Cubic Feet/hour)	Monthly Charge	
1.5M175/15C175	1500	\$30.90	(I)
3M175	3000	\$33.35	
5M175	5000	\$37.53	
7M175	7000	\$38.56	
11M175	11000	\$59.74	
16M175	16000	\$77.42	
23M175	23000	\$215.10	
38M175	38000	\$284.89	(I)

No new service after April 27, 2018. These charges are for service agreements initiated prior to April 27, 2018.

(N)

8C175	800	\$ 13.00
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NORTHWEST NATURAL GAS COMPANY

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RATE SCHEDULE 10
CHARGES FOR SPECIAL METERING EQUIPMENT, RENTAL METERS AND
METERING SERVICES
 (continued)

Metering Services and Charges	One Time Charge	Installation Charge	Monthly Charge	
Rental Read	---	---	\$0.36	
Advanced Automated Meter Reading (AAMR) Device ¹	---	\$1,270.53	\$52.53	(I)
Remote Index	---	\$50.00	\$4.00	
Pulse Output	---	\$100.00	\$8.00	
Administrative Set-Up/Consultation Fee (all meters)	\$100.00	---	---	
Technical Assistance (Rotary meters only)	\$100.00	---	---	(D)

¹ Site specific engineering design costs for AAMR will be added to the installation charge if needed. (N)

SPECIAL PROVISIONS FOR RENTAL METERS AND SPECIAL METERING EQUIPMENT:

1. Prior to receiving service under this section of the Schedule, the Customer must sign a service agreement that requires a minimum 12-month term. Customers who terminate service after less than 12 months will be required to pay all charges otherwise due to fulfill the 12-month obligation under the service agreement.
2. Service under this section of this Schedule is voluntary and separate from billing for or delivery of natural gas to a Customer's premise.
3. Since the Company does not maintain an inventory of all meter types offered under this Schedule, a delay may occur from the time a Customer requests service under this Schedule until the Company can provide it.
4. The Customer will be responsible for the meter pick-up and return of diaphragm meters.
5. The Customer will incur the Administrative Set-Up/Consultation Fee for each rental meter.
6. Upon delivery of a rotary meter, the Customer will incur the Technical Assistance charge listed above for each rental rotary meter. A Customer may not waive this provision or the associated fee. Technical assistance helps the Company ensure proper handling of rotary meters.
7. The Company will install AAMR devices for the charge listed above. AAMR devices will only be installed on Company owned meters and the Company will require that the Customer provide active and continuous electric power per company specifications to enable meter communications. (T)
(C)
(D)
8. Upon request, the Company will provide one differential test per calendar year on rotary meters. The testing will be scheduled at the Company's convenience.
9. The Customer is responsible to protect all rental equipment from damage including but not limited to installing parking bollards to protect the rental equipment from vehicular or other damage.

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Third Revision of Sheet 141.6

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RATE SCHEDULE 41
NON-RESIDENTIAL SALES AND TRANSPORTATION SERVICE
(continued)

DESCRIPTION OF SERVICE TYPES AND REQUIREMENTS FOR SERVICE:

A Customer must make one Service Type Selection per billing meter from the list of five (5) available Service Types. The Service Types and the respective requirements of each Service Type are described below and elsewhere in this Rate Schedule, including, without limitation, Pre-Requisites To Service:

Sales Service Types:

Firm Sales Service. Firm Sales Service at Annual Sales WACOG does not require the installation of an AAMR device. However, the Company will install an AAMR device upon Customer request. The Company will bill the Customer and the Customer will pay the installation charge and the ongoing monthly charges set forth in Schedule 10. (T)

Firm Sales Service at Winter Sales WACOG or Monthly Incremental Cost of Gas does require the installation of an AAMR device. The Customer must have active electric power per company specifications to the meter 45 days in advance of the requested effective date of service. Failure to meet this requirement may result in the Company's denial of service under this Service Type. (T)
(C)

A Customer that selects this Service Type must choose which of two Pipeline Capacity Charge options to pay. The first rate choice is volumetric (Firm Pipeline Capacity Charge – Volumetric option). For the volumetric choice, the rate stated for the Firm Pipeline Capacity Charge – Volumetric option in the Monthly Rates provision of this Rate Schedule 41 is multiplied by all therms used by Customer each Billing Month. The second rate choice is based on the Customer's Maximum Daily Delivery Volume (MDDV) (Firm Pipeline Capacity Charge - Peak Demand option). For the MDDV choice, each therm of Customer's MDDV is multiplied by the Firm Pipeline Capacity Charge- Peak Demand option each Billing Month. The provisions for determination of a Customer's MDDV are under "DETERMINATION OF MDDV" in this Rate Schedule.

Interruptible Sales Service. This Service Type requires the installation of an AAMR device with no additional charge to the Customer. Interruptible Sales Service Customers are subject to Curtailment of Service, as set forth in General Rule 15 and General Rule 16 of this Tariff, and as such pay a lower Pipeline Capacity Charge than do Firm Sales Service Customers. (T)

Transportation Service Type:

Firm Transportation Service. This Service Type requires the installation of an AAMR device with no additional charge to the Customer. A Customer that selects this Service Type must secure the purchase and delivery of gas supplies from an Authorized Supplier/Agent of Customer's choosing. The Transportation of Customer-Owned Gas supplies 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. (T)

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RATE SCHEDULE 42

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

DETERMINATION OF MDDV (continued):

- (i) For each month of the Peak Period, the MDDV for billing purposes will equal the higher of (a) the Customer's current MDDV or (b) the Customer's actual MDDV of record for that Billing Month, as determined from AAMR data, or from the calculated method described in (B)(ii) above, whichever applies. AAMR data will always be used where an AAMR device is installed and operational. (T)
- (ii) Effective with the first Billing Month following the end of the Peak Period, the MDDV to be used for billing purposes in each month of the following non-Peak Period (March through October) will be the highest MDDV of record during the last Peak Period. (T)

Peak Period is defined as (a) the most recent consecutive Billing Months November through February for customers billed at month-end; or (b) the most recent consecutive Billing Months November through March for customers billed on any other monthly interval.

Out-of-Cycle Adjustments to MDDV. Upon a Customer's request, and upon a showing to Company's satisfaction that a change in Customer's operations warrants a change to the Customer's MDDV, the Company may adjust Customer's MDDV at any time. Any MDDV change will be effective with the first monthly bill issued following the date that the need for the change is identified. The Company will not be required to adjust any previously issued bills.

Existing AAMR Device. If an AAMR device is installed and operational at the time a Customer initiates service under this Rate Schedule, the AAMR data will be used for calculating a Customer's MDDV for purposes of billing the Pipeline Capacity Charge, even if the AAMR data is not used for other billing purposes. (T)
(T)
(T)

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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