

WN U-2

Fifth Revision of Sheet No. 11  
Canceling  
Fourth Revision of Sheet No. 11

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PUGET SOUND ENERGY  
NATURAL GAS RULES AND REGULATIONS (Continued)  
RULE NO. 2: Definitions

The following terms have the meanings listed below unless defined otherwise within a specific rule or rate schedule.

1. Average gas temperature: The local daily average ambient temperature for the billing period computed to the nearest whole number, or sixty degrees Fahrenheit for inside meters, or the recorded average temperature from a billing chart or electronic volume corrector. (T)
2. Base atmospheric pressure: 14.73 pounds per square inch absolute.
3. Base gas temperature: Sixty degrees Fahrenheit.
4. Btu (British thermal unit): The amount of thermal energy required to raise the temperature of one pound of water from 58.5° Fahrenheit to 59.5° Fahrenheit at standard pressure.
5. Btu factor:
  - a. For low pressure billing: For a billing period, the average of the daily average heating value of gas received into the Company's distribution system (expressed in Btu's per cubic foot) divided by 1,000, times the pressure factor, times the temperature factor, times the supercompressibility factor.
  - b. For other than low pressure billing: For a billing period, the average of the daily average heating value of gas received into the Company's distribution system (expressed in Btu's per cubic foot) divided by 1,000.
6. Budget payment period: For residential Customers choosing the budget payment plan, a consecutive twelve-month period over which the Customer's estimated usage and an average monthly installment amount are calculated.

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Second Revision of Sheet No. 12-A

PUGET SOUND ENERGY  
NATURAL GAS RULES AND REGULATIONS (Continued)  
RULE NO. 2: Definitions

14. Essential agricultural customer: A Customer using natural gas for agricultural production; natural fiber production or processing; food processing; food quality maintenance; irrigation pumping; crop drying; or as process fuel or feedstock in the production of fertilizer, agricultural chemicals, animal feed, or food; as determined by the Secretary of Agriculture as necessary for full food and fiber production and as further defined in 7CFR2900.3. Such Customer must have certified to the Company its requirements for essential agricultural uses.
15. Gas day: Twenty-four consecutive hours beginning at 7:00 a.m. Pacific Time on a given calendar day and ending at 7:00 a.m. Pacific Time on the next calendar day, or such twenty-four hour period as may be designated from time to time. (C)  
(C)
16. Gas service: All services rendered to effect the initiation, administration, or maintenance of:
  - a. Installation and operation of distribution facilities;
  - b. Sale or transportation of gas on the Company's system;
  - c. Rental of natural gas equipment;
  - d. Safety and inspection services;
  - e. Demand-side management (gas conservation) programs; or
  - f. Other utility services provided by the Company.
17. Industrial service: Service to Customers engaged primarily in a process which extracts raw materials from the earth or changes raw or unfinished materials into another form or product.
18. Institutional service: Public and private schools; hospitals and other medical care facilities; churches; and facilities of municipal, state, and federal governments and agencies, except those leased or rented for non-governmental purposes.
19. Meter reading: Determination of the cumulative consumption of gas as indicated by advancement of the dials or other recording devices on a meter index. This may include calculated estimation whenever actual reading of the meter index is not accomplished for any reason.

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First Sheet No. 12-B

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PUGET SOUND ENERGY  
NATURAL GAS RULES AND REGULATIONS (Continued)  
RULE NO. 2: Definitions (Continued)

20. Metering pressure:
- a. For low pressure metering: A pressure of about six inches of water column (.22 psig) at the inlet of the meter.
  - b. For other than low pressure metering: The recorded average pressure from the billing chart or electronic volume corrector, or the recorded pressure when the meter was set and as checked in accordance with the Company's Gas Operating Standards. (C)
21. Nomination: A specific quantity of gas which a transportation Customer requests the Company to transport from one specific location to another on a given gas day.
22. Overrun entitlement: A period of time in which delivered gas volumes to a transportation Customer on the Company's distribution system may not exceed the Customer's confirmed nomination for that day.
23. PSIA: Pounds per square inch absolute.
24. PSIG: Pounds per square inch gauge.
25. Pressure factor: The sum of the metering pressure and the standard atmospheric pressure divided by the base atmospheric pressure.
26. Residential service: Service for residential purposes in:
- a. a single-family dwelling,
  - b. an individually-metered apartment in a multiple-family dwelling, or
  - c. a separately-metered portion of an otherwise commercial or industrial building occupied as the residence of one or more persons.
27. Service classification: Residential, commercial, or industrial gas service as defined in this rule.
28. Service piping: The piping and equipment between the gas main and the gas meter set assembly unit.

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PUGET SOUND ENERGY  
NATURAL GAS RULES AND REGULATIONS (Continued)  
RULE NO. 18: Measurement of Gas Service

Section 1: Gas Delivery Pressures

Gas is normally supplied by the Company at low pressure. The standard pressure of gas provided by the Company is .22 PSIG at the outlet of the meter. Higher pressure service may be supplied where available at the option of the Company and by special agreement. The special agreement may require the Customer to pay all costs relating to providing higher pressure service. In some cases, higher pressures may be supplied but not guaranteed. (T)  
(T)

Section 2: Measurement at Low Pressure Locations

Metering Pressure for low pressure locations is .22 PSIG (about six inches of water column). The Supercompressibility Factor is 1.00.

Where gas is metered at low pressure, the number of therms of gas used by a Customer will be determined by the following formula and expressed to the nearest one-tenth of a therm.

Therms = Ccf times Btu Factor for low pressure billing (T)

Section 3: Measurement at Other Than Low Pressure

For locations receiving gas at other than low pressure, Metering Pressure is the recorded average pressure from the billing chart or electronic volume corrector, or the recorded pressure when the meter was set and as checked in accordance with the Company's Gas Operating Standards. (C)  
(C)

Where gas is metered at other than low pressure, the number of therms used by a Customer will be determined by the following formula and expressed to the nearest one-tenth of a therm.

Therms = Ccf times Btu factor for other than low pressure billing (T)

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PUGET SOUND ENERGY  
NATURAL GAS RULES AND REGULATIONS (Continued)  
RULE NO. 25: Meter Testing Procedures

Section 1: Pressure of Gas

1. Gas pressure regulators which deliver nominal low pressure (approximately six inches of water column) to individual customers are certified by the manufacturer prior to installation. Gas pressure regulators which deliver low pressure to distribution systems are inspected a minimum of once per year.
2. Gas pressure regulators which deliver in excess of nominal low pressure to individual customers are adjusted by Company personnel at installation. These regulators are inspected by Company personnel in accordance with the Company's Gas Operating Standards. The Company also monitors the delivery pressure of large volume usage customers. (C)  
(C)

Section 2: Meter Testing Equipment and Procedures

1. The Company uses a combination of the following equipment for proving meters:
  - a. Bell provers (two cubic feet, five cubic feet, and ten cubic feet) for proving meter sizes up to 1,400 cubic feet per hour.
  - b. Sonic nozzle provers for proving meter sizes up to 1,000 cubic feet per hour.
  - c. Transfer provers (2M/10M, 10M/80M) for proving meter sizes from 1,400 cubic feet per hour through 150,000 cubic feet per hour.
2. Meter test equipment, meter test equipment calibration, and meter test methods conform with American National Standards Institute (ANSI) standards B109.1, B109.2, and B109.3.
3. Minimum acceptable accuracy for all new and rebuilt meters is 100% ± 1% at specified flow rates. New meters are tested by the manufacturer or, upon receipt, by the Company. An exception is allowed with the receipt of a batch shipment of new diaphragm meters with badge ratings up to 1,000 cubic feet per hour. The shipment may be sample tested in accordance with American National Standards Institute / American Society for Quality Control standard Z1.9 (1993), and the entire batch accepted or rejected on the basis of the sample test results.

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