

(e) *Total calorific value.* Total calorific value of a gas is the number of British thermal units evolved by the complete combustion, at constant pressure, of one standard cubic foot of gas with air, the temperature of the gas, air, and products of combustion being 60°F and all water formed by the combustion reaction condensed to the liquid state.

(7) **METER.** A meter is an instrument installed to measure the volume of gas delivered through it.

(8) **MUNICIPALITY.** A municipality is any town, city or village.

(9) **PRESSURE.** (a) *Pressure.* Pressure unless otherwise stated is expressed in pounds per square inch above atmospheric pressure, i.e. gauge pressure. (Abbreviation—psig).

(b) *Standard pressure.* See (11) (c) below.

(c) *Standard service pressure.* Standard service pressure is the gas pressure which a utility undertakes to maintain on the meters of all customers except the meters of customers utilizing high-pressure service.

(10) **PUBLIC UTILITY.** Public utility is defined in s. 196.01, Stats., and ch. PSC 134 applies to those supplying public utility gas service.

(11) **STANDARDS.** (a) *Specific gravity of a gas.* The specific gravity of a dry gas is the ratio of the molecular weight of the dry gas or gas mixture to the molecular weight of dry air. This is the dry specific gravity.

(b) *Standard cubic foot of gas.* A standard cubic foot of gas is the quantity of any gas that at standard temperature and under standard pressure will fill a space of 1 cu. ft. when in equilibrium with liquid water.

(Note: According to Dalton's Law, this is equivalent to stating that the partial pressure of the gas is:  $30 - 0.522 = 29.478$  inches of mercury column).

(c) *Standard pressure.* Standard pressure is the absolute pressure of pure mercury 30 inches in height at 32°F and under standard gravity (Gravity 32.174 ft. per sec.). (Equivalent to 14.735 lbs. per sq. in.)

(d) *Standard temperature.* Standard temperature is 60°F based on the international temperature scale.

(12) **UNMEASURED GAS.** Unmeasured gas is gas which has not been measured by a meter.

History: 1-2-56; r. and recr. Register, February, 1959, No. 38, eff. 3-1-59.

**PSC 134.03 Service.** Every gas utility shall furnish reasonably adequate service and facilities at the rates filed with the commission and subject to these rules and the rules of the utility filed with this commission which are applicable thereto and not otherwise. The utility shall be operated in such manner as to obviate so far as reasonably practicable, undesirable effects upon the operation of standard services, standard utilization equipment, equipment of the utility, and upon the service and facilities of other utilities and agencies.

History: 1-2-56; r. and recr. Register, February, 1959, No. 38, eff. 3-1-59.

**PSC 134.04 Schedules to be filed with commission.** The schedules of rates and rules shall be filed with the commission by the utility and shall be classified, designated, arranged, and submitted so as to conform

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to the requirements of current tariff or rate schedule circulars and special instructions which have been and may from time to time be issued by the commission. Provisions of the schedules shall be definite and so stated as to minimize ambiguity or the possibility of misinterpretation, and shall include, together with such other information as may be deemed pertinent, the following:

(3) Forms of standard contracts required of customers for the various types of service available.

(4) If service to other utilities or municipalities for resale is furnished at a standard filed rate, either a copy of each contract or the standard contract form together with a summary of the provisions of each signed contract. The summary shall show the principal provisions of the contract and shall include the name and address of the customer, the points where gas is delivered, rate, term, minimums, load conditions, heating value of gas, pressures, and any special provisions such as rentals.

(5) Copies of special contracts for the purchase, sale, or interchange of gas.

(6) List of villages, cities, and unincorporated communities where urban rates are applicable, and towns in which service is furnished.

(7) Definitions of classes of customers.

(8) Extension rules for extending service to new customers indicating what portion of the extension or cost thereof will be furnished by the utility; and if the rule is based on cost, the items of cost included.

(9) Type of construction required of the customer if different from requirements in ch. PSC 135, Wis. Adm Code.

(10) Designation of such portion of the service facilities as the utility furnishes, owns, and maintains.

(11) Rules with which prospective customers must comply as a condition of receiving service, and the terms of contracts required.

(12) Rules governing the establishment of credit by customers for payment of service bills.

(13) Rules governing disconnecting and reconnecting service.

(14) Notice required from customer for having service discontinued.

(15) Rules covering temporary, emergency, auxiliary, and standby service.

(16) Rules covering the type of equipment which may or may not be connected.

(17) The list of service areas and the rates shall be filed in such form as to facilitate ready determination of the rates available in each municipality and in such unincorporated communities as have service at urban