

of R-11 or more and the customer is installing batt insulation, the customer need only install additional insulation material with a value of R-19.

(b) Sill box area insulation shall be installed to a level of R-19, unless physically impractical.

(c) Floor insulation over vented crawl spaces or unheated basements shall reach a level of R-19. In a heated crawl space, insulation materials with an R factor of at least 5 shall be installed on the walls.

(d) In unheated areas, insulation shall be installed on all heating ducts, cold air returns, and hot water pipes.

(e) Windows shall be double-glazed or have storms.

(f) All doors exposed to the outside atmosphere shall have a storm door or equivalent insulated door.

(g) Weatherstripping shall be installed on all movable doors and windows exposed to an unheated space. Caulking shall be installed whenever 2 different materials or parts of a structure meet, such as chimney openings, around windows and doors, etc.

(h) If a new central heating unit is to be installed, the equipment shall meet the energy efficiency requirements of s. Ind 22.13, Wis. Adm. Code, which are as follows:

Combustion spaceheating equipment shall be provided with electronic ignition and automatic flue dampering, except sealed combustion equipment or equipment located in enclosures and provided with combustion air need not be provided with flue dampering.

(i) Ventilation above the ceiling/attic insulation shall be installed. The free ventilating area shall be at least 1/300 of the horizontal area. One half of the venting should be near the eaves and the other half near the top of the roof.

(j) If a structure is unable to meet all required standards, other methods of energy conservation may be substituted such that the energy savings will be the same or greater. This substitution shall be based on heat loss calculations performed in a normally accepted manner. Such substitutions may include but are not limited to the following:

1. Furnace modifications as suggested by the utility; or
2. Insulation materials equal to R-5 on the inside walls of a heated basement.

(4) Before natural gas service can be rendered for commercial or industrial spaceheating use in buildings constructed before July 1, 1978, each utility listed in PSC 136.04 (1) shall require that the following conservation standards be met:

(a) Design heat loss, excluding infiltration and ventilation, through above-grade gross walls and roofs facing heated interiors shall not exceed 13 BTU per hour per square foot for the total building envelope;

(b) If a building exceeds the heat loss of (a) above, the building may receive gas service provided that it demonstrates additional innovative

building or system designs that will reduce fuel consumption to a level equal to or less than fuel consumption which results from complying with (a) above;

(c) All exterior windows and doors shall be designed to limit leakage into or from the building and shall be weatherstripped; and

(d) Special use buildings such as greenhouse, inflatable structures, and the like, or any building exempt from the heating and ventilating requirements of ch. Ind 63, Wis. Adm. Code, are exempt from these requirements.

**History:** Emerg. cr. eff. 5-2-80; cr. Register, January, 1981, No. 301, eff. 2-1-81.

**PSC 136.05 Nonessential uses of natural gas.** (1) A utility or other person shall not install, connect, or cause to be installed or connected to the distribution system any device which constitutes a nonessential use of natural gas, in accordance with PSC 136.05 (3), unless such device has been received by any person prior to the effective date of this rule, including item inventories held by retailers and wholesalers.

(2) For purposes of determining a nonessential use of natural gas, the public service commission shall consider the following criteria:

(a) Necessity of use;

(b) Availability and reasonableness of alternative fuel to provide a substitute service;

(c) Public health, safety and unusual hardship factors; and

(d) Compatibility of natural gas use with energy policy.

(3) In accordance with the preceding criteria, the use of natural gas in the following devices or for the following purposes is considered to be nonessential:

(a) Gas lights;

(b) Snowmelting equipment;

(c) Residential swimming pool heaters, unless provided with a passive solar blanket which covers the entire surface of the pool or an active solar system which uses a solar collector with a surface area of at least 50% of the pool's surface area; and

(d) Heating areas containing swimming pools, porches, workshops, garages or other areas of marginal or seasonal use unless insulated to energy conservation standards as specified in chs. Ind 22 and 63, Wis. Adm. Code.

(4) The rule designating a nonessential use of natural gas may be modified or waived by the commission for reasons of health, safety or unusual hardship.

**History:** Emerg. cr. eff. 11-2-79; cr. Register, February, 1980, No. 290, eff. 3-1-80; am. (3) (c), Register, January, 1982, No. 313, eff. 2-1-82; am. (3) (c), r. (3) (d), renum. (3) (e) to be (3) (d), Register, March, 1982, No. 315, eff. 4-1-82.

Register, March, 1982, No. 315

**PSC 136.10 Disconnection or refusal of service.** Gas service may be disconnected or refused for failure to comply with the regulations contained in this chapter as specified in PSC 134.062.

**History:** Cr. Register, February, 1980, No. 290, eff. 3-1-80.