

MAINE STATE LEGISLATURE

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122nd MAINE LEGISLATURE

FIRST REGULAR SESSION-2005

Legislative Document

No. 1435

H.P. 999

House of Representatives, March 22, 2005

An Act Establishing Minimum Energy Efficiency Standards for Certain Products Sold or Installed in the State

Reference to the Committee on Utilities and Energy suggested and ordered printed.

Millicent M. MacFarland
MILLICENT M. MacFARLAND
Clerk

Presented by Representative EBERLE of South Portland.
Cosponsored by Senator TURNER of Cumberland and
Representatives: BLISS of South Portland, BRAUTIGAM of Falmouth, FLETCHER of
Winslow, KOFFMAN of Bar Harbor, MUSE of Fryeburg, PINGREE of North Haven,
RECTOR of Thomaston, THOMPSON of China.

2 **Be it enacted by the People of the State of Maine as follows:**

4 **Sec. 1. 35-A MRSA c. 36** is enacted to read:

6 **CHAPTER 36**

8 **ENERGY EFFICIENCY STANDARDS**

10 **§3601. Definitions**

12 As used in this chapter, unless the context otherwise indicates, the following terms have the following meanings.

14 1. AC. "AC" means alternating current.

16 2. Automatic commercial ice-maker. "Automatic commercial ice-maker" means a factory-made assembly shipped in one or more packages that consists of a condensing unit and ice-making section operating as an integrated unit that makes and harvests ice cubes and that may store or dispense ice. This term includes machines with ice-making capacities from 50 to 2,500 lbs. per 24 hours.

24 3. Ballast. "Ballast" means a device used with an electric discharge lamp to obtain necessary voltage, current and wave form for starting and operating the lamp.

28 4. BTU. "BTU" has the same meaning as in Title 10, section 1413.

32 5. Ceiling fan. "Ceiling fan" means a nonportable device that is suspended from a ceiling for circulating air via the rotation of fan blades.

36 6. Ceiling fan light kit. "Ceiling fan light kit" means equipment designed to provide light from a ceiling fan that can be:

38 A. Integral, such that the equipment is hardwired to the ceiling fan; or

42 B. Attachable, such that at the time of sale the equipment is not physically attached to the ceiling fan but may be included inside the ceiling fan package or sold separately for subsequent attachment to the fan.

46 7. Commercial clothes washer. "Commercial clothes washer" means a soft mount horizontal-axis or vertical-axis clothes washer that:

50 A. Has a clothes container compartment no greater than 3.5 cubic feet in the case of a horizontal-axis product and no

2 greater than 4.0 cubic feet in the case of a vertical-axis
product; and

4 B. Is designed for use by more than one household, such as
in multifamily housing, apartments or coin laundries.

6 8. Commercial prerinse spray valve. "Commercial prerinse
8 spray valve" means a hand-held device that is designed and
10 marketed for use with commercial dishwashing and ware washing
12 equipment and that sprays water for the purpose of removing food
14 residue prior to cleaning.

16 9. Commercial refrigerator, freezer or
18 refrigerator-freezer. "Commercial refrigerator, freezer or
20 refrigerator-freezer" means self-contained refrigeration
22 equipment that:

24 A. Is not a consumer product as regulated pursuant to 42
26 United States Code, Section 6291 et seq.;

28 B. Operates at a chilled, frozen, combination of chilled
30 and frozen or variable temperature for the purpose of
32 storing or merchandising food, beverages or ice;

34 C. May have transparent or solid hinged doors, sliding
36 doors or a combination of hinged and sliding doors; and

38 D. Incorporates most components involved in the
40 vapor-compression cycle and the refrigerated compartment in
42 a single cabinet.

44 This term does not include units with 85 cubic feet or more of
46 internal volume, walk-in refrigerators or freezers, units with no
48 doors or freezers specifically designed for ice cream.

10. DC. "DC" means direct current.

11. Digital television adapter. "Digital television
40 adapter" means an electronic product for which the sole purpose
42 is the conversion of digital video terrestrial broadcast signals
44 to analog video signals for use by an analog device such as a
46 television. This term does not include cable or satellite
48 television set-top boxes.

12. Electricity ratio. "Electricity ratio" is the ratio of
46 furnace electricity use to total furnace energy use.

48 13. Furnace air handler. "Furnace air handler" means the
section of the furnace that is generally upstream of the burners

2 and heat exchanger and may include the fan, blower, filter or
3 housing or any combination of those elements.

4 14. High-intensity discharge lamp. "High-intensity
5 discharge lamp" means a lamp in which light is produced by the
6 passage of an electric current through a vapor or gas and in
7 which the light-producing arc is stabilized by bulb wall
8 temperature and the arc tube has a bulb wall loading in excess of
9 3 watts per square centimeter.

10
11 15. Illuminated exit sign. "Illuminated exit sign" means
12 an internally illuminated sign that is designed to be permanently
13 fixed in place to identify a building exit and consists of an
14 electrically powered integral light source that illuminates the
15 legend "EXIT" and any directional indicators and provides
16 contrast between the legend, any directional indicators and the
17 background.

18
19 16. Large packaged air-conditioning equipment. "Large
20 packaged air-conditioning equipment" means electrically operated,
21 air-cooled air-conditioning and air-conditioning heat pump
22 equipment that has a cooling capacity of at least 240,000 BTUs
23 per hour but less than 760,000 BTUs per hour and that is built as
24 a package and shipped as a whole to end-user sites.

25
26 17. Low-voltage dry-type distribution transformer.
27 "Low-voltage dry-type distribution transformer" means a
28 distribution transformer that:

29
30 A. Has an input voltage of 600 volts or less;

31
32 B. Is air-cooled;

33
34 C. Does not use oil as a coolant; and

35
36 D. Is rated for operation at a frequency of 60 hertz.

37
38 18. Medium-voltage dry-type distribution transformer.
39 "Medium-voltage dry-type distribution transformer" means a
40 distribution transformer that:

41
42 A. Has an input voltage of more than 600 volts but less
43 than 34,500 volts;

44
45 B. Is air-cooled;

46
47 C. Does not use oil as a coolant; and

48
49 D. Is rated for operation at a frequency of 60 hertz.
50

2 19. Metal halide lamp. "Metal halide lamp" means a
3 high-intensity discharge lamp in which the major portion of the
4 light is produced by the radiation of metal halides and their
5 products of dissociation, possibly in combination with metallic
6 vapors.

7 20. Metal halide lamp fixture. "Metal halide lamp fixture"
8 means a light fixture designed to be operated with a metal halide
9 lamp and a ballast for a metal halide lamp.

10 21. Probe-start metal halide ballast. "Probe-start metal
11 halide ballast" means a ballast used to operate metal halide
12 lamps that does not contain an ignitor and instead starts lamps
13 by using a 3rd starting electrode "probe" in the arc tube.

14 22. Pulldown refrigerator. "Pulldown refrigerator" means a
15 commercial refrigerator specifically designed to rapidly reduce,
16 when fully loaded with beverage containers, all integrated
17 product temperatures from 90 degrees Fahrenheit to 38 degrees
18 Fahrenheit over a 12-hour period.

19 23. Residential boiler. "Residential boiler" means a
20 self-contained appliance for supplying steam or hot water
21 primarily intended for space heating that uses only single-phase
22 electric current or single-phase electric current or direct
23 current in conjunction with natural gas, propane or home heating
24 oil and that:

25 A. Is designed to be the principal heating source for the
26 living space of one or more residences;

27 B. Has a heat input rate of less than 300,000 BTUs per
28 hour; and

29 C. Is not an appliance designed for the primary purpose of
30 supplying hot water for purposes other than heating.

31 24. Residential furnace. "Residential furnace" means a
32 self-contained space heater designed to supply heated air through
33 ducts of more than 10 inches in length that uses only
34 single-phase electric current or single-phase electric current or
35 direct current in conjunction with natural gas, propane or home
36 heating oil and that:

37 A. Is designed to be the principal heating source for the
38 living space of one or more residences;

39 B. Is not contained within the same cabinet as a central
40 air conditioner whose rated cooling capacity is above 65,000
41 BTUs per hour; and

2 C. Has a heat input rate of less than 225,000 BTUs per hour.

4 **25. Single-voltage external AC-to-DC power supply.**
"Single-voltage external AC-to-DC power supply" means a device
6 that:

8 A. Is designed to convert line voltage AC input into lower
voltage DC output;

10 B. Is able to convert to only one DC output voltage at a
time;

12 C. Is sold with or intended to be used with a separate
end-use product that constitutes the primary power load;

14 D. Is contained within a separate physical enclosure from
the end-use product;

16 E. Is connected to the end-use product through a removable
or hard-wired electrical connection, cable, cord or other
wiring;

18 F. Does not have batteries or battery packs, including
those that are removable, that physically attach directly to
the power supply unit;

20 G. Does not have a battery chemistry or type selector
switch and indicator light and does not have a battery
chemistry or type selector switch and a state of charge
meter; and

22 H. Has a nameplate output power less than or equal to 250
watts.

24 **26. State-regulated incandescent reflector lamp.**
"State-regulated incandescent reflector lamp" means a lamp that
26 is not colored or designed for rough or vibration service
applications; that has an inner reflective coating on the outer
bulb to direct the light, an E26 medium screw base and a rated
voltage or voltage range that lies at least partially within 115
to 130 volts; and that falls into one of the following categories:

28 A. A bulged reflector or elliptical reflector bulb shape
that has a diameter that equals or exceeds 2.25 inches; and

30 B. A reflector or parabolic aluminized reflector or
similar bulb shape that has a diameter of 2.25 to 2.75
inches.

2 27. Torchiere lighting fixture. "Torchiere lighting
4 fixture" means a portable electric lighting fixture with a
6 reflective bowl that directs light upward onto a ceiling so as to
produce indirect illumination on the surfaces below. A torchiere
lighting fixture may include downward-directed lamps in addition
to the upward, indirect illumination.

8 28. Traffic signal module. "Traffic signal module" means a
10 standard 8-inch or 12-inch traffic signal indicator consisting of
12 a light source, a lens and all other parts necessary for
operation.

14 29. Transformer. "Transformer" means a device consisting
16 of 2 or more coils of insulated wire and that is designed to
transfer alternating current by electromagnetic induction from
18 one coil to another to change the original voltage or current
value. "Transformer" does not include either:

20 A. Transformers with multiple voltage taps, with the
22 highest voltage tap equaling at least 20 percent more than
the lowest voltage tap; or

24 B. Transformers that are designed to be used in a
26 special-purpose application and are unlikely to be used in
28 general-purpose applications, such as those commonly known
30 as drive transformers, rectifier transformers,
auto-transformers, uninterruptible power system
transformers, impedance transformers, regulating
transformers, sealed and nonventilating transformers,
32 machine tool transformers, welding transformers, grounding
transformers or testing transformers.

34 30. Unit heater. "Unit heater" means a self-contained,
36 vented fan-type commercial space heater that uses natural gas or
38 propane and that is designed to be installed without ducts within
40 a heated space, except that "unit heater" does not include any
products covered by federal standards established pursuant to 42
United States Code, Section 6291 and subsequent sections or any
product that is a direct-vent, forced-flue heater with a sealed
combustion burner.

42 §3602. Scope

44 1. Application. Except as provided in subsection 2, the
46 provisions of this chapter apply to the testing, certification
48 and enforcement of energy efficiency standards for the following
types of new products that are sold, offered for sale or
installed in the State and are referred to in this chapter as
"covered products":

50

- 2 A. Automatic commercial ice makers;
- 4 B. Ceiling fans and ceiling fan light kits;
- 6 C. Commercial clothes washers;
- 8 D. Commercial prerinse spray valves;
- 10 E. Commercial refrigerators and freezers;
- 12 F. Digital television adapters;
- 14 G. Residential boilers and residential furnaces;
- 16 H. Furnace air handlers;
- 18 I. High-intensity discharge lamp ballasts;
- 20 J. Illuminated exit signs;
- 22 K. Large packaged air-conditioning equipment;
- 24 L. Low-voltage dry-type distribution transformers;
- 26 M. Medium-voltage dry-type distribution transformers;
- 28 N. Metal halide lamp fixtures;
- 30 O. Single-voltage external AC-to-DC power supplies;
- 32 P. State-regulated incandescent reflector lamps;
- 34 Q. Torchiere lighting fixtures;
- 36 R. Traffic signal modules;
- 38 S. Unit heaters; and
- 40 T. Such other products as may be designated by the
commission in accordance with section 3605.
- 42 2. Exclusions. The provisions of this chapter do not apply
44 to:
- 46 A. New products manufactured in the State and sold outside
the State;
- 48 B. New products manufactured outside the State and sold at
wholesale inside the State for final retail sale and
50 installation outside the State;

2 C. Products installed in mobile manufactured homes at the
3 time of construction; and

4 D. Products designed expressly for installation and use in
5 recreational vehicles.

8 **§3603. Rulemaking; energy efficiency standards**

10 No later than January 1, 2006, the commission shall adopt
11 rules establishing minimum efficiency standards for sale and
12 installation of covered products.

14 **§3604. Implementation of energy efficiency rules; varying**
15 **effective dates**

16 1. Products sold on or after January 1, 2007; products
17 installed on or after January 1, 2008. The following covered
18 products may not be sold or offered for sale as new in the State
19 on or after January 1, 2007 or installed for compensation in the
20 State on or after January 1, 2008 unless the efficiency of the
21 product meets or exceeds the efficiency standards set forth in
22 the rules adopted pursuant to section 3603:

24 A. Ceiling fan;

26 B. Ceiling fan light kit;

28 C. Commercial clothes washer;

30 D. Commercial prerinse spray valve;

32 E. Digital television adapter;

34 F. High-intensity discharge lamp ballast;

36 G. Illuminated exit sign;

38 H. Low-voltage dry-type distribution transformer;

40 I. Single-voltage external AC-to-DC power supply;

42 J. State-regulated incandescent reflector lamp;

44 K. Torchiere lighting fixture;

46 L. Traffic signal module; and

48 M. Unit heater.

50

2 2. Products sold on or after January 1, 2008; products
3 installed on or after January 1, 2009. The following covered
4 products may not be sold or offered for sale as new in the State
5 on or after January 1, 2008 or installed for compensation in the
6 State on or after January 1, 2009 unless the efficiency of the
7 product meets or exceeds the efficiency standards set forth in
8 the rules adopted pursuant to section 3603:

9 A. Automatic commercial ice maker;

10 B. Medium-voltage dry-type distribution transformer; and

11 C. Metal halide lamp fixture.

12
13 3. Products sold on or after January 1, 2010; products
14 installed on or after January 1, 2011. The following covered
15 products may not be sold or offered for sale as new in the State
16 on or after January 1, 2010 or installed for compensation in the
17 State on or after January 1, 2011 unless the efficiency of the
18 product meets or exceeds the efficiency standards set forth in
19 the rules adopted pursuant to section 3603:

20 A. Commercial refrigerator or freezer; and

21 B. Large packaged air-conditioning equipment.

22
23 For purposes of this section, "compensation" means money or
24 any other valuable, regardless of form, received or to be
25 received by a person for services rendered.

26
27 **§3605. New and revised standards**

28
29 The commission may by rule establish standards higher than
30 the minimum energy efficiency standards for covered products and
31 may establish standards for products not specifically listed in
32 section 3602. The commission may revise a standard or add a new
33 standard for other products upon determination that the standard
34 would serve to promote energy conservation in the State and would
35 be cost-effective for consumers who purchase and use such
36 products. A new or increased energy efficiency standard adopted
37 by the commission may not take effect less than one year
38 following the adoption of the rule establishing the new or
39 increased energy efficiency standard. The commission may apply
40 for a waiver of federal preemption in accordance with federal
41 procedures under 42 United States Code, Section 6297(d) for those
42 products regulated by the Federal Government.

43 **§3606. Testing, certification, labeling and enforcement**

1 1. Testing. The commission shall adopt procedures for
2 testing the energy efficiency of covered products. The
3 commission shall use United States Department of Energy approved
4 test methods or, in the absence of such test methods, other
5 appropriate nationally recognized test methods. The
6 manufacturers of such products shall cause samples of the
7 products to be tested in accordance with the test procedures
8 adopted pursuant to this subsection.

10 2. Certification. Manufacturers of covered products,
11 except for single-voltage external AC-to-DC power supplies and
12 high-intensity discharge lamp ballasts, shall certify to the
13 commission that such products are in compliance with the
14 provisions of this chapter. Such certifications must be based on
15 test results. The commission shall adopt rules governing the
16 certification of such products and may work in coordination with
17 the certification programs of other states with like standards.

18 3. Identification. Manufacturers of covered products,
19 except for high-intensity discharge lamp ballasts, shall identify
20 each product offered for sale or installed in the State as being
21 in compliance with the provisions of this chapter by means of a
22 mark, label or tag on the product and packaging at the time of
23 sale or installation. The commission shall adopt rules governing
24 the identification of such products and packaging and may
25 coordinate the rules with the labeling programs of other states
26 with like standards.

28 4. Commission testing. The commission may test covered
29 products using an accredited testing facility. If products so
30 tested are found to be not in compliance with the minimum energy
31 efficiency standards established under section 3603, the
32 commission shall:

34 A. Charge the manufacturer of such a product for the cost
35 of product purchase and testing; and

36 B. Provide information to the public on the product found
37 to be not in compliance with the standards.

38 5. Inspections. With prior notice and at reasonable and
39 convenient hours, the commission may make periodic inspections of
40 distributors or retailers of covered products to determine
41 compliance with the provisions of this chapter. The commission
42 shall work with the Department of Administrative and Financial
43 Services to coordinate inspections of covered products that are
44 installed as part of public improvements as defined in Title 5,
45 section 1741.
46
47
48

2 6. Investigations; enforcement. The commission shall
investigate complaints concerning violations of this chapter and
4 shall report the results of such investigations to the Attorney
General. The Attorney General may institute proceedings to
6 enforce the provisions of this chapter. A manufacturer,
distributor or retailer that violates any provision of this
8 chapter must be issued a warning for a first violation and for
any subsequent violation is subject to a civil fine of not more
10 than \$250. Each violation constitutes a separate offense, and
each day the violation continues constitutes a separate offense.
12 Fines assessed under this subsection are in addition to costs
assessed under subsection 4.

14 7. Rules. The commission may adopt rules necessary to
ensure the proper implementation and enforcement of the
16 provisions of this chapter. Rules adopted under this subsection
are routine technical rules as defined in Title 5, chapter 375,
18 subchapter 2-A.

20 **Sec. 2. Rulemaking; establishment of efficiency standards.** The
Public Utilities Commission shall adopt rules pursuant to the
22 Maine Revised Statutes, Title 35-A, section 3603 that establish
the following minimum energy efficiency standards.
24

1. Automatic commercial ice makers must meet or exceed the
26 energy efficiency requirements shown in Table A-7 of section
1605.3 of the California Code of Regulations, Title 20: Division
2, Chapter 4, Article 4: Appliance Efficiency Regulations as
28 adopted on December 15, 2004.

30 2. Ceiling fans must:

32 A. Include lighting controls that are separate from fan
34 speed controls;

36 B. Be equipped with adjustable speed controls; and

38 C. Have the capability of reversible fan action, except
that this requirement does not apply to fans designed for
40 industrial applications, fans designed for outdoor
applications and fans designed for applications where safety
42 standards would be violated by use of the reversible mode.

44 3. Ceiling fan light kits must:

46 A. Meet or exceed the requirements of the United States
Environmental Protection Agency's Energy Star Program for
48 Residential Light Fixtures (Version 3.1) and be packaged
with lamps to fill all sockets;

2 B. Be packaged with screw-based compact fluorescent lamps
to fill all sockets, with such lamps satisfying the Energy
4 Star Program Requirements for Compact Fluorescent Lamps
(Version 3.0); or

6
8 C. Use and be packaged with light sources other than
compact fluorescent lamps that meet or exceed the minimum
efficacy requirements, as measured in lumens per watt, of
10 the Energy Star Program Requirements for Compact Fluorescent
Lamps (Version 3.0).

12
14 4. Commercial clothes washers must meet or exceed the
requirements shown in Table P-4 of section 1605.3 of the
California Code of Regulations, Title 20: Division 2, Chapter 4,
16 Article 4: Appliance Efficiency Regulations in effect on December
15, 2004.

18
20 5. Commercial prerinse spray valves must have a flow rate
less than or equal to 1.6 gallons per minute.

22 6. Commercial refrigerators, freezers and
refrigerator-freezers must meet or exceed the minimum efficiency
24 requirements shown in Table A-6 of section 1605.3 of the
California Code of Regulations, Title 20: Division 2, Chapter 4,
26 Article 4: Appliance Efficiency Regulations as adopted on
December 15, 2004, except that pulldown refrigerators with
28 transparent doors must meet or exceed a requirement 5% less
stringent than shown in the California regulations.

30
32 7. Digital television adapters may not use more than one
watt in "standby-passive" mode and may not use more than 8 watts
in "on" mode.

34
36 8. Residential furnaces and boilers must meet or exceed the
following annual fuel use efficiency values:

38 A. For natural gas-fired and propane-fired furnaces, a
minimum efficiency level of 90%;

40
42 B. For oil-fired furnaces, a minimum efficiency level of
83%;

44 C. For natural gas-fired and propane-fired hot water
boilers, a minimum efficiency level of 84%;

46
48 D. For oil-fired hot-water boilers, a minimum efficiency
level of 84%;

2 E. For natural gas-fired and propane-fired steam boilers, a
minimum efficiency level of 82%; and

4 F. For oil-fired steam boilers, a minimum efficiency level
of 82%.

6
8 The commission may adopt rules to exempt compliance with furnace
or boiler standards at any building, site or location if
10 compliance with those standards would conflict with any local
zoning ordinance, building or plumbing code or other rule
regarding installation and venting of boilers or furnaces.

12
14 9. Furnace air handlers must have an efficiency ratio of
2.0 percent or less, except that air handlers for oil-fired
16 furnaces with a capacity of less than 94,000 BTUs per hour must
have an efficiency ratio of 2.3 percent or less.

18 10. High-intensity discharge lamp ballasts may not be
designed or marketed to operate a mercury vapor lamp.

20
22 11. Illuminated exit signs must have an input power demand
of 5 watts or less per illuminated face.

24 12. Large packaged air-conditioning equipment must meet or
exceed the following minimum energy efficiency ratios:

26
28 A. For air conditioning without an integrated heating
component or with electric resistance heating integrated
into the unit, a minimum energy efficiency ratio of 10.0;

30
32 B. For air conditioning with heating other than electric
resistance integrated into the unit, a minimum energy
efficiency ratio of 9.8;

34
36 C. For air-conditioning heat pumps without an integrated
heating component or with electric resistance heating
integrated into the unit, a minimum energy efficiency ratio
38 of 9.5; and

40
42 D. For air-conditioning heat pump equipment with heating
other than electric resistance integrated into the unit, a
minimum energy efficiency ratio of 9.3.

44 Large packaged air-conditioning heat pumps must meet a minimum
coefficient of performance in the heating mode of 3.2.

46
48 13. Low-voltage dry-type distribution transformers must
meet or exceed the Class 1 efficiency levels for low-voltage
distribution transformers specified in Table 4-2 of the "Guide
50 for Determining Energy Efficiency for Distribution Transformers"

published by the National Electrical Manufacturers Association
(NEMA Standard TP-1-2002).

14. Medium-voltage dry-type distribution transformers must meet or exceed minimum efficiency levels 3/10 of a percentage point higher than the Class 1 efficiency levels for medium-voltage distribution transformers specified in Table 4-2 of the "Guide for Determining Energy Efficiency for Distribution Transformers" published by the National Electrical Manufacturers Association (NEMA Standard TP-1-2002).

15. Metal halide lamp fixtures designed to be operated with lamps rated greater than or equal to 150 watts but less than or equal to 500 watts may not contain a probe-start metal halide lamp ballast.

16. Single-voltage external AC-to-DC power supplies must meet or exceed the Tier 1 energy efficiency requirements shown in Table U-1 of section 1605.3 of the California Code of Regulations, Title 20: Division 2, Chapter 4, Article 4: Appliance Efficiency Regulations as adopted on December 15, 2004. This standard applies to single-voltage AC-to-DC power supplies that are sold individually and to those that are sold as a component of or in conjunction with another product.

17. State-regulated incandescent reflector lamps must meet or exceed the minimum average lamp efficacy requirements for federally regulated incandescent reflector lamps contained in 42 United States Code, Section 6295 (i)(1)(A). This requirement does not apply to 50-watt elliptical reflector lamps.

18. Torchiere lighting fixtures may not use more than 190 watts. A torchiere lighting fixture is deemed to use more than 190 watts if any commercially available lamp or combination of lamps can be inserted in its socket or sockets and cause the torchiere lighting fixture to draw more than 190 watts when operated at full brightness.

19. Traffic signal modules must meet or exceed the product specification of the Energy Star Program Requirements for Traffic Signals developed by the United States Environmental Protection Agency, which took effect in February 2001. Traffic signal modules must be installed with compatible, electrically connected signal control interface devices and conflict monitoring systems

20. Unit heaters must be equipped with an intermittent ignition device and must have either power venting or an automatic flue damper.

