



General Assembly

February Session, 2004

Raised Bill No. 145

LCO No. 425

00425_____ET_

Referred to Committee on Energy and Technology

Introduced by:
(ET)

AN ACT CONCERNING ENERGY EFFICIENCY STANDARDS.

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. Section 16a-48 of the general statutes, as amended by
2 section 146 of public act 03-6 of the June 30 special session, is repealed
3 and the following is substituted in lieu thereof (*Effective July 1, 2004*):

4 (a) As used in this section:

5 (1) "Commissioner" means the Commissioner of Agriculture and
6 Consumer Protection;

7 (2) "Fluorescent lamp ballast" or "ballast" means a device designed
8 to operate fluorescent lamps by providing a starting voltage and
9 current and limiting the current during normal operation, but does not
10 include such devices that have a dimming capability or are intended
11 for use in ambient temperatures of zero degrees Fahrenheit or less or
12 have a power factor of less than sixty-one hundredths for a single
13 F40T12 lamp;

14 (3) "F40T12 lamp" means a tubular fluorescent lamp that is a
15 nominal forty-watt lamp, with a forty-eight-inch tube length and one

16 and one-half inches in diameter;

17 (4) "F96T12 lamp" means a tubular fluorescent lamp that is a
18 nominal seventy-five-watt lamp with a ninety-six-inch tube length and
19 one and one-half inches in diameter;

20 (5) "Luminaire" means a complete lighting unit consisting of a
21 fluorescent lamp, or lamps, together with parts designed to distribute
22 the light, to position and protect such lamps, and to connect such
23 lamps to the power supply;

24 (6) ["New appliance"] "New product" means [an appliance] a
25 product that is sold, offered for sale, or installed for the first time and
26 specifically includes floor models and demonstration units;

27 (7) "Secretary" means the Secretary of the Office of Policy and
28 Management;

29 (8) "State Building Code" means the building code adopted
30 pursuant to section 29-252;

31 (9) "Torchiere lighting fixture" means a portable electric lighting
32 fixture with a reflector bowl giving light directed upward so as to give
33 indirect illumination;

34 (10) "Unit heater" means a self-contained, vented fan-type
35 commercial space heater that uses natural gas or propane that is
36 designed to be installed without ducts within the heated space. "Unit
37 heater" does not include a product regulated by federal standards
38 pursuant to 42 USC 6291, as amended from time to time, a product that
39 is a direct vent, forced flue heater with a sealed combustion burner, or
40 any oil fired heating system;

41 (11) "Transformer" means a device consisting of two or more coils of
42 insulated wire that transfers alternating current by electromagnetic
43 induction from one coil to another in order to change the original
44 voltage or current value;

45 (12) "Low-voltage dry-type transformer" means a transformer that:
46 (A) Has an input voltage of 600 volts or less; (B) is between 14 kilovolt-
47 amperes and 2,501 kilovolt-amperes in size; (C) is air-cooled; and (D)
48 does not use oil as a coolant. "Low-voltage dry-type transformer" does
49 not include such transformers excluded from the low-voltage dry-type
50 distribution transformer definition contained in the California Code of
51 Regulations, Title 20: Division 2, Chapter 4, Article 4: Appliance
52 Efficiency Regulations;

53 (13) "Pass-through cabinet" means a refrigerator or freezer with
54 hinged or sliding doors on both the front and rear of the refrigerator or
55 freezer;

56 (14) "Reach-in cabinet" means a refrigerator, freezer, or combination
57 thereof, with hinged or sliding doors or lids;

58 (15) "Roll-in" or "roll-through cabinet" means a refrigerator or
59 freezer with hinged or sliding doors that allows wheeled racks of
60 product to be rolled into or through the refrigerator or freezer;

61 (16) "Commercial refrigerators and freezers" means reach-in
62 cabinets, pass-through cabinets, roll-in cabinets and roll-through
63 cabinets that have less than eighty-five feet of capacity. "Commercial
64 refrigerators and freezers" does not include walk-in models or
65 consumer products regulated under the federal National Appliance
66 Energy Conservation Act of 1987;

67 (17) "Traffic signal module" means a standard eight-inch or twelve-
68 inch round traffic signal indication consisting of a light source, lens
69 and all parts necessary for operation and communicates movement
70 messages to drivers through red, amber and green colors;

71 (18) "Illuminated exit sign" means an internally illuminated sign that
72 is designed to be permanently fixed in place and used to identify an
73 exit by means of a light source that illuminates the sign or letters from
74 within, and where the background of the exit sign is not transparent;

75 (19) "Packaged air-conditioning equipment" means air-conditioning
76 equipment that is built as a package and shipped as a whole to end-
77 user sites;

78 (20) "Large packaged air-conditioning equipment" means packaged
79 air-conditioning equipment having not less than 240,000 BTUs per
80 hour of cooling capacity;

81 (21) "Commercial clothes washer" means a soft mount front-loading
82 or soft mount top-loading clothes washer that is designed for use in
83 (A) applications where the occupants of more than one household will
84 be using it, such as in multi-family housing common areas and coin
85 laundries; or (B) other commercial applications, if the clothes container
86 compartment is no greater than 3.5 cubic feet for horizontal-axis
87 clothes washers, or no greater than 4.0 cubic feet for vertical-axis
88 clothes washers.

89 (b) The provisions of this section apply to the testing, certification
90 and enforcement of efficiency standards for the following types of new
91 [appliances] products sold, offered for sale or installed in the state: (1)
92 [Fluorescent ballasts for F40T12 and F96T12 lamps; (2) luminaires with
93 fluorescent ballasts for F40T12 and F96T12 lamps; (3) showerheads]
94 Commercial clothes washers; (2) commercial refrigerators and freezers;
95 (3) illuminated exit signs; (4) large packaged air-conditioning
96 equipment; (5) low voltage dry-type distribution transformers; (6)
97 torchiere lighting fixtures; (7) traffic signal modules; (8) unit heaters;
98 and (9) any other products as may be designated by the commissioner
99 in accordance with subdivision (3) of subsection (d) of this section.

100 (c) The provisions of this section do not apply to (1) new
101 [appliances] products manufactured in the state and sold outside the
102 state, (2) new [appliances] products manufactured outside the state
103 and sold at wholesale inside the state for final retail sale and
104 installation outside the state, (3) [appliances] products installed in
105 mobile manufactured homes at the time of construction, or (4)
106 [appliances] products designed expressly for installation and use in

107 recreational vehicles.

108 (d) (1) Not later than July 1, [1988] 2005, the secretary, in
109 consultation with the commissioner, shall adopt regulations, in
110 accordance with the provisions of chapter 54, [establishing] to
111 implement the provisions of this section and to establish minimum
112 energy efficiency standards for the types of new [appliances] products
113 set forth in subsection (b) of this section. [The regulations may provide
114 such efficiency standards for various categories and types of such new
115 appliances as the secretary shall determine and may establish new or
116 increased efficiency standards to become effective on and after January
117 1, 1990.] The regulations shall provide for the following minimum
118 energy efficiency standards: (A) Commercial clothes washers shall
119 meet the requirements shown in Table P-3 of section 1605.3 of the
120 California Code of Regulations, Title 20: Division 2, Chapter 4, Article
121 4; (B) commercial refrigerators and freezers shall meet the August 1,
122 2004, requirements shown in Table A-6 of said California regulation;
123 (C) illuminated exit signs shall meet the version 2.0 product
124 specification of the "Energy Star Program Requirements for Exit Signs"
125 developed by the United States Environmental Protection Agency; (D)
126 large packaged air-conditioning equipment shall meet the Tier 2
127 efficiency levels of the "Minimum Equipment Efficiencies for the
128 Unitary Commercial Air Conditioners" and "Minimum Equipment
129 Efficiencies for Heat Pumps" developed by the Consortium for Energy
130 Efficiency that took effect on July 1, 2002; (E) low voltage dry-type
131 distribution transformers shall meet or exceed the energy efficiency
132 values shown in Table 4-2 of the National Electrical Manufacturers
133 Association Standard TP-1-2002; (F) torchiere lighting fixtures shall not
134 consume more than 190 watts and shall not be capable of operating
135 with lamps that total more than 190 watts; (G) traffic signal modules
136 shall meet the product specification of the "Energy Star Program
137 Requirements for Traffic Signals" developed by the United States
138 Environmental Protection Agency that took effect in February, 2001,
139 except where the secretary, in consultation with the Commissioner of
140 Transportation, determines that such specification would compromise

141 safe signal operation; (H) unit heaters shall not have pilot lights and
142 shall have either power venting or an automatic flue damper.

143 (2) Such efficiency standards, where in conflict with the State
144 Building Code, shall take precedence over the standards contained in
145 the Building Code. [After July 1, 1988] Not later than July 1, 2007, and
146 biennially thereafter, the secretary, in consultation with the
147 commissioner, [may] shall review and increase the level of such
148 efficiency standards upon a determination that increased efficiency
149 standards would serve to promote energy conservation in the state and
150 would be cost-effective for consumers who purchase and use such new
151 [appliances] products, provided no such increased efficiency standards
152 shall become effective within one year following the adoption of any
153 amended regulations providing for such increased efficiency
154 standards. [The secretary, in consultation with the commissioner, may
155 adopt such further regulations as necessary to implement the
156 provisions of this section.]

157 (3) The secretary, in consultation with the commissioner, may adopt
158 regulations, in accordance with the provisions of chapter 54, to
159 designate additional products to be subject to the provisions of this
160 section and to establish efficiency standards for such products.

161 (e) On or after July 1, [1988] 2006, except for large packaged air-
162 conditioning equipment, for which the date shall be July 1, 2009, no
163 new [appliance] product of a type set forth in subsection (b) of this
164 section or designated by the commissioner may be sold, offered for
165 sale, or installed in the state unless the energy efficiency of the new
166 [appliance] product meets or exceeds the efficiency standards set forth
167 in such regulations adopted pursuant to subsection (d) of this section.

168 (f) The commissioner, in consultation with the secretary, shall adopt
169 procedures for testing the energy efficiency of the new [appliances
170 covered by] products set forth in subsection (b) of this section or
171 designated by the commissioner if such procedures are not provided
172 for in the State Building Code. The commissioner shall use United

173 States Department of Energy approved test methods, or in the absence
174 of such test methods, other appropriate nationally recognized test
175 methods. The manufacturers of such [appliances] products shall cause
176 samples of such [appliances] products to be tested in accordance with
177 the test procedures adopted pursuant to this subsection or those
178 specified in the State Building Code.

179 (g) Manufacturers of new [appliances covered by] products set forth
180 in subsection (b) of this section or designated by the commissioner
181 shall certify to the commissioner that such [appliances] products are in
182 compliance with the provisions of this section. The commissioner, in
183 consultation with the secretary, shall promulgate regulations
184 governing the certification of such [appliances] products and shall
185 publish an annual list of such [appliances] products.

186 (h) [The commissioner shall cause periodic inspections to be made
187 of distributors or retailers of new appliances covered by subsection (b)
188 of this section in order to determine compliance with the provisions of
189 this section. The commissioner shall cause investigations to be made of
190 complaints received concerning violations of this section and shall
191 report the results of such investigations to the Attorney General.] The
192 Attorney General may institute proceedings to enforce the provisions
193 of this section. Any person who violates any provision of this section
194 shall be subject to a civil penalty of not more than two hundred fifty
195 dollars. Each violation of this section shall constitute a separate
196 offense, and each day that such violation continues shall constitute a
197 separate offense.

This act shall take effect as follows:	
Section 1	July 1, 2004

Statement of Purpose:

To require the Secretary of the Office of Policy and Management to establish, by regulation, minimum energy efficiency standards for certain heating, cooling, lighting and other types of products.

[Proposed deletions are enclosed in brackets. Proposed additions are indicated by underline, except that when the entire text of a bill or resolution or a section of a bill or resolution is new, it is not underlined.]