

MAINE STATE LEGISLATURE

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1 (New Draft of H.P. 566, L.D. 837)
2 FIRST REGULAR SESSION
3

4 ONE HUNDRED AND TWELFTH LEGISLATURE
5

6 Legislative Document

No. 1589

7
8 H.P. 1096

House of Representatives, May 24, 1985

9 Reported by the Majority from the Committee on Energy and Natural
10 Resources and printed under Joint Rule 2. Original bill presented by
11 Representative Cashman of Old Town. Cosponsored by Senator Andrews of
Cumberland, Representative Webster of Cape Elizabeth and Representative
Coles of Harpswell.

EDWIN H. PERT, Clerk

12
13 STATE OF MAINE
14

15 IN THE YEAR OF OUR LORD
16 NINETEEN HUNDRED AND EIGHTY-FIVE
17

18 AN ACT to Establish Minimum Energy Efficiency
19 Standards for Major Appliances Sold in
20 Maine.
21

22 Be it enacted by the People of the State of Maine as
23 follows:

24 Sec. 1. 5 MRSA §5004, sub-§3, ¶10 is enacted to
25 read:

26 0. Administer the state standards for appliance
27 energy efficiency as established by section 5012.

28 Sec. 2.. 5 MRSA §5012 is enacted to read:

29 §5012. State standards for appliance energy effi-
30 ciency

31 1. Definitions. As used in this section, unless
32 the context otherwise indicates, the following terms
33 have the following meanings.

1 A. "ASHRAE Standard" means standards established
2 by the American Society of Heating, Refrigerating
3 and Air-Conditioning Engineers.

4 B. "Manufacturer" means any person or business
5 entity engaged in the original production or as-
6 sembly of an appliance.

7 C. "New appliance" means an appliance that is
8 sold, offered for sale or installed for the first
9 time and specifically includes floor models and
10 demonstration units.

11 D. With respect to "refrigerators," "refrigera-
12 tor-freezers" and "freezers:"

13 (1) "Freezer" means a cabinet designed as a
14 unit for the storage of food at temperatures
15 of about 0° Fahrenheit, having the ability
16 to freeze food and having a source of re-
17 frigeration requiring an energy input;

18 (2) "Refrigerator" means a cabinet designed
19 for the refrigerated storage of food at tem-
20 peratures above 32° Fahrenheit and having a
21 source of refrigeration requiring an energy
22 input. It may include a cabinet with a com-
23 partment for the freezing and storage of
24 food at temperatures below 32° Fahrenheit,
25 but which does not provide a separate low
26 temperature compartment designed for the
27 freezing of and the long-term storage of
28 food at temperatures below 8° Fahrenheit.
29 It has only one exterior door and may have
30 interior doors on compartments; and

31 (3) "Refrigerator-freezer" means a cabinet
32 which consists of 2 or more compartments
33 with at least one of the compartments de-
34 signed for the refrigerated storage of foods
35 at temperatures above 32° Fahrenheit and
36 with at least one of the compartments de-
37 signed for the freezing of and the storage
38 of frozen foods at temperatures of 8° Fahr-
39 enheit or below. The source of refrigera-
40 tion requires energy input.

1 E. With respect to "water heaters:"

2 (1) "Storage-type water heater" means a wa-
3 ter heater that heats and stores water with-
4 in the appliance at a thermostatically con-
5 trolled temperature for delivery on demand.

6 2. Efficiency standards. Efficiency standards
7 shall be determined as follows.

8 A. The following are minimum energy efficiency
9 standards for new residential gas and electric
10 water heaters, oil and gas furnaces and boilers,
11 refrigerators, refrigerator-freezers and
12 freezers. Refrigerators, refrigerator-freezers
13 and freezers shall be certified by the manufac-
14 turer not to exceed the values derived from the
15 appropriate formulae where V is the total
16 refrigerated volume in cubic feet and EC is the
17 energy consumption in kilowatt hours per year:

18	<u>APPLIANCE</u>	<u>STANDARD</u>
19	<u>(1) Refrigerators</u>	
20	<u>Single door,</u>	
21	<u>manual defrost</u>	<u>EC = 395+28V</u>
22	<u>Single door,</u>	
23	<u>automatic</u>	
24	<u>defrost</u>	<u>No standard</u>
25	<u>(2) Refrigerator-freezers</u>	
26	<u>Top freezer,</u>	
27	<u>partial auto-</u>	
28	<u>matic defrost</u>	<u>EC = 378+43V</u>
29	<u>Top freezer,</u>	
30	<u>automatic</u>	
31	<u>defrost</u>	<u>EC = 378+43V</u>
32	<u>Bottom freezer,</u>	
33	<u>automatic</u>	
34	<u>defrost</u>	<u>No standard</u>
35	<u>Side-by-side,</u>	
36	<u>automatic</u>	
37	<u>defrost</u>	<u>EC = 565+52V</u>
38	<u>(3) Freezers</u>	

1	<u>Upright, manual</u>	
2	<u>defrost, be-</u>	
3	<u>tween 11.5 and</u>	
4	<u>21.4 cubic feet</u>	
5	<u>in volume</u>	<u>EC = 289-37V</u>
6	<u>Upright, auto-</u>	
7	<u>matic defrost</u>	<u>No standard</u>
8	<u>Chest, manual</u>	
9	<u>defrost</u>	<u>EC = 315+32V</u>
10	<u>(4) Water heaters</u>	
11	<u>Electric</u>	<u>ASHRAE Stan-</u>
12		<u>dard 90A-1980</u>
13		<u>Section 7</u>
14	<u>Gas</u>	<u>ASHRAE Stan-</u>
15		<u>dard 90A-1980</u>
16		<u>Section 7</u>
17	<u>(5) Furnaces and boilers</u>	
18	<u>Oil</u>	<u>No standard</u>
19	<u>Gas</u>	<u>No continuous</u>
20		<u>burning pilot</u>
21		<u>lights</u>
22	<u>B. The following residential appliances are cov-</u>	
23	<u>ered by this section:</u>	
24	<u>(1) Only storage-type water heaters;</u>	
25	<u>(2) Gas furnaces and boilers; and</u>	
26	<u>(3) Refrigerators, refrigerator-freezers</u>	
27	<u>and freezers which can be operated by alter-</u>	
28	<u>nating current electricity, excluding the</u>	
29	<u>following types:</u>	
30	<u>(a) Those with total refrigerated vol-</u>	
31	<u>ume exceeding 39 cubic feet;</u>	
32	<u>(b) Those designed to be used without</u>	
33	<u>doors;</u>	
34	<u>(c) Those which do not include a com-</u>	
35	<u>pressor and a condenser unit as an in-</u>	
36	<u>tegral part of the cabinet assembly;</u>	
37	<u>and</u>	

1 (d) Those with "through the door" fea-
2 tures.

3 C. This section does not apply to:

4 (1) New residential appliances manufactured
5 in the State and sold outside the State;

6 (2) New appliances manufactured outside the
7 State and sold at wholesale in the State for
8 final retail sale and installation outside
9 the State;

10 (3) Appliances installed in mobile homes at
11 the time of construction;

12 (4) Appliances designed expressly for in-
13 stallation and use in recreational vehicles
14 or other equipment designed for regular mo-
15 bile use; and

16 (5) Appliances purchased outside of the
17 State by Maine residents when the appliance
18 is installed for use by the purchaser or in-
19 stalled in a single family, detached struc-
20 ture.

21 3. Prohibitions. No new appliance may be sold,
22 offered for sale or installed in the State on or af-
23 ter January 1, 1988, unless it is certified by the
24 manufacturer to be in compliance with the standards
25 adopted under subsection 2 or unless there is no
26 state standard adopted for that type of appliance.

27 4. Test methods. The manufacturer shall cause
28 the testing of samples of each model of each residen-
29 tial appliance covered by this section. The Office
30 of Energy Resources shall use the United States De-
31 partment of Energy approved test methods or, in the
32 absence of those test methods, other appropriate na-
33 tionally recognized test methods applicable to the
34 respective appliances.

35 5. Office of Energy Resources. In order to re-
36 duce the wasteful, uneconomic, inefficient or unnec-
37 essary consumption of energy, the Office of Energy
38 Resources shall:

