

HOUSE No.

The Commonwealth of Massachusetts

PRESENTED BY:

Frank I. Smizik

To the Honorable Senate and House of Representatives of the Commonwealth of Massachusetts in General Court assembled:

The undersigned legislators and/or citizens respectfully petition for the passage of the accompanying bill:

AN ACT RELATIVE TO MERCURY ADDED THERMOSTATS.

PETITION OF:

NAME:	DISTRICT/ADDRESS:
Frank I. Smizik	15th Norfolk
William N. Brownsberger	24th Middlesex
Peter v. Kocot	1st Hampshire
Stephen Kulik	1st Franklin
Barbara A. L'Italien	18th Essex
Matthew C. Patrick	3rd Barnstable
Sarah K. Peake	4th Barnstable
Denise Provost	27th Middlesex
Michael F. Rush	10th Suffolk
Tom Sannicandro	7th Middlesex
Joyce A. Spiliotis	12th Essex
Ellen Story	3rd Hampshire

The Commonwealth of Massachusetts

In the Year Two Thousand and Nine

AN ACT RELATIVE TO MERCURY ADDED THERMOSTATS.

1 *Whereas*, the Mercury Management Act, Chapter 190 of the Acts of 2006, prohibited the sale of
2 mercury-added thermostats as of May 1, 2008 and prohibited their disposal.

3 *Whereas*, according to a 2004 study by the U.S. Environmental Protection Agency, titled
4 “International Mercury Market Study and the Role and Impact of U.S. Environmental Policy,” more than
5 10 percent of the estimated mercury reservoir in the United States is in thermostats.

6 *Whereas*, in 2000, thermostat manufacturers General Electric, Honeywell, and White Rodgers
7 established the Thermostat Recycling Corporation (TRC) that runs the program for collecting
8 mercury-containing thermostat discarded in Vermont. Under the TRC program, thermostat wholesalers
9 volunteer to place bins where heating, ventilation, and air-conditioning (HVAC) contractors can discard
10 thermostats.

11 *Whereas*, the June 2008 report by the New England Waste Managers Association (NEWMOA) on
12 thermostat collection in New England found that only about 6% of discarded mercury-added
13 thermostats are recycled in Massachusetts.

14 *Whereas*, the cost for collection and recycling of mercury-added thermostats are now borne by
15 cities and towns, who need those funds for other municipal programs.

16 *Wherefore*, the Great and General court finds that the collection and recycling of discarded
17 mercury thermostats should be paid for by the manufacturers of these products.

18
19 *Be it enacted by the Senate and House of Representatives in General Court assembled, and by the*
20 *authority of the same, as follows:*

21
22 SECTION 1. Section 2 of chapter 21H of the General Laws, as appearing in the 2006 Official Edition, is
23 hereby amended by inserting, after the definition of “Tipping fee” the following definitions:-

24
25 “Thermostat manufacturer” means any person, firm, association, partnership, corporation,
26 governmental entity, organization, combination, or joint venture that (i) produces a thermostat in the
27 United States of America, or (ii) serves as an importer or domestic distributor of a thermostat produced
28 outside the United States of America.

29

30 “Thermostat retailer” means a person who sells thermostats of any kind directly to homeowners or
31 other nonprofessionals in the commonwealth through any selling or distribution mechanism. A retailer
32 may also be a wholesaler if it meets the definition of wholesaler.

33
34 “Thermostat wholesaler” means a person that is engaged in the distribution and wholesale sale of
35 heating, ventilation, and air-conditioning components to contractors who install heating, ventilation,
36 and air-conditioning components.

37
38 SECTION 3. Section 6D of chapter 21H of the General Laws, as appearing in the 2006 Official Edition, is
39 hereby amended by inserting, after paragraph (c) the following paragraphs :-

40
41 (d) Not later than July 1, 2010, every thermostat manufacturer shall, individually or as a group, develop
42 and file with the department and implement a plan that describes the proper collection of mercury-
43 added thermostats in accordance with chapter 21C and the department’s regulations concerning
44 hazardous waste.

45
46 (e) Said plans shall accomplish the following:

47 (1) An effective education and outreach program shall be developed and shall be directed
48 toward wholesalers, retailers, contractors, and homeowners. There shall be no cost to thermostat
49 wholesalers or thermostat retailers for education and outreach materials.

50 (2) Handling and recycling of mercury-added thermostats shall be consistent with the
51 provisions of the universal waste rules.

52 (3) Containers for mercury-added thermostat collection shall be provided to all thermostat
53 wholesalers. The cost to thermostat wholesalers shall be limited to an initial, reasonable one-time fee
54 per container as specified in the plan.

55 (4) Collection systems shall be provided to all collection points. Collection systems may
56 include individual product mail-back or multiple collection containers. The cost to registered collection
57 points shall be limited to an initial, reasonable one-time fee per container as specified in the plan.

58 (5) A financial incentive shall be established with a minimum value of \$5.00 for the return of
59 each mercury-added thermostat to a thermostat wholesaler by a contractor or service technician. The
60 financial incentive shall be in the form of cash or coupons that are redeemable by the contractor or
61 service technician.

62 (6) A financial incentive shall be established with a minimum value of \$5.00 to homeowners or
63 nonprofessionals for the return of each mercury-added thermostat to a collection point registered with
64 the department. The financial incentive shall be in the form of cash or in the form of a coupon that may
65 be redeemed for cash from the manufacturer or may be redeemed for a credit toward purchase of
66 general merchandise in the retail location where the thermostat was returned.

67
68 (f) Beginning in 2011, every thermostat manufacturer shall submit an annual report to the department
69 by April 1 of each year that includes, at a minimum, the following information:

70 (1) The number of mercury-added thermostats collected and recycled by that manufacturer
71 during the previous calendar year.

72 (2) The estimated total amount of mercury contained in the thermostat components collected
73 by that manufacturer in the previous calendar year.

74 (3) An evaluation of the effectiveness of the manufacturer’s collection program and the
75 financial incentive.

76 (4) An accounting of the administrative costs incurred in the course of administering the
77 collection and recycling program and the financial incentive plan.

78
79 (g) Department responsibilities.

80 (1) Within 60 days of receipt of a complete application from a manufacturer, the department
81 shall review and may grant, deny, or approve with modifications a manufacturer plan required by
82 paragraph (e) of this section. The department shall not approve a plan unless all elements of paragraph
83 (e) are adequately addressed. In reviewing a plan, the department may consider consistency of the plan
84 with collection and financial incentive requirements in other states and consider consistency between
85 manufacturer collection programs. In reviewing plans, the department shall ensure that education and
86 outreach programs are uniform and consistent to ensure ease of implementation by thermostat
87 wholesalers and thermostat retailers.

88 (2) The department shall establish a process under which a plan submitted by a manufacturer is,
89 prior to plan approval, available for public review and comment for 30 days. The department shall
90 consult with interested persons, including representatives from thermostat manufacturers,
91 environmental groups, thermostat wholesalers, thermostat retailers, service contractors, municipalities,
92 and solid waste districts.

93 (3) Registered collection points. The department shall maintain and post online a list of
94 municipalities, solid waste districts, and thermostat retailers who wish to register as collection points for
95 mercury thermostats.

96 (4) Report. Not later than January 15, 2011, and annually thereafter, the department shall submit
97 a report on the collection and recycling of mercury-added thermostats in the state to the joint
98 committee on the environment, natural resources and agriculture. The first annual report shall include
99 a description and discussion of the financial incentive plan established under this section and
100 recommendations for any statutory changes concerning the collection and recycling of mercury-added
101 thermostats. Subsequent reports must include an evaluation of the effectiveness of the thermostat
102 collection and recycling programs established under this section, information on actual collection rates,
103 and recommendations for any statutory changes needed to improve the collection and recycling of
104 mercury-added thermostats. These reporting requirements may be combined with other reports on
105 mercury that the department is required to provide to the legislature.

106 (5) Rate of collection. By July 1, 2010, the department shall estimate the number of
107 out-of-service thermostats generated in Massachusetts on an annual basis, in consultation with
108 interested persons, including representatives from thermostat manufacturers, thermostat wholesalers,
109 thermostat retailers, service contractors, environmental groups, municipalities, and solid waste districts.
110 Beginning July 1, 2011, should collection efforts fail to result in the collection and recycling of at least 65
111 percent of the out-of-service mercury-added thermostats in the state, the department shall, in
112 consultation with interested persons, require modifications to manufacturers' collection plans in an
113 attempt to improve collection rates in accordance with these goals.

114 (6) The department shall evaluate the compliance of all persons subject to this section by
115 conducting audits, inspections or implementing other compliance measures it considers appropriate.

116 (h) After the plan is approved by the department, each thermostat manufacturer shall certify to the
117 department, in writing on an annual basis, that it is implementing the plan in accordance with this
118 section.

119
120 (i) Not later than January 1, 2010, thermostat manufacturers shall provide the department with the
121 number of mercury-added thermostats in the commonwealth in calendar year 2005 and the projected

122 numbers in the commonwealth for each calendar year thereafter until 2030.

123

124 (j) Thermostat manufacturers who have never sold mercury-added thermostats in Massachusetts shall
125 be exempt from this section.

126

127 (k) Thermostat wholesaler and thermostat retailer responsibilities.

128 (1) Not later than July 1, 2010, a thermostat wholesaler shall not offer for final sale, sell at final
129 sale, or distribute thermostats unless the wholesaler:

130 (A) acts as a collection site for thermostats that contain mercury; and

131 (B) promotes and utilizes the collection containers provided by thermostat manufacturers to
132 facilitate a contractor collection program as established by this section, and all other tasks as needed to
133 establish and maintain a cost-effective manufacturer collection and financial incentive program.

134 (2) Not later than July 1, 2010, a thermostat retailer shall not offer for final sale, sell, or distribute
135 thermostats in the state unless the thermostat retailer participates in an education and outreach
136 program to educate consumers about the collection program for mercury thermostats.

137

138 (l) Sales prohibition. Beginning July 1, 2010, the following sales prohibitions shall apply to
139 manufacturers, thermostat wholesalers, and thermostat retailers:

140 (1) A manufacturer not in compliance with this section shall be prohibited from offering any
141 thermostat for final sale in the commonwealth, selling any thermostat at final sale in the
142 commonwealth, or distributing any thermostat in the commonwealth. A manufacturer not in
143 compliance with this section shall provide the necessary support to thermostat wholesalers and
144 thermostat retailers to ensure the manufacturer's thermostats are not offered for final sale, sold at final
145 sale, or distributed in the commonwealth.

146 (2) A thermostat wholesaler or thermostat retailer shall not offer for final sale, sell at final sale, or
147 distribute in the commonwealth any thermostat of a manufacturer that is not in compliance with this
148 section.