

**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 to promote the REDUCTION OF GREEN HOUSE GAS EMISSIONS AND TO REDUCE THE USE OF FOSSIL FUELS FOR VEHICLES in the Commonwealth.**

PETITION OF:

NAME:	DISTRICT/ADDRESS:
Frank I. Smizik	15th Norfolk
William N. Brownsberger	24th Middlesex
Steven J. D'Amico	4th Bristol
Jay R. Kaufman	15th Middlesex
Barbara A. L'Italien	18th Essex
Sarah K. Peake	4th Barnstable
Denise Provost	27th Middlesex
Michael F. Rush	10th Suffolk
Tom Sannicandro	7th Middlesex
Ellen Story	3rd Hampshire
Alice K. Wolf	25th Middlesex

# The Commonwealth of Massachusetts

\_\_\_\_\_  
In the Year Two Thousand and Nine  
\_\_\_\_\_

## AN ACT TO PROMOTE THE REDUCTION OF GREEN HOUSE GAS EMISSIONS AND TO REDUCE THE USE OF FOSSIL FUELS FOR VEHICLES IN THE COMMONWEALTH.

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

1 SECTION 1. Chapter 25A of the General Laws is hereby amended by inserting after Section 12 the  
2 following new section:

3

4 SECTION 13. Clean Vehicle Incentive Program

5

6 One. Definitions: For the purposes of this chapter the following words shall have the following  
7 meanings:—

8 (a) “Carbon dioxide equivalent” means a metric, as determined by the Executive Office of Energy and  
9 Environmental Affairs (EOEEA), used to compare or identify the emissions from various greenhouse  
10 gases based upon their global warming potential derived by multiplying the tons of the gas by the  
11 associated global warming potential.

12 (b) “Global Warming Potential” means a measure of the relative radiative effect of a given substance  
13 compared to carbon dioxide, integrated over a time horizon of 100 years, as determined by the most  
14 recent Assessment Report from the United Nations Intergovernmental Panel on Climate Change.

15 (c) "Greenhouse gas factor" means a percentage, as determined by EOEEA, assigned to carbon dioxide  
16 equivalent emissions per mile from a motor vehicle. At the discretion of the EOEEA, this may be  
17 expressed in percentage divided by grams of carbon dioxide equivalent per mile (%/g CO<sub>2</sub>-eq/mi).

18 (d) "Greenhouse gases" means carbon dioxide, hydrofluorocarbons, methane, oxides of nitrogen,  
19 perfluorocarbons, and sulfur hexafluoride, and any other gases that the EOEEA determines contributes  
20 significantly to global warming.

21 (e) "Motor vehicle" and "vehicle" means a passenger vehicle, light-duty truck, or any other vehicle that is  
22 required to be registered under Chapter 90 Section 2 of the General Laws.

23 (f) "Program" means the Clean Vehicle Incentive Program established pursuant to this act.

24 (g) "Zero band" means that portion of a linear scale of rebates and surcharges in which vehicles are  
25 assigned neither a rebate nor a surcharge.

26

27 Two. No later than July 1, 2009, the EOEEA, in consultation with those other agencies that it determines  
28 are appropriate, shall adopt regulations to create and implement a clean vehicle incentive program as  
29 described in this act and thereafter it shall administer this program.

30 (a) The regulations shall establish a schedule of clean vehicle rebates and emissions surcharges for all  
31 new motor vehicles sold after July 1, 2010.

32 (b) The schedule of rebates and surcharges shall take effect July 1, 2010, and shall apply to motor  
33 vehicles with the 2011 model year and each model year thereafter.

34

35 Three. The EOEEA shall calculate, using a linear scale, the rebate or surcharge to be applied to any motor  
36 vehicle subject to the program based on the vehicle's emissions of greenhouse gases, compared to the  
37 greenhouse gas emissions of all vehicles of the same model year that are subject to the program. To  
38 calculate the rebate or surcharge, as a percentage of the Manufacturer's Suggested Retail Price (MSRP),  
39 the EOEEA shall determine the difference between a motor vehicle's emissions of greenhouse gases, and  
40 the average emissions of greenhouse gases of all vehicles subject to the program, for a given model year.  
41 The difference identified for each vehicle based on emissions of greenhouse gases shall be multiplied by a  
42 greenhouse gas factor, to determine the rebate or surcharge percentage attributed to emissions of  
43 greenhouse gases. This percentage shall be multiplied by the vehicle's MSRP to determine the value of

44 the rebate or surcharge. Based on these calculations the EOEEA shall assign a rebate or surcharge to  
45 every motor vehicle subject to this program that reflects its relative emissions of greenhouse gases,  
46 compared to all vehicles for the same model year that are subject to the program, and subject to all of the  
47 following:

48 (a) The EOEEA shall establish a zero band that includes the midpoint of the linear scale and includes not  
49 less than 20 percent, nor more than 25 percent, of the fleet of a given model year. Motor vehicles that fall  
50 within the zero band shall not be assigned a rebate or a surcharge. The zero band shall be designed,  
51 placed, and adjusted along the linear scale to ensure that vehicle buyers continue to have a variety of  
52 choices among multiple vehicle types, including light trucks, that are not assigned a surcharge.

53 (b) The schedule of rebates and surcharges shall be designed to ensure that the program will be self-  
54 financing and will generate adequate revenues to do all the following:

55 (1) Fund the cost of all rebates and surcharge refunds associated with the program.

56 (2) Fund all administrative costs associated with the program.

57 (3) Provide for a reserve within the program equal to approximately 15 percent of estimated rebates to  
58 ensure the account, to the extent possible, will have a positive balance at the end of each fiscal year.

59 (c) Once the schedule of rebates and surcharges are set for vehicles in a specified model year, the  
60 schedule may be adjusted no more than once per model year to meet the requirements of this section. Any  
61 adjustments pursuant to this section shall become operative on the first day of the first month that  
62 commences at least 90 days after the EOEEA formally adopts the adjustment to the schedule.

63 (d) The EOEEA shall make annual adjustments to the schedule of surcharges and rebates, and the  
64 placement of the zero band, based on recent and anticipated changes in motor vehicle sales to ensure that  
65 the program continues to generate adequate revenues to meet the requirements of this section.

66 (e) The schedule of rebates and surcharges, as adjusted annually, shall take effect no earlier than July 1 of  
67 each subsequent year, and be applied to new vehicles of the next model year accordingly.

68 (f) The maximum rebate and surcharge shall be 10%.

69

70 Four. The rebates and surcharges adopted under this section by the EOEEA shall be assigned to the price  
71 of the motor vehicle after applicable taxes have been added. Sales taxes shall not have an effect on the

72 assigned rebate or surcharge. Any Massachusetts resident who purchases a new motor vehicle at a retail  
73 sale in Massachusetts shall receive a clean vehicle rebate for the purchase on or after July 1, 2010, of a  
74 new motor vehicle of model year 2011 or later, determined by the EOEEA to be eligible for a rebate in  
75 the amount assigned by the EOEEA pursuant to regulations adopted under this act.

76 (a) The dealer shall clearly display on the vehicle the amount of the rebate or fee owed, and indicate the  
77 amount on the purchase receipt and sales contract or lease agreement as applicable for each vehicle  
78 available for sale or lease at the dealership.

79 (b) In order to receive the rebate, the motor vehicle owner shall file a claim through the dealer at the time  
80 of purchase.

81 (c) The dealer shall facilitate and accept these claims from the new motor vehicle owner and shall submit  
82 these claims to the Registry of Motor Vehicles (RMV) on a form prescribed by the EOEEA.

83 (d) Any Massachusetts resident who purchases a new motor vehicle outside of the state that would  
84 otherwise have been subject to an emissions surcharge shall pay the surcharge when the resident returns  
85 to Massachusetts with the vehicle within 90 days and registers or is required to register the motor vehicle.

86 (e) The surcharge shall be paid to the RMV at the time of the vehicle's initial registration. The EOEEA  
87 and the RMV shall cooperate to develop procedures to implement the Program.

88 (f) Vehicles purchased outside of Massachusetts shall not be eligible for a rebate.

89 (g) Any Massachusetts resident who leases from a dealer a new motor vehicle, otherwise subject to an  
90 emissions surcharge, for a term of one year or more, shall be assessed and shall pay the surcharge, but  
91 may amortize the surcharge over the life of the lease. Any Massachusetts resident who leases from a  
92 dealer a new motor vehicle, otherwise subject to a rebate, for a term of one year or more shall qualify for  
93 and receive the rebate.

94 (h) The RMV shall collect all surcharges and pay all rebates assessed under this section.

95 (i) Not later than May 1, 2010, the EOEEA shall make available to the public the schedule of rebates and  
96 surcharges applicable in the fiscal year following their publication. The updated schedule shall be made  
97 available to the public at the time when it is updated.

98 (j) The EOEEA shall disseminate information to dealers and consumers about the program.

99 (k) The EOEEA may regularly collect adequate data from motor vehicle manufacturers to calculate a

100 vehicle's emissions of greenhouse gases to carry out the provisions of this act. This act does not require  
101 the board to conduct additional vehicle testing to make the determinations required by this act.

102 (l) In adopting regulations pursuant to this section, the EOEEA shall determine a manner to account for  
103 vehicles that run on an alternative fuel.