

111TH CONGRESS  
1ST SESSION

# H. R. 1622

To provide for a program of research, development, and demonstration on natural gas vehicles.

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## IN THE HOUSE OF REPRESENTATIVES

MARCH 19, 2009

Mr. SULLIVAN (for himself, Mr. HALL of Texas, Mr. GENE GREEN of Texas, and Mr. BOREN) introduced the following bill; which was referred to the Committee on Science and Technology

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## A BILL

To provide for a program of research, development, and demonstration on natural gas vehicles.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. NATURAL GAS VEHICLE RESEARCH, DEVELOP-**  
4 **MENT, AND DEMONSTRATION PROJECTS.**

5 (a) IN GENERAL.—The Secretary of Energy shall  
6 conduct a 5-year program of natural gas vehicle research,  
7 development, and demonstration. The Secretary shall co-  
8 ordinate with the Administrator of the Environmental  
9 Protection Agency, as necessary.

1 (b) PURPOSE.—The program under this section shall  
2 focus on—

3 (1) the continued improvement and develop-  
4 ment of new, cleaner, more efficient light-duty, me-  
5 dium-duty, and heavy-duty natural gas vehicle en-  
6 gines;

7 (2) the integration of those engines into light-  
8 duty, medium-duty, and heavy-duty natural gas vehi-  
9 cles for onroad and offroad applications;

10 (3) expanding product availability by assisting  
11 manufacturers with the certification of the engines  
12 or vehicles described in paragraph (1) or (2) to Fed-  
13 eral or California certification requirements and in-  
14 use emission standards;

15 (4) the demonstration and proper operation and  
16 use of the vehicles described in paragraph (2) under  
17 all operating conditions;

18 (5) the development and improvement of na-  
19 tionally recognized codes and standards for the con-  
20 tinued safe operation of natural gas vehicles and  
21 their components;

22 (6) improvement in the reliability and efficiency  
23 of natural gas fueling station infrastructure;

1           (7) the certification of natural gas fueling sta-  
2           tion infrastructure to nationally recognized and in-  
3           dustry safety standards;

4           (8) the improvement in the reliability and effi-  
5           ciency of onboard natural gas fuel storage systems;

6           (9) the development of new natural gas fuel  
7           storage materials;

8           (10) the certification of onboard natural gas  
9           fuel storage systems to nationally recognized and in-  
10          dustry safety standards; and

11          (11) the use of natural gas engines in hybrid  
12          vehicles.

13          (c) CERTIFICATION OF CONVERSION SYSTEMS.—The  
14          Secretary shall coordinate with the Administrator on  
15          issues related to streamlining the certification of natural  
16          gas conversion systems to the appropriate Federal certifi-  
17          cation requirements and in-use emission standards.

18          (d) COOPERATION AND COORDINATION WITH INDUS-  
19          TRY.—In developing and carrying out the program under  
20          this section, the Secretary shall coordinate with the nat-  
21          ural gas vehicle industry to ensure cooperation between  
22          the public and the private sector.

23          (e) CONDUCT OF PROGRAM.—The program under  
24          this section shall be conducted in accordance with sections  
25          3001 and 3002 of the Energy Policy Act of 1992.

1 (f) REPORT.—Not later than 2 years after the date  
2 of enactment of this Act, the Secretary shall provide a re-  
3 port to Congress on the implementation of this section.

4 (g) AUTHORIZATION OF APPROPRIATIONS.—There  
5 are authorized to be appropriated to the Secretary  
6 \$30,000,000 for each of the fiscal years 2010 through  
7 2014 to carry out this section.

8 (h) DEFINITION.—For purposes of this section, the  
9 term “natural gas” means compressed natural gas, lique-  
10 fied natural gas, biomethane, and mixtures of hydrogen  
11 and methane or natural gas.

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