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(Original Signature of Member)

111TH CONGRESS
1ST SESSION

H. R.

To establish a program to deploy and integrate plug-in electric drive vehicles
in multiple regions.

IN THE HOUSE OF REPRESENTATIVES

Ms. ESHOO introduced the following bill; which was referred to the Committee
on _____

A BILL

To establish a program to deploy and integrate plug-in
electric drive vehicles in multiple regions.

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. LARGE-SCALE VEHICLE ELECTRIFICATION**
4 **PROGRAM.**

5 (a) DEPLOYMENT PROGRAM.—The Secretary of En-
6 ergy shall establish a program to deploy and integrate
7 plug-in electric drive vehicles in multiple regions. In car-
8 rying out the program, the Secretary may provide finan-
9 cial assistance described under subsection (d), consistent

1 with the goals under subsection (b). The Secretary shall
2 select regions based upon applications for assistance re-
3 ceived pursuant to subsection (c).

4 (b) GOALS.—The goals of the program established
5 pursuant to subsection (a) shall be—

6 (1) to demonstrate the viability of a vehicle-
7 based transportation system that is not overly de-
8 pendent on petroleum as a fuel and contributes to
9 lower carbon emissions than a system based on con-
10 ventional vehicles;

11 (2) to facilitate the integration of advanced ve-
12 hicle technologies into electricity distribution areas
13 to improve system performance and reliability;

14 (3) to demonstrate the potential benefits of co-
15 ordinated investments in vehicle electrification on
16 personal mobility and a regional grid;

17 (4) to demonstrate protocols and standards that
18 facilitate vehicle integration into the grid; and

19 (5) to investigate differences in each region and
20 regulatory environment regarding best practices in
21 implementing vehicle electrification.

22 (c) APPLICATIONS.—Any State or local government
23 (or group of State or local governments) may apply to the
24 Secretary of Energy for financial assistance in furthering
25 the regional deployment of plug-in electric drive vehicles.

1 Such applications may be jointly sponsored by electric util-
2 ities, automobile manufacturers, technology providers, car
3 sharing companies or organizations, or other persons or
4 entities.

5 (d) USE OF FUNDS.—Pursuant to applications re-
6 ceived under subsection (c), the Secretary may make fi-
7 nancial assistance available to any applicant or joint spon-
8 sor of the application to be used for any of the following:

9 (1) Assisting persons located in the regional de-
10 ployment area, including fleet owners, in the pur-
11 chase of new plug-in electric drive vehicles by offset-
12 ting in whole or in part the incremental cost of such
13 vehicles above the cost of comparable conventionally
14 fueled vehicles.

15 (2) Supporting the use of plug-in electric drive
16 vehicles by funding projects for the deployment of
17 any of the following:

18 (A) Electrical charging stations for plug-in
19 electric drive vehicles, including battery ex-
20 change, fast charging infrastructure, and other
21 services, in public or private locations, including
22 street parking, parking garages, parking lots,
23 homes, gas stations, and highway rest stops.

1 (B) Smart grid equipment and infrastruc-
2 ture to facilitate the charging and integration of
3 plug-in electric drive vehicles.

4 (3) Such other projects as the Secretary deter-
5 mines appropriate to support the large-scale deploy-
6 ment of plug-in electric drive vehicles in regional de-
7 ployment areas.

8 (e) PROGRAM REQUIREMENTS.—The Secretary shall
9 determine design elements and requirements of the pro-
10 gram established pursuant to subsection (a), including—

11 (1) the type of financial mechanism with which
12 to provide financial assistance;

13 (2) criteria for evaluating applications sub-
14 mitted under subsection (e), including the antici-
15 pated ability to promote deployment and market
16 penetration of vehicles that are less dependent on
17 petroleum as fuel source; and

18 (3) reporting requirements for entities that re-
19 ceive financial assistance under this section, includ-
20 ing a comprehensive set of performance data charac-
21 terizing the results of the deployment program.

22 (f) INFORMATION CLEARINGHOUSE.—The Secretary
23 shall, as part of the program established pursuant to sub-
24 section (a), collect and make available to the public infor-
25 mation regarding the cost, performance, and other tech-

1 nical data regarding the deployment and integration of
2 plug-in electric drive vehicles.

3 (g) AUTHORIZATION.—There are authorized to be ap-
4 propriated to carry out this section, such sums as may
5 be necessary.