

103^D CONGRESS
1ST SESSION

H. R. 2560

To establish a program in the Department of Defense to promote and demonstrate electric vehicle and infrastructure development for military and civilian use.

IN THE HOUSE OF REPRESENTATIVES

JUNE 29, 1993

Mr. FAZIO (for himself and Ms. HARMAN) introduced the following bill; which was referred jointly to the Committees on Armed Services and Science, Space, and Technology

A BILL

To establish a program in the Department of Defense to promote and demonstrate electric vehicle and infrastructure development for military and civilian use.

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. DEFINITIONS.**

4 For purposes of this Act:

5 (1) The term “electric vehicle and infrastruc-
6 ture demonstration” and “demonstration” mean a
7 demonstration project established pursuant to sec-
8 tion 3.

1 (2) The term “infrastructure and support sys-
2 tems”, has the meaning given such term in section
3 601(7) of the Energy Policy Act of 1992 (Public
4 Law 102–486).

5 (3) The term “electric motor vehicle” means a
6 motor vehicle manufactured primarily for use on
7 public streets, roads, and highways (not including a
8 vehicle operated exclusively on a rail or rails) which
9 is primarily powered by an electric motor that draws
10 current from rechargeable storage batteries, fuel
11 cells, photovoltaic arrays or other sources of elec-
12 trical current and may include an electric hybrid ve-
13 hicle as that term is defined in section 601(5) of the
14 Energy Policy Act of 1992 (Public Law 102–486):
15 *Provided however,* That the term shall include vehi-
16 cles designed for low/moderate speed road use.

17 (4) The term “eligible metropolitan area”
18 means any Metropolitan Area (as such term is de-
19 fined by the Office of Management and Budget pur-
20 suant to section 3504 of title 44, United States
21 Code) with a 1980 population of two hundred and
22 fifty thousand or more that has been designated by
23 a proposer and the Secretary for a demonstration
24 project under this Act.

25 (5) The term “manufacturer” means—

1 (A) an original equipment manufacturer
2 which is substantially involved in the production
3 of motor vehicles for sale in the United States;

4 (B) a person manufacturing in the United
5 States an electric motor vehicle; or

6 (C) a person converting a vehicle to use
7 electricity if after conversion, the original equip-
8 ment manufacturer's warranty continues to
9 apply to such vehicle, pursuant to an agreement
10 between the original equipment manufacturer
11 and the person performing the conversion, or
12 the person performing the conversion provides a
13 warranty for the vehicle equivalent to the war-
14 ranty of the original equipment manufacturer.

15 (6) The term "person" means—

16 (A) an individual possessing United States
17 citizenship;

18 (B) a corporation incorporated under the
19 laws of a State; or

20 (C) a joint venture or partnership orga-
21 nized under the laws of a State, each partici-
22 pant of which is an individual or corporation
23 described in subparagraph (A) or (B).

1 (7) The term “non-Federal person” has the
2 meaning given such term in section 601(9) of the
3 Energy Policy Act of 1992 (Public Law 102–486).

4 (8) The term “Secretary” means the Secretary
5 of Defense.

6 **SEC. 2. ELECTRIC VEHICLE PROGRAM.**

7 (a) ESTABLISHMENT OF PROGRAM.—The Secretary
8 shall carry out a program to demonstrate, for military and
9 civilian use, electric motor vehicles and associated infra-
10 structure and support systems for such vehicles in one or
11 more eligible metropolitan areas. Such demonstrations
12 shall be designed to demonstrate——

13 (1) the performance of electric motor vehicles in
14 field operations, including fleet operations;

15 (2) the infrastructure necessary to support the
16 operation and maintenance of a wide range of types
17 of electric motor vehicles; or

18 (3) both such vehicles and the associated infra-
19 structure and support systems.

20 (b) LOCATION OF DEMONSTRATIONS.—Subject to the
21 special considerations specified in section 4(b), the dem-
22 onstrations shall be geographically dispersed in eligible
23 metropolitan areas of the United States.

24 (c) OVERSIGHT AND COORDINATION.—The Secretary
25 shall assign oversight and coordination of the demonstra-

1 tion program authorized by this Act to the Advanced
2 Research Projects Agency.

3 (d) TERM OF DEMONSTRATION.—A demonstration
4 established under this section may receive financial assist-
5 ance from the Secretary for not more than four years. A
6 single demonstration may not receive more than 25 per
7 centum of the funds appropriated pursuant to the author-
8 ization of appropriations contained in section 5.

9 **SEC. 3. APPLICATIONS.**

10 (a) SOLICITATION.—Not later than May 1, 1994, the
11 Secretary shall request proposals for electric vehicle and
12 infrastructure demonstrations, and such proposals are to
13 be submitted to the Secretary by no later than September
14 1, 1994.

15 (b) CONTENT OF PROPOSAL.—A proposal submitted
16 under subsection (a) shall contain such information as the
17 Secretary may require, including a description of—

18 (1) the person or non-Federal person submit-
19 ting the proposal and the qualifications and capabili-
20 ties of such proposer, directly or indirectly, to insure
21 that electric motor vehicles, if any, included in the
22 demonstration are serviced and maintained in order
23 for such vehicles to operate as proposed for the du-
24 ration of the demonstration;

1 (2) manufacturers of the electric motor vehicles
2 to be involved with the demonstration;

3 (3) the proposed users;

4 (4) the type of infrastructure and support sys-
5 tems development to be undertaken and dem-
6 onstrated;

7 (5) the number of electric motor vehicles, which
8 shall be no fewer than fifty, to be demonstrated and
9 their type, characteristics, and costs; and

10 (6) the eligible metropolitan area where the
11 demonstration is to be conducted.

12 (c) COST SHARE.—To be eligible for selection, the
13 person or non-Federal person submitting a proposal shall
14 agree to make non-Federal contributions, directly or indi-
15 rectly, equal to at least 50 per centum of the costs associ-
16 ated with the demonstration: *Provided*, That the proposer
17 shall seek no greater than \$10,000 per vehicle cost share
18 from the Secretary except that such cost-share limitation
19 is not applicable in that instance where the gross vehicle
20 weight rating of the electric motor vehicle exceeds eight
21 thousand five hundred pounds: *Provided further*, That
22 such cost-share requirement shall be no greater than 20
23 per centum of the cost associated with that portion of any
24 demonstration that includes research and development, as
25 described in section 4(b)(5).

1 **SEC. 4. SELECTION OF PROPOSALS.**

2 (a) SELECTION.—Not later than December 1, 1994,
3 the Secretary shall select at least one, but not more than
4 ten, proposals submitted under section 3 to receive finan-
5 cial assistance under this Act. The proposals shall be se-
6 lected by the Secretary on a competitive basis after con-
7 sulting with the Secretary of Energy, the Secretary of
8 Transportation, the Secretary of Commerce, and the Ad-
9 ministrator of the Environmental Protection Agency.

10 (b) SPECIAL CONSIDERATIONS.—In selecting dem-
11 onstrations to be established, the Secretary shall give spe-
12 cial consideration to proposals that—

13 (1) include the participation of providers of
14 electricity;

15 (2) include the participation of State or local
16 governments or other governmental entities;

17 (3) provide for infrastructure and support sys-
18 tems development during fiscal years 1994 through
19 1997 to support electric motor vehicles, if any, to be
20 included in such demonstrations and that permit for
21 the continued development and application on a na-
22 tionwide basis of such infrastructure and support
23 systems;

24 (4) provide for the demonstration of more than
25 fifty electric motor vehicles during fiscal years 1994
26 through 1997; and

1 (5) would be located in areas that are likely to
2 suffer economic hardship as a result of reductions in
3 defense spending or the closure of one or more mili-
4 tary installations and are in need of redirecting and
5 retraining defense, aerospace and land systems in-
6 dustry workers;

7 (6) would utilize aerospace, land systems and
8 defense technology bases as well as the technical ex-
9 pertise of the aerospace, land systems and defense
10 industry and personnel of the Department of De-
11 fense; or

12 (7) would support the further research and de-
13 velopment, a part of the demonstration, of electrical
14 storage devices, power generation devices, light
15 weight or composite materials, or systems control
16 devices for application with electric motor vehicles to
17 be used for military applications as well as civilian
18 applications.

19 (c) OTHER CONSIDERATIONS.—The Secretary shall
20 also consider—

21 (1) the adaptability and suitability to a wide
22 range and variety of electric motor vehicles of the re-
23 lated infrastructure, goods, materials or manufac-
24 tured products, know-how or support services in-
25 tended to support the operation and maintenance of

1 electric motor vehicles proposed to be included in the
2 demonstration;

3 (2) the ability of the manufacturer, directly, in-
4 directly, or in combination with the person submit-
5 ting the proposal, for a period of no less than four
6 years after the demonstration has commenced, to de-
7 velop, assist in the demonstration of, manufacture,
8 distribute, sell, service, and ensure the continued
9 availability of parts for electric motor vehicles that
10 are proposed to be included in the demonstration;
11 and

12 (3) other criteria as the Secretary considers ap-
13 propriate.

14 **SEC. 5. AUTHORIZATION OF APPROPRIATIONS.**

15 There are authorized to be appropriated to carry out
16 this Act for fiscal year 1994 \$90,000,000, to remain avail-
17 able until expended.

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