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(Original Signature of Member)

116TH CONGRESS
2D SESSION

H. R. _____

To establish a grant program to map optimal locations for electric vehicle charging stations and the derived demand for electricity, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. O'HALLERAN introduced the following bill; which was referred to the Committee on _____

A BILL

To establish a grant program to map optimal locations for electric vehicle charging stations and the derived demand for electricity, and for other purposes.

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. SHORT TITLE.**

4 This Act may be cited as the "Electric Vehicle Mobil-
5 ity Area Planning Act" or the "EV MAP Act".

6 **SEC. 2. DEFINITIONS.**

7 In this Act:

1 (1) ELIGIBLE ENTITY.—The term “eligible enti-
2 ty” means—

3 (A) a college or university;

4 (B) a nonprofit entity;

5 (C) an electric cooperative;

6 (D) a political subdivision of a State, in-
7 cluding a municipally owned electric utility and
8 an agency, authority, corporation, or instrumen-
9 tality of a State;

10 (E) a tribally-owned electric utility, an
11 agency, authority, corporation, or instrumen-
12 tality of an Indian Tribe;

13 (F) an investor-owned electric utility; or

14 (G) a private entity.

15 (2) ELECTRIC VEHICLE.—The term “electric
16 vehicle” means a vehicle that is powered primarily
17 by an electric motor drawing current from recharge-
18 able batteries, including battery electric vehicles and
19 plug-in hybrid vehicles.

20 (3) ELECTRIC VEHICLE CHARGING STATION.—
21 The term “electric vehicle charging station” means
22 vehicle supply equipment that provides electric cur-
23 rent to recharge electric vehicles, including AC or
24 DC charging capabilities, at a location that is—

25 (A) a multiunit housing structure;

- 1 (B) a workplace;
- 2 (C) a commercial location; or
- 3 (D) open to the public for a minimum of
- 4 12 hours per day.

5 (4) INDIAN TRIBE.—The term “Indian Tribe”

6 has the meaning given the term in section 4(e) of

7 the Indian Self-Determination and Education Assist-

8 ance Act (25 U.S.C. 5304(e)).

9 (5) SECRETARY.—The term “Secretary” means

10 the Secretary of Energy.

11 **SEC. 3. ELECTRIC VEHICLE CHARGING STATION MAPPING**

12 **PROGRAM.**

13 (a) IN GENERAL.—Not later than 180 days after the

14 date of the enactment of this Act, the Secretary shall es-

15 tablish a program to provide grants to eligible entities and

16 partnerships of eligible entities to carry out activities de-

17 scribed in subsection (c) in order to determine where elec-

18 tric vehicle charging stations will be needed to meet the

19 current and future needs of electric vehicle drivers in the

20 5-year period following receipt of the grant, and to help

21 guide future investments for electric vehicle charging sta-

22 tions.

23 (b) APPLICATION.—To be eligible to receive a grant

24 under the program established under subsection (a), an

25 eligible entity, or partnership of eligible entities, shall sub-

1 mit to the Secretary an application at such time, in such
2 manner, and containing such information as the Secretary
3 may require.

4 (c) USE OF GRANT.—An eligible entity, or partner-
5 ship of eligible entities, may use a grant received under
6 subsection (a), with respect to an area in the United
7 States specified by the eligible entity or partnership of eli-
8 gible entities, to—

9 (1) evaluate locations of current electric vehicle
10 owners, and potential locations of electric vehicles
11 owners during the 5-year period following receipt of
12 the grant, in the specified area, based on data such
13 as regional commute and travel patterns;

14 (2) evaluate estimated current commute and
15 travel patterns, and commute and travel patterns
16 during the 5-year period following receipt of the
17 grant, of electric vehicles in the specified area;

18 (3) estimate the current electricity usage, and
19 the electricity usage during the 5-year period fol-
20 lowing receipt of the grant, required to serve electric
21 vehicle charging stations in the specified area;

22 (4) develop a map identifying concentrations of
23 electric vehicle charging stations to meet the needs
24 of current and future of electric vehicle drivers in

1 the specified area, based on data such as regional
2 commute and travel patterns;

3 (5) estimate the future need for electric vehicle
4 charging stations in the specified area to support the
5 adoption and use of electric vehicles in shared mobil-
6 ity solutions, such as micro-transit and transpor-
7 tation network companies; or

8 (6) develop a tool to allow a city, county, or
9 other local agency to compare and evaluate different
10 adoption and use scenarios for electric vehicles and
11 electric vehicle charging stations, with the ability to
12 adjust factors to account for locally and regionally
13 specific characteristics.

14 **SEC. 4. AUTHORIZATION OF APPROPRIATIONS.**

15 (a) IN GENERAL.—There is authorized to be appro-
16 priated to carry out this Act \$2,000,000 for each of fiscal
17 years 2021 through 2026.

18 (b) ADMINISTRATIVE COSTS.—Not more than 5 per-
19 cent of the amount appropriated under subsection (a) for
20 each fiscal year shall be used for administrative expenses.