

116TH CONGRESS  
1ST SESSION

**S.** \_\_\_\_\_

To establish a working group on electric vehicles, and for other purposes.

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IN THE SENATE OF THE UNITED STATES

Ms. CORTEZ MASTO introduced the following bill; which was read twice and referred to the Committee on \_\_\_\_\_

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**A BILL**

To establish a working group on electric vehicles, 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 Transpor-  
5 tation Commission and National Strategy Act”.

6 **SEC. 2. ELECTRIC VEHICLE WORKING GROUP.**

7 (a) ESTABLISHMENT OF WORKING GROUP.—

8 (1) IN GENERAL.—Not later than 180 days  
9 after the date of enactment of this Act, the Sec-  
10 retary of Transportation and the Secretary of En-  
11 ergy (referred to in this section as the “Secre-

1       taries”) shall jointly establish a working group (re-  
2       ferred to in this section as the “working group”) to  
3       make recommendations on the development, adop-  
4       tion, and integration of electric vehicles into the  
5       transportation and energy systems of the United  
6       States.

7               (2) MEMBERSHIP.—

8                       (A) IN GENERAL.—The working group  
9                       shall be composed of—

10                               (i) the Secretaries (or designees), who  
11                               shall be co-chairs of the working group;  
12                               and

13                               (ii) not more than 25 members to be  
14                               appointed by the Secretaries, of whom—

15                                       (I) not more than 6 shall be Fed-  
16                                       eral stakeholders as described in sub-  
17                                       paragraph (B); and

18                                       (II) not more than 19 shall be  
19                                       non-Federal stakeholders as described  
20                                       in subparagraph (C).

21                       (B) FEDERAL STAKEHOLDERS.—The  
22                       working group—

23                               (i) shall include not less than 1 rep-  
24                               resentative of each of—

1 (I) the Department of Transpor-  
2 tation;

3 (II) the Department of Energy;

4 (III) the Environmental Protec-  
5 tion Agency; and

6 (IV) the General Services Admin-  
7 istration; and

8 (ii) may include a representative of  
9 any other Federal agency the Secretaries  
10 consider to be appropriate.

11 (C) NON-FEDERAL STAKEHOLDERS.—The  
12 working group—

13 (i) shall include not less than 1 rep-  
14 resentative of each of—

15 (I) a manufacturer of electric ve-  
16 hicles or the relevant components of  
17 electric vehicles;

18 (II) an owner, operator, or manu-  
19 facturer of electric vehicle charging  
20 equipment;

21 (III) the public utility industry;

22 (IV) a public utility regulator or  
23 association of public utility regulators;

24 (V) the transportation fueling  
25 distribution industry;

1 (VI) the energy provider indus-  
2 try;

3 (VII) the automotive dealing in-  
4 dustry;

5 (VIII) the passenger transpor-  
6 tation industry;

7 (IX) an organization representing  
8 a unit of local government;

9 (X) a regional transportation or  
10 planning agency;

11 (XI) an organization representing  
12 State departments of transportation;

13 (XII) an organization rep-  
14 resenting State departments of energy  
15 or State energy planners;

16 (XIII) an expert in intelligent  
17 transportation systems and tech-  
18 nologies;

19 (XIV) organized labor;

20 (XV) the trucking industry;

21 (XVI) Tribal governments; and

22 (XVII) the property development  
23 industry; and

1 (ii) may include a representative of  
2 any other non-Federal stakeholder that the  
3 Secretaries consider to be appropriate.

4 (3) MEETINGS.—

5 (A) IN GENERAL.—The working group  
6 shall meet not less frequently than once every  
7 120 days.

8 (B) REMOTE PARTICIPATION.—A member  
9 of the working group may participate in a meet-  
10 ing of the working group via teleconference or  
11 similar means.

12 (b) REPORT AND STRATEGY ON ELECTRIC VEHICLE  
13 ADOPTION, OPPORTUNITIES, AND CHALLENGES.—

14 (1) IN GENERAL.—The working group shall  
15 submit to Congress by each of the deadlines de-  
16 scribed in paragraph (2)—

17 (A) a report on the status of electric vehi-  
18 cle adoption and opportunities for and chal-  
19 lenges to expanding adoption of electric vehi-  
20 cles, including—

21 (i) a description of the barriers and  
22 opportunities to scaling up electric vehicle  
23 adoption nationwide, including issues relat-  
24 ing to—

25 (I) consumer behavior;

- 1 (II) charging infrastructure  
2 needs, including standardization;
- 3 (III) manufacturing and battery  
4 costs;
- 5 (IV) the adoption of electric vehi-  
6 cles for low- and moderate-income in-  
7 dividuals and underserved commu-  
8 nities, including charging infrastruc-  
9 ture access and vehicle purchase fi-  
10 nancing;
- 11 (V) business models for charging  
12 electric vehicles outside the home;
- 13 (VI) charging infrastructure per-  
14 mitting and regulatory issues;
- 15 (VII) cybersecurity of charging  
16 infrastructure;
- 17 (VIII) secondary markets and re-  
18 cycling for batteries;
- 19 (IX) grid integration;
- 20 (X) energy storage; and
- 21 (XI) specific regional or local  
22 issues that—  
23 (aa) are associated with—

1 (AA) the issues de-  
2 scribed in subclauses (I)  
3 through (X); or

4 (BB) urban or rural en-  
5 vironments; and

6 (bb) may not appear nation-  
7 wide, but hamper a nationwide  
8 adoption or coordination of elec-  
9 tric vehicles;

10 (ii) examples of successful public and  
11 private models and demonstration projects  
12 that encourage electric vehicle adoption;  
13 and

14 (iii) an analysis of current efforts to  
15 overcome the barriers described in clause  
16 (i); and

17 (B) a strategy that describes how the Fed-  
18 eral Government, States, units of local govern-  
19 ment, and industry can—

20 (i) overcome the barriers described in  
21 subparagraph (A)(i);

22 (ii) identify areas of opportunity in re-  
23 search and development to improve battery  
24 manufacturing, mineral mining, recycling

1 costs, material recovery, and battery per-  
2 formance for electric vehicles;

3 (iii) enhance Federal interagency co-  
4 ordination to promote electric vehicle adop-  
5 tion;

6 (iv) promote electric vehicle knowledge  
7 and expertise within State and local gov-  
8 ernments;

9 (v) prepare the workforce for the  
10 adoption of electric vehicles, including  
11 through collaboration with labor unions,  
12 colleges and other educational institutions,  
13 and relevant manufacturers;

14 (vi) expand electric vehicle and charg-  
15 ing infrastructure—

16 (I) knowledge and use among  
17 Federal, State, and local governments,  
18 school districts, and private entities;  
19 and

20 (II) adoption among the fleets of  
21 the entities described in subclause (I);

22 (vii) expand knowledge of the benefits  
23 of electric vehicles among the general pub-  
24 lic;



1 (viii) maintain the global competitive-  
2 ness of the United States in the electric ve-  
3 hicle and charging infrastructure markets;

4 (ix) provide clarity in regulations to  
5 improve national uniformity with respect to  
6 electric vehicles; and

7 (x) ensure the sustainable integration  
8 of electric vehicles into the national electric  
9 grid.

10 (2) DEADLINES.—A report under paragraph  
11 (1) shall be submitted by—

12 (A) for the first report, not later than 1  
13 year after the date on which the working group  
14 is established under subsection (a)(1);

15 (B) for the second report, not later than 2  
16 years after the date on which the first report is  
17 required to be submitted under subparagraph  
18 (A); and

19 (C) for the third report, not later than 2  
20 years after the date on which the second report  
21 is required to be submitted under subparagraph  
22 (B).

23 (c) ELECTRIC VEHICLE RESOURCE GUIDE.—

24 (1) IN GENERAL.—The working group shall de-  
25 velop, publish, and update a resource guide to pro-

1       vide information to increase knowledge about electric  
2       vehicles and necessary charging infrastructure for  
3       consumers, State, local, and Tribal governments (in-  
4       cluding transit agencies or authorities, public tolling  
5       authorities, metropolitan planning organizations,  
6       public utility commissions, and public service compa-  
7       nies), and businesses that sell motor vehicles.

8               (2) INCLUSIONS.—A resource guide under para-  
9       graph (1) shall include—

10                       (A) information on—

11                               (i) the general characteristics of elec-  
12                               tric vehicles (including passenger vehicles,  
13                               electric vehicles for public transportation,  
14                               school buses, and electric vehicles for com-  
15                               mercial use); and

16                               (ii) the types of charging solutions  
17                               available to consumers, including, to the  
18                               maximum extent practicable, a digitally ac-  
19                               cessible compilation of existing mapping of  
20                               publicly available charging stations in the  
21                               United States;

22                       (B) information on electrifying business  
23       and government vehicle fleets;

24                       (C) information on Federal grant pro-  
25       grams available to State and local governments

1 for the purchase of electric vehicles for public  
2 transportation;

3 (D) a description of current financial and  
4 nonfinancial incentives for electric vehicles; and

5 (E) any other information that—

6 (i) a representative of industry or  
7 State or local government requests to be  
8 included; and

9 (ii) the working group determines to  
10 be appropriate.

11 (3) USE OF EXISTING GUIDES.—In developing,  
12 publishing, and maintaining the resource guide  
13 under paragraph (1), the working group shall con-  
14 sider existing Federal, State, local, private sector,  
15 and academic guides relating to electric vehicles and,  
16 to the maximum extent practicable, coordinate with  
17 the entities publishing those guides—

18 (A) to prevent duplication of efforts by the  
19 Federal Government; and

20 (B) to leverage existing complementary ef-  
21 forts.

22 (4) RESOURCE GUIDE OUTREACH.—The work-  
23 ing group shall conduct outreach to consumers,  
24 State, local, and Tribal governments (including tran-  
25 sit agencies or authorities, public tolling authorities,

1 metropolitan planning organizations, public utility  
2 commissions, and public service companies), and  
3 businesses that sell motor vehicles via the internet,  
4 social media, and other methods—

5 (A) to provide the resource guide under  
6 paragraph (1) to interested stakeholders, in-  
7 cluding relevant consumer groups and transpor-  
8 tation-related organizations;

9 (B) to promote the use of electric vehicles  
10 in both government and industry fleets; and

11 (C) to educate individuals involved in the  
12 sale of motor vehicles about the benefits of elec-  
13 tric vehicles.

14 (5) SUBSEQUENT RESOURCE GUIDES.—Not less  
15 frequently than every 2 years for the duration of the  
16 working group, the working group shall publish an  
17 update to the resource guide under paragraph (1),  
18 as appropriate based on technological innovation and  
19 subsequent information.

20 (6) ACCESSIBILITY.—The Secretaries shall each  
21 maintain the resource guide under paragraph (1) on  
22 a designated website, which may be an existing  
23 website, of each Secretary relating to electric vehi-  
24 cles.

1           (d) COORDINATION.—To the maximum extent prac-  
2 ticable, the Secretaries and the working group shall carry  
3 out this section using all available existing resources,  
4 websites, and databases of Federal agencies, such as the  
5 Alternative Fuels Data Center.

6           (e) FUNDING.—The Secretaries shall carry out this  
7 section using existing funds made available to the Secre-  
8 taries and not otherwise obligated.

9           (f) TERMINATION.—The working group shall termi-  
10 nate on the date on which the third report under sub-  
11 section (b) is submitted.