

111TH CONGRESS  
1ST SESSION

# S. 1721

To require the Secretary of Transportation to develop a national transportation low emissions energy plan.

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IN THE SENATE OF THE UNITED STATES

SEPTEMBER 25, 2009

Mr. SANDERS introduced the following bill; which was read twice and referred to the Committee on Energy and Natural Resources

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## A BILL

To require the Secretary of Transportation to develop a national transportation low emissions energy plan.

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 “Transportation Low  
5 Emissions Energy Plan 2020 Act”.

6 **SEC. 2. FINDINGS.**

7 Congress finds that—

8 (1) President Obama has stated a goal of de-  
9 ploying 1,000,000 plug-in hybrid and electric vehi-  
10 cles by 2015;

1 (2) the United States needs to develop—

2 (A) the electric recharging infrastructure  
3 to fuel those vehicles; and

4 (B) uniform standards and protocols for  
5 deployment and integration of recharging infra-  
6 structure to serve commercial vehicles as well as  
7 consumer vehicles; and

8 (3) plug-in hybrid and electric vehicles offer a  
9 number of benefits, including emissions reductions,  
10 decreasing dependence on imported oil, and ad-  
11 vanced energy storage for the electric grid.

12 **SEC. 3. DEFINITIONS.**

13 In this Act:

14 (1) **PLAN.**—The term “Plan” means the na-  
15 tional transportation low emissions energy plan de-  
16 veloped under section 4.

17 (2) **SECRETARY.**—The term “Secretary” means  
18 the Secretary of Transportation, acting in coordina-  
19 tion with the Secretary of Energy and the Adminis-  
20 trator of the Environmental Protection Agency.

21 **SEC. 4. NATIONAL TRANSPORTATION LOW EMISSIONS EN-  
22 ERGY PLAN.**

23 (a) **IN GENERAL.**—The Secretary shall establish a  
24 stakeholder-driven process to develop, not later than 18

1 months after the date of enactment of this Act, a national  
2 transportation low emissions energy plan.

3 (b) REQUIREMENTS.—The Plan shall—

4 (1) project the near- and long-term need for  
5 and location of electric drive vehicle refueling infra-  
6 structure at strategic locations across all major na-  
7 tional highways, roads, and corridors;

8 (2) identify infrastructure and standardization  
9 needs for electricity providers, infrastructure pro-  
10 viders, vehicle manufacturers, and electricity pur-  
11 chasers; and

12 (3) establish an aspirational goal of achieving  
13 strategic deployment of electric vehicle infrastructure  
14 by 2020.

15 (c) STAKEHOLDERS.—In developing the Plan, the  
16 Secretary shall involve, on a voluntary basis, stakeholders  
17 that include—

18 (1) the heads of other Federal agencies;

19 (2) State and local officials;

20 (3) representatives of—

21 (A) energy utilities;

22 (B) the vehicles industry;

23 (C) the freight and shipping industry;

24 (D) clean technology firms;

25 (E) the hospitality industry;

1 (F) the restaurant industry; and

2 (G) highway rest stop vendors; and

3 (4) such other stakeholders as the Secretary  
4 may determine to be necessary.

5 (d) PUBLIC CHARGE ACCESS PORTS.—The Plan  
6 shall—

7 (1) prioritize the development of—

8 (A) standardized public charge access  
9 ports with wireless or smart card billing capa-  
10 bility; and

11 (B) level I and level II charge port systems  
12 (that charge an electric vehicle over a period of  
13 8 to 14 hours and 4 to 8 hours, respectively)  
14 that will meet the energy requirements of the  
15 majority of plug-in hybrid and battery electric  
16 vehicles;

17 (2) examine the feasibility of level III charge  
18 port systems that can charge an electric vehicle over  
19 a period of 10 to 20 minutes; and

20 (3) focus on infrastructure that provides con-  
21 sumers with the lowest cost while providing conven-  
22 ient charge system access.

23 (e) LEEP COORDINATOR.—The Secretary may des-  
24 ignate 1 full-time position within the Department of

1 Transportation to be known as the “LEEP coordinator”  
2 with responsibility to oversee—

3 (1) the development of the Plan; and

4 (2) the implementation of the regional pilot  
5 projects under section 5.

6 **SEC. 5. PILOT PROJECTS.**

7 (a) IN GENERAL.—The Secretary may establish 4  
8 pilot projects to demonstrate electric drive vehicles and in-  
9 frastructure—

10 (1) in rural locations; and

11 (2) in commercial use.

12 (b) REQUIREMENTS.—The Secretary shall—

13 (1) establish the pilot projects after the publica-  
14 tion of the Plan;

15 (2) use the Plan to determine which regions of  
16 the United States are most ready to demonstrate  
17 electric vehicle infrastructure;

18 (3) carry out the pilot projects in different re-  
19 gions of the United States; and

20 (4) ensure that—

21 (A) at least 1 pilot project is carried out  
22 in a rural region of the United States; and

23 (B) at least 1 pilot project is focused on  
24 freight issues.

1           (c) FINANCIAL RESOURCES.—In carrying out the re-  
2 gional pilot projects, the Secretary shall coordinate the use  
3 of appropriate financial incentives, grant programs, and  
4 other Federal financial resources to ensure that electric  
5 infrastructure delivery entities are able to participate in  
6 the regional pilot projects.

7 **SEC. 6. AUTHORIZATION OF APPROPRIATIONS.**

8           There are authorized to be appropriated to the Sec-  
9 retary such sums as are necessary—

10                 (1) to develop the Plan;

11                 (2) to pay the salary and expenses of the LEEP  
12 coordinator described in section 4(e); and

13                 (3) to carry out the regional pilot projects  
14 under section 5.

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