

SENATE COMMITTEE SUBSTITUTE FOR  
**SENATE, No. 1975**

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**STATE OF NEW JERSEY**  
**218th LEGISLATURE**

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ADOPTED MARCH 5, 2018

**Sponsored by:**

**Senator BOB SMITH**

**District 17 (Middlesex and Somerset)**

**Senator LINDA R. GREENSTEIN**

**District 14 (Mercer and Middlesex)**

**SYNOPSIS**

Establishes State goals for adoption of plug-in electric vehicles and electric vehicle charging infrastructure; directs DEP and various other State agencies to develop programs to achieve those goals.

**CURRENT VERSION OF TEXT**

Substitute as adopted by the Senate Environment and Energy Committee.



1 AN ACT concerning electric vehicles and supplementing Title 26 of  
2 the Revised Statutes.

3

4 **BE IT ENACTED** by the Senate and General Assembly of the State  
5 of New Jersey:

6

7 1. As used in this act:

8 “Board” means the Board of Public Utilities.

9 “Department” means the Department of Environmental  
10 Protection.

11 “DC Fast Charger” means a device that provides direct current  
12 electrical power to a plug-in electric vehicle through a standardized  
13 connector, is able to charge a 60 kilowatt-hour battery to 80 percent  
14 capacity in 20 minutes or less, is approved for installation under the  
15 National Electric Code, and has Underwriters Laboratories  
16 certification or an equivalent certification.

17 “Level 2 Charger” means a device that provides a plug-in  
18 electric vehicle with single phase alternating current electrical  
19 power at 208-240 volts of alternating current (VAC), at up to 80  
20 amps, through a standardized plug connector that is compliant with  
21 the Society of Automotive Engineers’ standard SAE J1772, or an  
22 equivalent wireless power transfer interface, and which is approved  
23 for installation under the National Electric Code and has  
24 Underwriter Laboratory Certification or an equivalent certification.

25 “Plug-in electric vehicle” means a vehicle that includes a battery  
26 or equivalent energy storage device that can be charged from an  
27 electricity supply external to the vehicle.

28

29 2. a. Within one year after the effective date of this act, the  
30 Department of Environmental Protection, in consultation with the  
31 Board of Public Utilities, the Department of Transportation, the  
32 New Jersey Turnpike Authority, the South Jersey Transportation  
33 Authority, the Port Authority of New York and New Jersey, the  
34 Department of Community Affairs, and the New Jersey Economic  
35 Development Authority, shall develop and begin to implement  
36 policies and programs to achieve the following goals concerning  
37 plug-in electric vehicles:

38 (1) (a) By December 31, 2025, at least 330,000 of all registered  
39 vehicles in the State shall be plug-in electric vehicles, (b) by  
40 December 31, 2035, at least two million of all registered vehicles in  
41 the State shall be plug-in electric vehicles, and (c) by December 31,  
42 2040, at least 90 percent of all new vehicles sold in the State shall  
43 be plug-in electric vehicles;

44 (2) (a) By December 31, 2020, at least 600 DC Fast Chargers  
45 shall be available for public use at 300 locations or more in the  
46 State, and (b) at least 100 of the DC Fast Chargers shall be located  
47 on, or within one quarter mile of, a State highway or federal

1 interstate highway, with no more than 25 miles between charging  
2 locations;

3 (3) By December 31, 2020, at least 500 Level 2 Chargers shall  
4 be available for public use in the State;

5 (4) By December 31, 2025, (a) at least 50 percent of all  
6 multifamily properties in the State shall have Level 2 Chargers or  
7 shall be charger ready for use by residents, (b) at least 25 percent of  
8 all commercial properties in the State shall have Level 2 Chargers  
9 for use by employees, and (c) at least 50 percent of all hotels,  
10 motels, or other overnight lodging establishments shall have Level  
11 2 Chargers for use by persons staying at the establishment; and

12 (5) (a) By December 31, 2025, at least 40 percent of all State-  
13 owned light duty vehicles shall be plug-in electric vehicles, and (b)  
14 by December 31, 2035 and thereafter, 100 percent of all State-  
15 owned light duty vehicles shall be plug-in electric vehicles.

16 b. By December 31, 2025, the department shall, in consultation  
17 with other State agencies and stakeholders as the department deems  
18 appropriate, establish plug-in electric vehicle adoption and  
19 infrastructure development goals for medium-duty and heavy-duty  
20 on-road diesel vehicles, consistent with the state of plug-in electric  
21 vehicle technology and the maximum rate of market adoption for  
22 considered feasible at that point in time for those vehicles.

23 c. The department shall, in consultation with the board, other  
24 State agencies, and stakeholders as the department deems  
25 appropriate, implement a Statewide marketing and consumer  
26 awareness program to educate consumers about the availability and  
27 benefits of plug-in electric vehicles, public electric vehicle charging  
28 infrastructure, and any State or federal programs or policies that  
29 incentivize consumer purchase of plug-in electric vehicles, as  
30 needed to achieve the goals established in this section.

31 d. No later than January 1, 2020, and every five years  
32 thereafter, until January 1, 2050, the department shall prepare and  
33 submit to the Governor and, pursuant to section 2 of P.L.1991,  
34 c.164 (C.52:14-19.1), the Legislature, a report that assesses the state  
35 of the plug-in electric vehicle market in New Jersey, measures the  
36 State's progress toward the goals established in this section and by  
37 the department pursuant to subsection b. of this section, identifies  
38 barriers to the achievement of those goals, and makes  
39 recommendations for legislation or other action by the Legislature  
40 to address those barriers.

41  
42 3. The Board of Public Utilities shall ensure, to the maximum  
43 extent practicable, the development of electric vehicle charging  
44 infrastructure of all types in order to achieve the goals established  
45 in this act. The board shall work with electric public utilities and  
46 the competitive market for plug-in electric vehicle charging  
47 equipment and services to ensure equitable access to electric vehicle

1 charging infrastructure for all ratepayers and responsible integration  
2 of that infrastructure into the electric grid.

3  
4 4. The Department of Environmental Protection, in  
5 consultation with the Board of Public Utilities, the Department of  
6 Transportation, the New Jersey Turnpike Authority, the South  
7 Jersey Transportation Authority, the Port Authority of New York  
8 and New Jersey, the Department of Community Affairs, and the  
9 New Jersey Economic Development Authority, shall adopt,  
10 pursuant to the "Administrative Procedure Act," P.L.1968, c.410  
11 (C.52:14B-1 et seq.), such rules and regulations as may be  
12 necessary for implementation of this act.

13  
14 5. This act shall take effect immediately.