

[Second Reprint]

**ASSEMBLY, No. 5720**

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**STATE OF NEW JERSEY**  
**219th LEGISLATURE**

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INTRODUCED MAY 17, 2021

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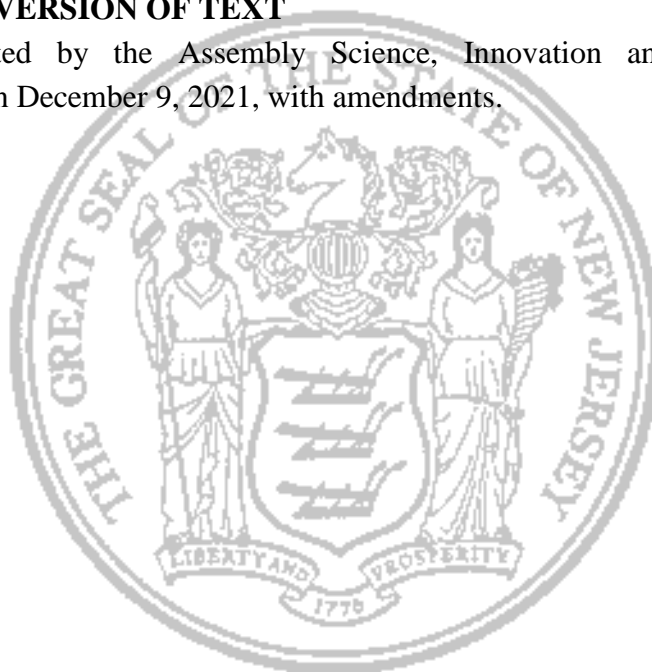
**Assemblyman Karabinchak**

**SYNOPSIS**

Codifies certain energy goals related to 2019 Energy Master Plan.

**CURRENT VERSION OF TEXT**

As reported by the Assembly Science, Innovation and Technology Committee on December 9, 2021, with amendments.



**(Sponsorship Updated As Of: 11/15/2021)**

1 AN ACT concerning State energy goals and supplementing Title 48  
2 of the Revised Statutes.

3  
4 **BE IT ENACTED** *by the Senate and General Assembly of the State*  
5 *of New Jersey:*

6  
7 1. a. Based on the 2019 New Jersey Energy Master Plan,  
8 prepared pursuant to section 12 of P.L.1977, c.146 (C.52:27F-14),  
9 <sup>2</sup>and the “New Jersey Global Warming Response Act 80x50  
10 Report” published by the Department of Environmental Protection  
11 in October 2020 pursuant to the “Global Warming Response Act,”  
12 P.L.2007, c.112 (C.26:2C-37 et al.),<sup>2</sup> there are established the  
13 following State goals <sup>1</sup>related to electric vehicles and the  
14 transportation sector<sup>1</sup> :

15 (1) by 2025, at least 330,000 light-duty electric vehicles shall be  
16 registered in the State <sup>2</sup>and there shall be sufficient distribution  
17 capacity and charging infrastructure to support their convenient and  
18 efficient charging<sup>2</sup>;

19 (2) <sup>2</sup>beginning in the fiscal year after appropriate charging  
20 infrastructure is operational, at least 50 percent of the light duty  
21 passenger vehicles purchased by the Department of the Treasury  
22 shall be electric vehicles by 2035, 100 percent of light-duty  
23 vehicles sold in the State shall be electric vehicles<sup>2</sup>;

24 (3) <sup>2</sup>by December 31, 2025, 25 percent of State-owned non-  
25 emergency light-duty vehicles shall be electric vehicles, and by  
26 2035, 100 percent of State-owned non-emergency light-duty  
27 vehicles shall be electric vehicles pursuant to section 3 of P.L.2019,  
28 c. 362 (C.48:25-3);

29 (4) sufficient charging infrastructure shall be installed to ensure  
30 the goals in paragraph (3) of this subsection can be met; and

31 (5)<sup>2</sup> by 2025, the New Jersey Transit Corporation shall <sup>1</sup>operate  
32 at least one have in development a prototype of a<sup>1</sup> battery electric  
33 train <sup>1</sup>;

34 (4) by 2025, the Port Authority of New York and New Jersey  
35 shall emit 35 percent less greenhouse gases, measured by carbon  
36 dioxide equivalent, than the authority emitted during 2006;

37 (5) by 2025, at least 50 percent of the light duty vehicles owned  
38 by the Port Authority of New York and New Jersey shall be electric  
39 vehicles;

40 (6) by 2025, at least 35 percent of the electricity used in the State  
41 shall be produced by renewable sources;

42 (7) by 2030, at least 50 percent of the electricity used in the State  
43 shall be produced by renewable sources;

**EXPLANATION** – Matter enclosed in bold-faced brackets **[thus]** in the above bill is  
not enacted and is intended to be omitted in the law.

Matter underlined thus is new matter.

Matter enclosed in superscript numerals has been adopted as follows:

<sup>1</sup>Assembly AEN committee amendments adopted November 15, 2021.

<sup>2</sup>Assembly AST committee amendments adopted December 9, 2021.

1 (8) **1** .

2 b. Based on the 2019 New Jersey Energy Master Plan, prepared  
3 pursuant to section 12 of P.L.1977, c.146 (C.52:27F-14), <sup>2</sup>and the  
4 “New Jersey Global Warming Response Act 80x50 Report”  
5 published by the Department of Environmental Protection in  
6 October 2020 pursuant to the “Global Warming Response Act,”  
7 P.L.2007, c.112 (C.26:2C-37 et al.),<sup>2</sup> there are established the  
8 following State goals related to the use of clean energy in the State:

9 (1) the State shall adopt a clean energy standard <sup>2</sup>for the  
10 generation of electricity<sup>2</sup> which recognizes electricity produced by  
11 all non-carbon emitting resources, including renewable energy,  
12 nuclear energy, and other non-emitting technologies;

13 (2) the State shall <sup>2</sup>[match the issuance of renewable energy  
14 certificates or other clean energy standard credits with the  
15 consumption of electricity in the State to ensure that clean energy  
16 production occurs at the same time as energy is consumed] provide  
17 that the value of any renewable energy certificates or clean energy-  
18 related certificates retired in compliance with State law reflects the  
19 environmental benefits of the energy produced<sup>2</sup>;

20 (3)<sup>1</sup> by 2030, offshore wind facilities <sup>2</sup>[in the State]<sup>2</sup> shall  
21 generate at least 3.5 gigawatts of <sup>2</sup>the<sup>2</sup> power <sup>2</sup>consumed by New  
22 Jersey consumers<sup>2</sup>;

23 <sup>1</sup>**[(9)]** (4)<sup>1</sup> by 2035, offshore wind facilities <sup>2</sup>[in the State]<sup>2</sup>  
24 shall generate at least 7.5 gigawatts of <sup>2</sup>the<sup>2</sup> power <sup>2</sup>consumed by  
25 New Jersey consumers<sup>2</sup>;

26 <sup>1</sup>**[(10)]** (5)<sup>1</sup> by 2035, <sup>1</sup>[electric power utilities in]<sup>1</sup> the State  
27 shall <sup>1</sup>[possess] provide for the installation of 2.5 gigawatts of<sup>1</sup>  
28 energy storage systems capable of <sup>1</sup>[discharging to the grid two  
29 gigawatts of electric power for at least 24 hours] storing electricity  
30 to provide four hours of continuous discharge <sup>2</sup>at their rated  
31 capacity<sup>2</sup>;

32 (6) by 2050, the State shall provide for the installation of 8.7  
33 gigawatts of energy storage systems capable of storing electricity to  
34 provide four hours of continuous discharge<sup>1</sup> <sup>2</sup>at their rated  
35 capacity<sup>2</sup>; and

36 <sup>1</sup>**[(11)]** beginning in 2023,] (7)<sup>1</sup> the owner or operator of each  
37 commercial building over 25,000 square feet in New Jersey shall  
38 benchmark the building's energy and water use for the prior  
39 calendar year using the United States Environmental Protection  
40 Agency's Portfolio Manager tool.

41 <sup>1</sup>**[b.]** c.<sup>1</sup> The Board of Public Utilities, Department of the  
42 Treasury, New Jersey Transit Corporation, <sup>1</sup>[Port Authority of New  
43 York and New Jersey,]<sup>1</sup> Department of Community Affairs,  
44 Department of Transportation, and Department of Environmental  
45 Protection shall review the applicable rules and regulations and

1 notify, in writing, the President of the Senate and Speaker of the  
2 General Assembly, as well as the respective chairpersons of the  
3 Senate Environment and Energy Committee, the Assembly  
4 Agriculture and Natural Resources Committee, and the Assembly  
5 Environment and Solid Waste Committee, or their designated  
6 successors, of any instances in which the existing statutory  
7 authority is insufficient to achieve the goals set forth in  
8 <sup>2</sup>~~subsection~~ subsections<sup>2</sup> a. <sup>2</sup>~~and b.~~<sup>2</sup> of this section.

9 <sup>1</sup>~~c.~~ d.<sup>1</sup> The <sup>1</sup>~~Department of Environmental Protection~~ Board  
10 of Public Utilities<sup>1</sup> shall prepare an annual report, beginning one  
11 year after the effective date of this act and ending in 2035, on the  
12 State's progress in achieving the goals set forth in <sup>1</sup>~~subsection~~  
13 subsections<sup>1</sup> a. <sup>1</sup>~~and b.~~<sup>1</sup> of this section. The <sup>1</sup>~~department~~ board<sup>1</sup>  
14 shall submit each report to the Governor and to the Legislature  
15 pursuant to section 2 of P.L.1991, c.164 (C.52:14-19.1).

16 <sup>1</sup>e. Commencing with the first update of the energy master plan,  
17 adopted pursuant to section 12 of P.L.1977, c.146 (C.52:27F-14),  
18 occurring after the date of enactment of this act, the Energy Master  
19 Plan Committee shall ensure that the energy master plan conforms  
20 to, or exceeds, the goals set forth in this act <sup>2</sup>, unless an alternative  
21 set of goals has been found, through the energy master plan  
22 development, to result in more rapid reduction of Statewide  
23 greenhouse gas emissions and deeper decarbonization at a  
24 comparable or lower cost<sup>2</sup> <sup>1</sup>.

25

26 2. This act shall take effect immediately.