

STATE OF NEW YORK

3036

2021-2022 Regular Sessions

IN SENATE

January 27, 2021

Introduced by Sens. PARKER, BRESLIN, COMRIE, HOYLMAN -- read twice and ordered printed, and when printed to be committed to the Committee on Energy and Telecommunications

AN ACT to amend the energy law, in relation to directing the state energy planning board to conduct a study of the technical and economic feasibility of a one hundred percent renewable energy system and a reduction in greenhouse gas emissions

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

1 Section 1. The energy law is amended by adding a new section 6-110 to
2 read as follows:

3 § 6-110. Supplemental study on the technical and economic feasibility
4 of a one hundred percent renewable energy system and a reduction in
5 greenhouse gas emissions. 1. On or before September first, two thousand
6 twenty-two, and every four years thereafter, the board shall publish and
7 update a comprehensive study to determine the technical and economic
8 feasibility of meeting the following goals:

9 (a) one hundred percent of the electricity consumed in the state
10 generated by renewable energy resources by the year two thousand thir-
11 ty-two, and, alternatively, the year two thousand fifty-two.

12 (b) reducing greenhouse gas emissions from all anthropogenic sources
13 one hundred percent below the levels of greenhouse gas emissions in the
14 year nineteen hundred ninety by the year two thousand fifty-two, with an
15 incremental target of at least a fifty percent reduction in greenhouse
16 gas emissions below the levels of greenhouse gas emissions in the year
17 nineteen hundred ninety by the year two thousand thirty-two.

18 2. Such study shall include, at a minimum, an assessment of each of
19 the following:

20 (a) the timing, costs, economic impacts, and feasibility associated
21 with pathways to meet these goals. In terms of the evaluation of costs,
22 the study shall:

EXPLANATION--Matter in italics (underscored) is new; matter in brackets
[-] is old law to be omitted.

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1 (i) evaluate, using the best available economic models, emission esti-
2 mation techniques and other scientific methods, the total potential
3 costs and potential economic and non-economic benefits of meeting these
4 goals;

5 (ii) evaluate the economic impact of meeting the goals on the state's
6 businesses, jobs, ratepayers and residents assuming:

7 (A) the renewable and greenhouse gas emissions goals of other states
8 and regions in the United States are at least fifty percent lower than
9 New York state's goals;

10 (B) the renewable and greenhouse gas emissions goals of other states
11 and regions in the United States are as those in place as of the date of
12 the study;

13 (C) the existence of technology in place as of the date of the study.

14 (b) the technical and cost impact on maintaining electric system reli-
15 ability, including but not limited to, the need for and type of back-up
16 power supplies and of energy storage systems to maintain electric system
17 reliability.

18 (c) the short-term and long-term actions to feasibly meet the goals
19 across all economic sectors, including industry, transportation, agri-
20 culture, building construction and energy production, including:

21 (i) an analysis of the anticipated emission reductions, and the
22 economic implications thereof, as a result of each action.

23 (ii) identification of the anticipated life-cycle implications, conse-
24 quences, benefits and costs of implementing each action, including
25 implications, consequences, benefits and costs to New York state, local
26 governments, businesses, ratepayers and residents from implementation of
27 each action.

28 (d) estimated timelines for considering and implementing such actions.

29 (e) exploration of various renewable technology and energy efficiency
30 deployment scenarios.

31 (f) a requirement for any new vehicles sold in the state to be powered
32 by electricity generated by renewable energy resources or otherwise to
33 be free of emissions.

34 (g) proposals for new structures constructed in the state to be net
35 zero emission structures.

36 (h) transition to renewable heating and cooling provided by heat pumps
37 powered by renewable energy resources or other means resulting in net
38 zero emissions.

39 (i) the economic and social benefits of greenhouse gas emissions
40 reductions, taking into account the federal social cost of carbon, any
41 other tools that the board deems useful and pertinent for this analysis,
42 and any environmental, economic and public health co-benefits (such as
43 the reduction of co-pollutants and the diversification of energy sourc-
44 es).

45 3. Such study shall build upon relevant expertise already at the
46 board's disposal.

47 4. The board may contract with an independent and competitively
48 selected contractor to undertake such study.

49 5. The board, and any contractors it may retain for such purposes,
50 shall consult with entities that have resources and expertise to assist
51 in such study, including, but not limited to, academic partners, elec-
52 tric corporations, electricity generating companies, trade organiza-
53 tions, environmental justice groups, and other stakeholders.

54 6. The board shall prepare a report on such study's findings. The
55 board shall transmit such report along with the study to the governor,
56 the speaker of the assembly, the temporary president of the senate, the

1 chair of the assembly energy committee, and the chair of the senate
2 energy and telecommunications committee no later than thirty days after
3 the study's completion.

4 7. The Long Island power authority and the power authority of the
5 state of New York are authorized, as deemed feasible and advisable by
6 their respective boards, to make a voluntary contribution toward the
7 study.

8 § 2. This act shall take effect immediately.