

# STATE OF NEW YORK

11275

## IN ASSEMBLY

July 25, 2018

Introduced by COMMITTEE ON RULES -- (at request of M. of A. Cusick, Colton) -- read once and referred to the Committee on Energy

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.

6 1. On or before September first, two thousand nineteen, and every four  
7 years thereafter, the board shall undertake and update a comprehensive  
8 study to determine the technical and economic feasibility of meeting the  
9 following goals:

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

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

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

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

24 (i) evaluate, using the best available economic models, emission esti-  
25 mation techniques and other scientific methods, the total potential

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

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1 costs and potential economic and non-economic benefits of meeting these  
2 goals;

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

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

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

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

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

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

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

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

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

27 (e) exploration of various renewable technology and energy efficiency  
28 deployment scenarios.

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

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

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

37 3. Such study shall build upon relevant expertise already at the  
38 board's disposal, including analyses completed for the New York state  
39 clean energy standard, the New York state greenhouse gas inventory and  
40 pathways analysis, and other renewable energy and energy efficiency  
41 potential studies conducted by the New York state energy research and  
42 development authority.

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

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

50 6. The board shall prepare a report on such study's findings. The  
51 board shall transmit such report along with the study to the governor,  
52 the speaker of the assembly, the temporary president of the senate, the  
53 chair of the assembly energy committee, and the chair of the senate  
54 energy and telecommunications committee.

55 7. The Long Island power authority and the power authority of the  
56 state of New York are authorized, as deemed feasible and advisable by

1 their respective boards, to make a voluntary contribution toward the  
2 study.

3 § 2. This act shall take effect immediately.