

# STATE OF NEW YORK

6906

2021-2022 Regular Sessions

## IN SENATE

May 20, 2021

Introduced by Sen. KAVANAGH -- 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, the environmental conservation law, the public authorities law, and the general municipal law, in relation to requiring certain watercraft, aircrafts, and trains to be zero-emissions; and to amend the public authorities law in relation to requiring NYSERDA to conduct certain studies and in relation to requiring certain monetary incentives for clean energy vehicles

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 5-108-b  
2 to read as follows:

3 § 5-108-b. Purchase of zero-emission ferries. a. The commissioner  
4 shall promulgate rules and regulations which shall require that all  
5 ferries purchased by or for the state or any agency or public authority  
6 thereof, or any private nonprofit organization in any fiscal year which  
7 commences on or after April first two thousand thirty, produce zero-em-  
8 issions. Privately licensed ferries that receive funding from the state  
9 or any agency or public authority thereof, where such funds are provided  
10 to subsidize a particular route, shall, in any fiscal year which  
11 commences on or after April first two thousand thirty, purchase zero-em-  
12 ission ferries to service that particular route.

13 § 2. The environmental conservation law is amended by adding a new  
14 section 19-0306-b to read as follows:

15 § 19-0306-b. Public vessel emissions regulations.

16 1. The commissioner shall promulgate rules and regulations which shall  
17 require that all public vessels operating in the navigable waters of the  
18 state shall produce zero or near zero-emissions by two thousand forty.  
19 Public vessels may only utilize fossil fuel-based engines as range  
20 extenders.

21 2. The provisions of this section shall not apply to commercial fish-  
22 ing boats, ocean-going ships or public vessels transporting goods  
23 through the Great Lakes.

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

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1 3. For purposes of this section, the following terms shall have the  
2 following meanings:

3 (a) "public vessel" shall have the same meaning as in paragraph (a) of  
4 subdivision six of section two of the navigation law;

5 (b) "navigable waters of the state" shall have the same meaning as in  
6 subdivision four of section two of the navigation law;

7 (c) "fossil fuel" shall mean coal, petroleum products and fuel gases;  
8 and

9 (d) "range extender" shall mean a fuel-based auxiliary power unit that  
10 extends the range of an electric vessel by providing power to an elec-  
11 tric generator that charges the vessel's battery.

12 § 3. The public authorities law is amended by adding a new section  
13 1884 to read as follows:

14 § 1884. Study on zero-emission commercial vessels. 1. The New York  
15 state energy research and development authority is hereby authorized and  
16 directed to conduct a comprehensive study to analyze the need for charg-  
17 ing stations along the Hudson river and the New York state canal system  
18 to accommodate zero-emission commercial vessels.

19 2. Such study shall examine, at a minimum:

20 (a) the current electric vessel infrastructure, including an evalu-  
21 ation of revenue allocation options to assist in an expansion of such  
22 infrastructure;

23 (b) the volume of commercial barge operations, including an estimate  
24 of the number of charging stations necessary to supply such operations  
25 upon a transition of commercial barge operations to zero-emission  
26 vessels;

27 (c) any safety implications concerning the development of the electric  
28 vessel infrastructure; and

29 (d) any negative impacts that may result from the installation of  
30 charging stations.

31 3. The authority shall report its findings and any recommendations to  
32 the governor, the temporary president of the senate and the speaker of  
33 the assembly no later than five years after the effective date of this  
34 section.

35 § 4. The public authorities law is amended by adding a new section  
36 1885 to read as follows:

37 § 1885. Boat clean rebate program. The authority shall establish and  
38 administer a parallel program to the drive clean rebate program entitled  
39 the boat clean rebate program to permit vessels, as defined in section  
40 two of the navigation law, that produce zero-emissions and are no great-  
41 er than twenty-five feet in length, to be eligible for a maximum rebate  
42 amount of two thousand dollars.

43 § 5. Subdivision 1 of section 352 of the general municipal law, as  
44 amended by chapter 904 of the laws of 1947, is amended to read as  
45 follows:

46 1. Construct, develop, improve, equip, maintain and operate the same,  
47 provided that, no later than January first, two thousand thirty, all  
48 ground support equipment used by any public airport shall be zero-emis-  
49 sion ground support equipment.

50 § 6. The public authorities law is amended by adding a new section  
51 1886 to read as follows:

52 § 1886. Study on publicly funded airports. 1. The authority shall  
53 conduct a study of all publicly funded airports within the state to  
54 assess the financial viability of using renewable energy in such  
55 airports. Such study shall examine the use of renewable energy sources,  
56 including but not limited to, geothermal energy, solar energy and wind

1 energy, for on-site generation of electricity. Such study shall further  
2 examine, at a minimum:

3 (a) the cost of each such source of renewable energy compared to the  
4 cost of non-renewable energy sources;

5 (b) the efficiency of each such source of renewable energy compared to  
6 the efficiency of non-renewable energy sources; and

7 (c) any safety implications for each such source of renewable energy.

8 2. The authority shall report its findings and any recommendations to  
9 the governor, the temporary president of the senate, and the speaker of  
10 the assembly no later than five years after the effective date of this  
11 section.

12 § 7. Section 1854 of the public authorities law is amended by adding a  
13 new subdivision 22 to read as follows:

14 22. To administer a program, using funds provided for such purpose, to  
15 provide a grant to commercial flying school and non-profit flying clubs  
16 to install charging infrastructure applicable to federal aviation admin-  
17 istration certified electric aircraft. To be eligible for such grant,  
18 flying schools and flying clubs shall be based at airports located in  
19 this state. Any flying club seeking such grant shall have no less than  
20 twenty-five members. Priority shall be given to flying school and non-  
21 profit flying clubs that have been in business for at least five consec-  
22 utive years.

23 § 8. The public authorities law is amended by adding a new section  
24 1887 to read as follows:

25 § 1887. Study on sustainable aviation fuel. 1. The authority shall  
26 conduct a study to determine how to make sustainable aviation fuel,  
27 certified per applicable standards such as the roundtable on sustainable  
28 biomaterials standards or the American society for testing and materials  
29 standards, more widely available at airports in the state, using locally  
30 sourced biomass as feedstock for the fuel whenever feasible. Such study  
31 shall examine, at a minimum:

32 (a) the resources available within the state to create such sustaina-  
33 ble fuel;

34 (b) the cost for creating such fuel;

35 (c) the cost to implement the use of such fuel within the state  
36 compared to the cost of maintaining the use of traditional aviation  
37 fuel; and

38 (d) any safety implications concerning the use of sustainable aviation  
39 fuel.

40 2. The authority shall report its findings and any recommendations to  
41 the governor, the temporary president of the senate, and the speaker of  
42 the assembly no later than five years after the effective date of this  
43 section.

44 § 9. Section 1266 of the public authorities law is amended by adding a  
45 new subdivision 19 to read as follows:

46 19. No later than January first, two thousand thirty-five, the author-  
47 ity, in consultation with the Metro-North Commuter Railroad Company, the  
48 Long Island Railroad and the executive director of the metropolitan  
49 transportation authority, shall require that all passenger trains oper-  
50 ated by the Metro-North Commuter Railroad Company and the Long Island  
51 Railroad, and all work trains in the subway system operated by the  
52 metropolitan transportation authority shall be zero-emission trains.  
53 Any branch of the Metro-North Commuter Railroad Company that operates  
54 wholly or partially in New Jersey or Connecticut shall be exempt from  
55 the provisions of this subdivision.

56 § 10. This act shall take effect immediately.