

Amendment to SB 589-FN

1 Amend the title of the bill by replacing it with the following:

2

3 AN ACT relative to port electrification, microgrid development, and cybersecurity standards
4 for energy and water systems.

5

6 Amend the bill by replacing all after the enacting clause with the following:

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8 1 Statement of Purpose. The purpose of this act is to promote New Hampshire's energy
9 resilience and deployment of technologies supporting marine shipping, microgrid development, and
10 cybersecurity for distributed energy resources.

11 2 New Paragraph; Energy Infrastructure Development and Corridors; Definition of Microgrid
12 Added. Amend RSA 162-R:1 by inserting after paragraph III the following new paragraph:

13 III-a. "Microgrid" means a group of interconnected loads and distributed energy resources
14 acting as a single controllable entity with respect to the grid, with the ability to connect/disconnect to
15 operate in grid-connected or island mode, improve reliability and resilience to grid disturbances, and
16 enable local assets to collaborate to save costs, run during interruptions, or support remote
17 operations. A microgrid may also feature system modeling/simulation, power electronic converters
18 and control algorithms, controller hardware-in-the-loop testing, power hardware-in-the-loop testing,
19 programmable AC/DC power supplies for grid/PV/battery emulation, and hybrid microgrid testing
20 including distribution integration of wind turbines, PV, dynamometers, loads, and energy storage.

21 3 New Sections; Port Electrification Task Force. Amend RSA 162-R by inserting after section 6
22 the following new section:

23 162-R:7 Port Electrification Report.

24 I. There is hereby established a task force to report on port electrification.

25 II. The task force shall consist of:

26 (a) The director of the division of ports and harbors, or designee, who shall serve as chair
27 and convening authority, and shall administer the task force.

28 (b) The commissioner of the department of transportation, or designee.

29 (c) The commissioner of the department of energy, or designee.

30 (d) The commissioner of the department of business and economic affairs, or designee.

31 III. The report shall:

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1 (a) Identify feasible technologies and locations for charging infrastructure, energy
2 supply, including on-site generation, and energy storage units, to serve hybrid electric, and fuel cell
3 electric ships, for shipping, fisheries, and other vessels, and portside power supply for conventional-
4 fueled vessels.

5 (b) Assess applicable state, federal, and international regulations and regulatory
6 barriers.

7 (c) Identify associated costs, funding sources, and potential models for private
8 development.

9 (d) Identify transmission and interconnection siting.

10 IV. The report required by this section shall be completed on or before June 30, 2027.
11 Copies shall be submitted to the governor, speaker of the house, president of the senate, and the
12 chairs of the house and senate standing committees for transportation, energy, and commerce.

13 4 Microgrid Investigation Phase II.

14 I. Within 120 days of the effective date of this section, the department of energy shall
15 initiate a proceeding to continue to investigate the potential benefits, risks, and key considerations
16 around developing a framework for electricity microgrids, in the state, continuing the work begun in
17 Inv 2024-001. In so doing, the department shall consult with electric distribution utilities, microgrid
18 technology companies, distributed generation project developers, high density load businesses, and
19 any other relevant entities.

20 II. The department's investigative proceeding shall examine and make recommendations
21 concerning:

22 (a) The feasibility of financing options for microgrids, including C-PACER.

23 (b) Identifying political subdivisions and industrial users open to microgrid
24 development.

25 (c) Development of an approach to use the "sandbox" methodology to enhance the
26 regulatory process.

27 (d) Cybersecurity standards for microgrids and other distributed energy resources.

28 (e) The need for legislation or regulatory relief to allow for pilot projects

29 (f) Evaluation criteria for a pilot project.

30 (g) Any other relevant issue raised in the department's investigative proceedings.

31 III. The department shall report its findings and recommendations to the legislature no
32 later than one year after initiating the study.

33 IV. For the purposes of this section, "microgrid" shall have the same meaning as in RSA 162-
34 R:1, III-a.

35 5 Cybersecurity and Electric Grid Interconnection Guidelines.

36 I. Within 120 days of the effective date of this section, the department of energy shall
37 initiate a proceeding, in consultation as deemed necessary with the governor's advisor for utility

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1 critical infrastructure cybersecurity, the managing director of the New England Utility
2 Cybersecurity Integration Collaborative, distributed energy resources businesses, and
3 regional/federal transmission authorities, to determine:

4 (a) The need for guidelines or standards for cybersecurity standards for distributed
5 energy generation and related devices.

6 (b) The proper venue for promulgation of those guidelines or standards, including, but
7 not limited to rulemaking, statutory changes, and including guidelines or standards within existing
8 procedures and filings.

9 II. The department shall report its findings and recommendations to the legislature no later
10 than one year after initiating the study. The report shall include recommendations for statutory
11 changes, rulemaking, or other actions as needed. The department shall submit copies of the report
12 to the governor, senate president, speaker of the house, and chairs of senate and house energy policy
13 committees.

14 6 New Section; Cybersecurity Protection Program; Public Water Systems. Amend RSA 485 by
15 inserting after section 3-d the following new section:

16 485:3-e Cybersecurity Protection Program.

17 I. Public water systems shall implement a cybersecurity protection program that is
18 commensurate with the size and complexity of the public water system in accordance with rules
19 adopted by the department.

20 II. Public water systems that do not use an Internet-connected control system are exempt
21 from the provisions of this section.

22 III. In this section “cybersecurity protection program” means steps to prevent an event from
23 occurring on or conducted through a computer network that jeopardizes the confidentiality, integrity,
24 or availability of computers, information systems, communications systems, networks, physical or
25 virtual infrastructure controlled by computers or information systems, or the information or
26 processes residing thereon.

27 IV. The commissioner may adopt rules to implement a cybersecurity protection program for
28 public water systems.

29 7 New Section; Cybersecurity Protection Program; Wastewater Treatment Facilities. Amend
30 RSA 485-A by inserting after section 485-A:5-e the following new section:

31 485-A:5-f Cybersecurity Protection Program.

32 I. Wastewater treatment plants or wastewater facilities shall implement a cybersecurity
33 protection program that is commensurate with the size and complexity of the wastewater treatment
34 plant or wastewater facility in accordance with rules adopted by the department.

35 II. Wastewater treatment plants or wastewater facilities that do not use an Internet-
36 connected control system are exempt from the provisions of this section.

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1 III. In this section “cybersecurity protection program” means steps to prevent an event from
2 occurring on or conducted through a computer network that jeopardizes the confidentiality, integrity,
3 or availability of computers, information systems, communications systems, networks, physical or
4 virtual infrastructure controlled by computers or information systems, or the information or
5 processes residing thereon.

6 IV. The commissioner shall adopt rules to implement a cybersecurity protection program for
7 wastewater treatment plants or wastewater facilities.

8 8 Repeal. RSA 162-R:7, relative to the port electrification task force, is repealed.

9 9 Effective Date.

10 I. Section 8 of this act takes effect July 1, 2027.

11 II. The remainder of this act takes effect upon its passage.

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AMENDED ANALYSIS

This bill establishes a port electrification task force, directs investigation into microgrid development and cybersecurity standards, and mandates cybersecurity programs for water and wastewater systems.