

1  
2  
3  
4  
5  
6  
7  
8  
9  
  
10  
11  
  
12  
13  
14  
15  
16  
17  
18  
19  
20

S.161

Introduced by Senators Kitchel, Benning and Starr

Referred to Committee on Finance

Date: January 4, 2022

Subject: Public service; renewable energy programs; baseload renewable  
power portfolio requirement

Statement of purpose of bill as introduced: This bill proposes to extend the  
baseload renewable power portfolio requirement until 2032 unless the baseload  
renewable power plant does not utilize at least 40 percent of its energy.

An act relating to extending the baseload renewable power portfolio  
requirement

It is hereby enacted by the General Assembly of the State of Vermont:

~~§ 8009. 30 V.S.A. § 8009 is amended to read.~~

§ 8009. BASELOAD RENEWABLE POWER PORTFOLIO  
REQUIREMENT

\* \* \*

(b) Notwithstanding subsection 8004(a) and subdivision 8005(c)(1) of this  
title, commencing November 1, 2012, each Vermont retail electricity provider  
shall purchase the provider's pro rata share of the baseload renewable power  
~~portfolio requirement, which shall be based on the total Vermont retail kWh~~

1 ~~sales of all such providers for the previous calendar year. The obligation~~  
2 created by this subsection shall cease on November 1, ~~2024~~ 2032.

3 \* \* \*

4 (d) ~~The~~ On or before November 1, 2026, the Commission shall determine,  
5 for the period beginning on November 1, 2026 and ending on November 1,  
6 2032, the price to be paid to a plant used to satisfy the baseload renewable  
7 power portfolio requirement. The Commission shall not be required to make  
8 this determination as a contested case under 3 V.S.A. chapter 25. The price  
9 shall be the avoided cost of the Vermont composite electric utility system. ~~It~~  
10 As used in this subsection, the term “avoided cost” means the incremental cost  
11 to retail electricity providers of electric energy or capacity, or both, which, but  
12 for the purchase from the plant proposed to satisfy the baseload renewable  
13 power portfolio requirement, such providers would obtain from a source using  
14 the same generation technology as the proposed plant. ~~It~~ For the purposes of  
15 this subsection, the term “avoided cost” also includes the Commission’s  
16 consideration of each of the following:

17 (1) ~~The~~ the relevant cost data of the Vermont composite electric utility  
18 system;

19 (2) ~~The~~ the terms of the potential contract, including the duration of the  
20 ~~obligation.~~

1 ~~(3) The the availability, during the system's daily and seasonal peak~~  
2 ~~periods, of capacity or energy from a proposed plant;~~

3 ~~(4) The the relationship of the availability of energy or, capacity,~~  
4 ~~renewable energy credits and attributes, and other market products and~~  
5 ~~services from the proposed plant to the ability of the Vermont composite~~  
6 ~~electric utility system or a portion thereof to avoid costs;~~

7 ~~(5) The the costs or savings resulting from variations in line losses from~~  
8 ~~those that would have existed in the absence of purchases from the proposed~~  
9 ~~plant; and~~

10 ~~(6) The the supply and cost characteristics of the proposed plant,~~  
11 ~~including the costs of operation and maintenance of an existing plant during~~  
12 ~~the term of a proposed contract.~~

13 \* \* \*

14 ~~(f) With respect to a plant used to satisfy the baseload renewable power~~  
15 ~~portfolio requirement:~~

16 \* \* \*

17 ~~(2) Any tradeable renewable energy credits and attributes that are~~  
18 ~~attributable to the electricity purchased shall be transferred to the Vermont~~  
19 ~~retail electricity providers in accordance with their pro rata share of the costs~~  
20 ~~for such electricity as determined under subdivision (1) of this subsection.~~

1 ~~(j) The Commission shall authorize any Agency participating in a~~  
2 proceeding pursuant to this section or an Order issued under this section to  
3 assess its costs against a proposed plant consistent with section 21 of this title.

4 Sec. 2. 2021 Acts and Resolves No. 39, Sec. 2 is amended to read:

5 Sec. 2. PUBLIC UTILITY COMMISSION ORDER EXTENSION

6 All decisions and orders of the former Public Service Board and the Public  
7 Utility Commission in the matter Investigation into the Establishment of a  
8 Standard-Offer Price for Baseload Renewable Power under the Sustainably  
9 Priced Energy Enterprise Development (SPEED) Program, Docket No. 7782,  
10 shall remain in full force and effect through October 31, 2024 2032. For years  
11 2023 and, 2024, and 2025 and the period from January 1, 2026 to November  
12 1, 2026, the purchase price shall be the levelized value determined in Docket  
13 No. 7782.

14 Sec. 3. AUTOMATIC TERMINATION OF MUST TAKE OBLIGATION

15 (a) On or before July 1, 2023, the owner of a plant used to satisfy the  
16 baseload renewable power portfolio requirement provided for in 30 V.S.A.  
17 § 8009 shall submit to the Public Utility Commission and the Department of  
18 Public Service:

19 (1) a signed contract providing for the construction of a facility at the  
20 plant that will utilize the excess thermal heat generated at the plant for a  
21 beneficial purpose, and

1 ~~(2) a certification by a professional engineer that the construction of the~~  
2 ~~facility will result in at least 40 percent of the heat value of the biomass~~  
3 ~~utilized by the plant being used for a beneficial purpose.~~

4 ~~(b) If a contract and certification is not submitted to the Commission and~~  
5 ~~Department on or before July 1, 2023 or if by November 1, 2025 the Public~~  
6 ~~Utility Commission finds that less than 40 percent of the heat value of biomass~~  
7 ~~is not being utilized for a beneficial purpose, then the obligation under~~  
8 ~~30 V.S.A. § 8009 for each Vermont retail electricity provider to purchase a pro~~  
9 ~~rata share of the baseload renewable power portfolio requirement with respect~~  
10 ~~to the plant shall cease on November 1, 2025, and the Public Utility~~  
11 ~~Commission is not required to conduct the rate determination provided for in~~  
12 ~~30 V.S.A. § 8009(d). This determination shall be based on information~~  
13 ~~provided by the owner of each plant and the Department of Public Service.~~

14 Sec. 4. EFFECTIVE DATE

15 ~~This act shall take effect on passage.~~

~~§ 1. 30 V.S.A. § 8009 is amended to read:~~

~~§ 8009. BASELOAD RENEWABLE POWER PORTFOLIO  
REQUIREMENT~~

~~\* \* \*~~

~~(b) Notwithstanding subsection 8004(a) and subdivision 8005(c)(1) of this  
title, commencing November 1, 2012, each Vermont retail electricity provider  
shall purchase the provider's pro rata share of the baseload renewable power  
portfolio requirement, which shall be based on the total Vermont retail kWh  
sales of all such providers for the previous calendar year. The obligation  
created by this subsection shall cease on November 1, 2024 2025.~~

*\* \* \**

*Sec. 2. 2021 Acts and Resolves No. 39, Sec. 2 is amended to read:*

*Sec. 2. PUBLIC UTILITY COMMISSION ORDER EXTENSION*

*All decisions and orders of the former Public Service Board and the Public Utility Commission in the matter Investigation into the Establishment of a Standard-Offer Price for Baseload Renewable Power under the Sustainably Priced Energy Enterprise Development (SPEED) Program, Docket No. 7782, shall remain in full force and effect through October 31, 2024 2025. For years 2023 ~~and~~, 2024, and the period from January 1, 2025 to October 31, 2025, the purchase price shall be the levelized value determined in Docket No. 7782.*

*Sec. 3. 2021 Acts and Resolves No. 39, Sec. 3 is amended to read:*

*Sec. 3. BASELOAD RENEWABLE POWER PORTFOLIO  
REQUIREMENT; COLOCATION REPORT*

*On or before January 15, 2023-2024, the owner of the baseload renewable power plant subject to 30 V.S.A. § 8009(b) shall report to the General Assembly on whether a project utilizing the excess thermal energy generated by the plant has been developed and is operational, or when a project utilizing the excess thermal energy generated by the plant will be operational.*

*Sec. 4. EFFECTIVE DATE*

*This act shall take effect on passage.*

*Sec. 1. 30 V.S.A. § 8009 is amended to read:*

*§ 8009. BASELOAD RENEWABLE POWER PORTFOLIO  
REQUIREMENT*

*\* \* \**

*(b) Notwithstanding subsection 8004(a) and subdivision 8005(c)(1) of this title, commencing November 1, 2012, each Vermont retail electricity provider shall purchase the provider's pro rata share of the baseload renewable power portfolio requirement, which shall be based on the total Vermont retail kWh sales of all such providers for the previous calendar year. The obligation created by this subsection shall cease on November 1, 2024 2032 unless terminated earlier pursuant to subsection (k) of this section.*

*\* \* \**

*(d) The On or before November 1, 2026, the Commission shall determine, for the period beginning on November 1, 2026 and ending on November 1, 2032, the price to be paid to a plant used to satisfy the baseload renewable power portfolio requirement. The Commission shall not be required to make this determination as a contested case under 3 V.S.A. chapter 25. The price shall be the avoided cost of the Vermont composite electric utility system. ~~As used in this subsection, the term “avoided cost” means the incremental cost to retail electricity providers of electric energy or capacity, or both, which, but for the purchase from the plant proposed to satisfy the baseload renewable power portfolio requirement, such providers would obtain from a source using the same generation technology as the proposed plant. ~~For the purposes of this subsection, the term “avoided cost” also includes the Commission’s consideration of each of the following:~~~~*

*(1) The relevant cost data of the Vermont composite electric utility system.*

*(2) The terms of the potential contract, including the duration of the obligation.*

*(3) The availability, during the system’s daily and seasonal peak periods, of capacity or energy from a proposed plant.*

*(4) The relationship of the availability of energy ~~or~~, capacity, renewable energy credits and attributes, and other ISO New England revenue streams from the proposed plant to the ability of the Vermont composite electric utility system or a portion thereof to avoid costs. Vermont retail electricity providers shall receive all output of the baseload renewable plant unless the contract price is reduced to reflect the value of all products, attributes, and services that are retained by the seller.*

*(5) The costs or savings resulting from variations in line losses from those that would have existed in the absence of purchases from the proposed plant.*

*(6) The supply and cost characteristics of the proposed plant, including the costs of operation and maintenance of an existing plant during the term of a proposed contract.*

*(7) Mechanisms for encouraging dispatch of the plant relative to the ISO New England wholesale energy price and value of regional renewable energy credits while also respecting the physical operating parameters, the fixed costs of the proposed plant, and the impact on the forest economy.*

*(8) The appropriate assignment of risks associated with the ISO New England Forward Capacity Market Pay for Performance program.*

*(e) In determining the price under subsection (d) of this section, the Commission:*

*(1) may require a plant proposed to be used to satisfy the baseload renewable power portfolio requirement to produce such information as the Commission reasonably deems necessary;*

*(2) shall not consider the following in the determination of avoided cost:*

*(A) capital investments made to meet the efficiency goal established in subsection (k) of this section;*

*(B) revenue generated by the capital investment made to meet the efficiency goal established in subsection (k) of this section; and*

*(C) operational costs and operational impacts associated with the project or projects implemented to meet the efficiency goals established in subsection (k) of this section; and*

*(3) notwithstanding subdivision (2)(C), shall consider sharing with Vermont retail electricity providers the benefits associated with waste heat that may be used to benefit a facility that does not provide baseload renewable energy.*

*(f) With respect to a plant used to satisfy the baseload renewable power portfolio requirement:*

\* \* \*

*(2) Any tradeable renewable energy credits and attributes that are attributable to the electricity purchased shall be transferred to the Vermont retail electricity providers in accordance with their pro rata share of the costs for such electricity as determined under subdivision (1) of this subsection unless the Commission approves the plant owner retaining renewable energy credits and attributes or other ISO New England revenue streams. If the Commission approves the plant owner retaining renewable energy credits and attributes, or other ISO New England revenue streams, the price paid by the Vermont retail electricity providers pursuant to this section may be reduced by the Commission to reflect the value of those credits, attributes, products, or services.*

\* \* \*

*(j) The Commission shall authorize any Agency participating in a proceeding pursuant to this section or an order issued under this section to assess its costs against a proposed plant consistent with section 21 of this title.*

*(k) Collocation and efficiency requirements.*

(1) The owner of the plant used to satisfy the baseload renewable power portfolio requirement shall cause the plant's overall efficiency to be increased by at least 50 percent relative to the 12-month period preceding July 1, 2022. In achieving this efficiency, the owner shall comply with the requirements of this subsection.

(2) On or before July 1, 2023, the owner of the plant shall submit to the Commission and the Department:

(A) A signed contract providing for the construction of a facility at the plant that utilizes the excess thermal heat generated at the plant for a beneficial purpose. As used in this subdivision (A), beneficial purpose may include the displacement of fossil fuel use for the sustainable production of a product or service or more efficient or less costly generation of electricity.

(B) A certification by a qualified professional engineer that the construction of the facility shall meet the requirement of subdivision (1) of this subsection (k).

(3) On or before October 1, 2024, the owner of the plant shall submit to the Commission and the Department a certification that the main components of the facility used to meet the requirement of subdivision (1) of this subsection (k) have been completed.

(4) If the contract and certification required under subdivision (2) of this subsection are not submitted to the Commission and Department on or before July 1, 2023 or if the certification required under subdivision (3) is not submitted to the Commission and Department on or before October 1, 2024, then the obligation under this section for each Vermont retail electricity provider to purchase a pro rata share of the baseload renewable power portfolio requirement shall cease on November 1, 2024, and the Commission is not required to conduct the rate determination provided for in subsection (d) of this section.

(5) On or before September 1, 2025, the Department shall investigate and submit a recommendation to the Commission on whether the plant has achieved the requirement of subdivision (1) of this subsection. If the Department recommends that the plant has not achieved the requirement of subdivision (1) of this subsection, the obligation under this section shall cease on November 1, 2025, and the Commission is not required to conduct the rate determination provided for in subsection (d) of this section.

(6) After November 1, 2026, the owner of the plant shall report annually to the Department and the Department shall verify the overall efficiency of the plant for the prior 12-month period. If the overall efficiency of the plant falls below the requirement of subdivision (1) of this subsection, the report shall include a plan to return the plant to the required efficiency within one year.

(7) If, after implementing the plan in subdivision (6) of this subsection, the owner of the plant does not achieve the efficiency required in subdivision (1) of this subsection, the Department shall request that the Commission commence a proceeding to terminate the obligation under this section.

(8) The Department may retain research, scientific, or engineering services to assist it in making the recommendation required under subdivision (5) of this subsection and in reviewing the information required under subdivision (6) of this subsection and may allocate the expense incurred or authorized by it to the plant's owner.

(l) Annual report. Beginning on August 1, 2023, the owner of the plant used to satisfy the baseload renewable power portfolio shall report annually to the House Committee on Energy and Technology and Senate Committee on Finance, the Commissioner of Forests, Parks and Recreation, and the Secretary of Commerce and Community Development on the wood fuel purchases for the plant. The report shall include the average monthly price paid for the wood fuel and the source of the wood fuel, including location, number, types, and sources of non-forest-derived wood.

Sec. 2. 2021 Acts and Resolves No. 39, Sec. 2 is amended to read:

Sec. 2. PUBLIC UTILITY COMMISSION ORDER EXTENSION

All decisions and orders of the former Public Service Board and the Public Utility Commission in the matter Investigation into the Establishment of a Standard-Offer Price for Baseload Renewable Power under the Sustainably Priced Energy Enterprise Development (SPEED) Program, Docket No. 7782, shall remain in full force and effect through October 31, 2024 2026. For years 2023 and, 2024, and 2025 and the period from January 1, 2026 to October 31, 2026, the purchase price shall be the levelized value determined in Docket No. 7782.

Sec. 3. REPORT; RYEGATE DECOMMISSIONING FUND

On or before January 15, 2023, the Department of Public Service (Department) shall assess the current value of the Ryegate decommissioning fund and determine if it is sufficient to cover the costs necessary to decommission the plant. The Department shall submit the report to the General Assembly and include any recommendations.

*Sec. 4. REPORT; WOOD FUEL PRICES*

*(a) The Commissioner of Forests, Parks and Recreation in consultation with the Secretary of Commerce and Community Development shall conduct analysis and calculate a minimum fair market price for wood fuel to be used by the plant used to satisfy the baseload renewable power portfolio requirement. The Commissioner may hire a forest economist and interview wood chip fuel producers and examine their costs to determine a range in cost of production that accounts for different equipment types, delivery distance, average wages paid to employees, and return on investment of the enterprises.*

*(b) The Commissioner of Forests, Parks and Recreation may assess the costs of hiring a consultant for the purposes of the report in subsection (a) of this section on the owners of the baseload renewable power plant, up to \$10,000.00.*

*(c) On or before July 1, 2024, the Commissioner shall submit the calculation to the House Committee on Energy and Technology, the Senate Committee on Finance, and the Public Utility Commission.*

*Sec. 5. HARVESTING PRACTICES*

*The Secretary of Natural Resources shall review the Memorandum of Understanding (MOU) that is part of Docket No. 5217 regarding the harvesting policy for Ryegate's wood procurement. On or before July 1, 2023, the Secretary shall provide an update to the House Committee on Energy and Technology and the Senate Committee on Finance on any recommended or completed modifications to the MOU to promote sustainable and healthy forests and forest economy in the region.*

*Sec. 6. EFFECTIVE DATE*

*This act shall take effect on passage.*