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H.40

Introduced by Representatives Klein of East Montpelier and Ellis of  
Waterbury

Referred to Committee on

Date:

Subject: Energy; public service; climate change; greenhouse gas emissions;  
renewable generation

Statement of purpose of bill as introduced: This bill proposes to repeal the  
Sustainably Priced Energy Enterprise Development Program, effective July 1,  
2015. It also proposes, for effect in 2017, to create a Renewable Energy  
Standard and Energy Transformation (RESET) Program for electric utilities  
that contains three elements:

- The bill would convert Vermont’s existing total renewables targets for those utilities into a requirement to own renewable energy or renewable energy credits (RECs) from renewable energy plants. These targets would become total renewable energy requirements.
- The bill would require ownership of specified amounts of renewable energy or RECs from smaller scale distributed renewable generation, which would count toward the total renewable energy requirement.

- 1 • The bill would establish an energy transformation requirement that  
2 utilities would meet through distributed renewable generation or  
3 projects that reduce Vermont's fossil fuel consumption, or both.

4 An act relating to establishing a renewable energy standard and energy  
5 transformation program

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

7 \* \* \* Renewable Energy Standard and Energy  
8 Transformation Program \* \* \*

9 Sec. 1. 30 V.S.A. § 8002 is amended to read:

10 § 8002. DEFINITIONS

11 As used in this chapter:

12 \* \* \*

13 (3) "CPI" means the Consumer Price Index for all urban consumers,  
14 designated as "CPI-U," in the northeast region, as published by the U.S.  
15 Department of Labor, Bureau of Labor Statistics.

16 \* \* \*

17 (6) "Environmental attributes" means the characteristics of a plant that  
18 enable the energy it produces to qualify as renewable energy and include any  
19 and all benefits of the plant to the environment such as avoided emissions or

1 ~~other impacts to air, water, or soil that may occur through the plant's~~

2 displacement of a nonrenewable energy source.

3 (7) "Existing renewable energy" means renewable energy produced by a  
4 plant that came into service prior to or on ~~December 31, 2004~~ June 30, 2015.

5 \* \* \*

6 (13) "New renewable energy" means renewable energy produced by a  
7 specific and identifiable plant coming into service after ~~December 31, 2004~~  
8 June 30, 2015.

9 (A) Energy from within a system of generating plants that includes  
10 renewable energy shall not constitute new renewable energy, regardless of  
11 whether the system includes specific plants that came or come into service  
12 after ~~December 31, 2004~~ June 30, 2015.

13 (B) "New renewable energy" also may include the additional energy  
14 from an existing renewable energy plant retrofitted with advanced technologies  
15 or otherwise operated, modified, or expanded to increase the kWh output of the  
16 plant in excess of an historical baseline established by calculating the average  
17 output of that plant for the 10-year period that ended ~~December 31, 2004~~  
18 June 30, 2015. If the production of new renewable energy through changes in  
19 operations, modification, or expansion involves combustion of the resource,  
20 the system also must result in an incrementally higher level of energy  
21 conversion efficiency or significantly reduced emissions.

1 \*\*\*

2 (17) "Renewable energy" means energy produced using a technology  
3 that relies on a resource that is being consumed at a harvest rate at or below its  
4 natural regeneration rate.

5 (A) For purposes of this subdivision (17), methane gas and other  
6 flammable gases produced by the decay of sewage treatment plant wastes or  
7 landfill wastes and anaerobic digestion of agricultural products, byproducts, or  
8 wastes shall be considered renewable energy resources, but no form of solid  
9 waste, other than agricultural or silvicultural waste, shall be considered  
10 renewable.

11 (B) For purposes of this subdivision (17), no form of nuclear fuel  
12 shall be considered renewable.

13 (C) The only portion of electricity produced by a system of  
14 generating resources that shall be considered renewable is that portion  
15 generated by a technology that qualifies as renewable under this  
16 subdivision (17).

17 (D) The Board by rule may add technologies or technology  
18 categories to the definition of "renewable energy," provided that technologies  
19 using the following fuels shall not be considered renewable energy supplies:  
20 coal, oil, propane, and natural gas.

1 ~~(E) In this chapter, renewable energy refers to either “existing~~  
2 ~~renewable energy” or “new renewable energy.”~~

3 \* \* \*

4 (19) “Retail electricity provider” or “provider” means a company  
5 engaged in the distribution or sale of electricity directly to the public.

6 (20) ~~“SPEED~~ Standard Offer Facilitator” means an entity appointed by  
7 the Board pursuant to ~~subdivision 8005(b)(1)~~ subsection 8005a(a) of this title.

8 (21) ~~“SPEED resources” means contracts for resources in the SPEED~~  
9 ~~program established under section 8005 of this title that meet the definition of~~  
10 ~~renewable energy under this section, whether or not environmental attributes~~  
11 ~~are attached.~~ [Repealed.]

12 (22) “Tradeable renewable energy credits” means all of the  
13 environmental attributes associated with a single unit of energy generated by a  
14 renewable energy source where:

15 (A) those attributes are transferred or recorded separately from that  
16 unit of energy;

17 (B) the party claiming ownership of the tradeable renewable energy  
18 credits has acquired the exclusive legal ownership of all, and not less than all,  
19 the environmental attributes associated with that unit of energy; and

20 (C) exclusive legal ownership can be verified through an auditable  
21 contract path or pursuant to the system established or authorized by the Board

1 ~~or any program for tracking and verification of the ownership of environmental~~  
2 attributes of energy legally recognized in any state and approved by the Board.

3 \* \* \*

4 (24) "Customer" means a retail electric consumer.

5 (25) "Energy transformation project" means an undertaking that  
6 provides energy-related goods or services but does not include or consist of the  
7 generation of electricity and that results in a net reduction in fossil fuel  
8 consumption by the customers of a retail electricity provider and in the  
9 emission of greenhouse gases attributable to that consumption. Examples of  
10 energy transformation projects may include home weatherization or other  
11 thermal energy efficiency measures; air source or geothermal heat pumps;  
12 electric vehicle charging stations; and infrastructure for the storage of  
13 renewable energy on the electric grid.

14 (26) "RESET Program" means the Renewable Energy Standard and  
15 Energy Transformation Program established under sections 8004 and 8005 of  
16 this title.

1 ~~Sec. 2. 30 V.S.A. § 8004 is amended to read:~~

2 § 8004. RENEWABLE PORTFOLIO STANDARDS FOR SALES OF  
3 ELECTRIC ENERGY; RENEWABLE ENERGY STANDARD AND  
4 ENERGY TRANSFORMATION (RESET) PROGRAM

5 (a) ~~Except as otherwise provided in section 8005 of this title, in order for~~  
6 ~~Vermont retail electricity providers to achieve the goals established in section~~  
7 ~~8001 of this title, no~~ Establishment; requirements. The RESET Program is  
8 established. Under this program, a retail electricity provider shall not sell or  
9 otherwise provide or offer to sell or provide electricity in the State of Vermont  
10 without ownership of sufficient energy produced by renewable resources as  
11 described in this chapter, energy plants or sufficient tradeable renewable  
12 energy credits from plants whose energy is capable of delivery in Vermont that  
13 reflect the required amounts of renewable energy as provided for in subsection  
14 (b) of this set forth in section 8005 of this title or without support of energy  
15 transformation projects in accordance with that section. In the case of  
16 members of the Vermont Public Power Supply Authority, the requirements of  
17 this chapter may be met in the aggregate.

18 (b) ~~Each retail electricity provider in Vermont shall provide a certain~~  
19 ~~amount of new renewable resources in its portfolio. Subject to subdivision~~  
20 ~~8005(d)(1) of this title each retail electricity provider in Vermont shall supply~~  
21 ~~an amount of energy equal to its total incremental energy growth between~~

1 ~~January 1, 2005 and January 1, 2012 through the use of electricity generated by~~  
2 ~~new renewable resources. The A retail electricity provider may meet this~~  
3 ~~requirement the required amounts of renewable energy through eligible ~~new~~~~  
4 ~~tradeable renewable energy credits, ~~new~~ eligible renewable energy resources~~  
5 ~~with renewable energy credits still attached, or a combination of those credits~~  
6 ~~and resources. ~~No retail electricity provider shall be required to provide in~~~~  
7 ~~excess of a total of 10 percent of its calendar year 2005 retail electric sales with~~  
8 ~~electricity generated by new renewable resources.~~

9 ~~(c) The requirements of subsection (b) of this section shall apply to all~~  
10 ~~retail electricity providers in this State, unless the retail electricity provider~~  
11 ~~demonstrates and the Board determines that compliance with the standard~~  
12 ~~would impair the provider's ability to meet the public's need for energy~~  
13 ~~services after safety concerns are addressed, at the lowest present value life~~  
14 ~~cycle cost, including environmental and economic costs.~~

15 ~~(d)(b) Rules and procedures. The Board shall ~~provide, by order or rule,~~~~  
16 ~~adopt the ~~regulations~~ rules and procedures that are necessary to allow the~~  
17 ~~Board and the Department to implement and supervise further the~~  
18 ~~implementation and maintenance of a renewable portfolio standard. In its~~  
19 ~~rules, the Board may allow a provider that has met the required amount of~~  
20 ~~renewable energy in a given year to retain tradeable renewable energy credits~~



1 ~~created or purchased in excess of that amount for application to the provider's~~  
2 required amount of renewable energy in one of the following two years.

3 ~~(e)(c) Alternative compliance payment. In lieu of, or in addition to~~  
4 ~~purchasing renewable energy or tradeable renewable energy credits or~~  
5 ~~supporting energy transformation projects to satisfy the portfolio requirements~~  
6 ~~of this section and section 8005 of this title, a retail electricity provider in this~~  
7 ~~State may pay to the Vermont Clean Energy Development Fund established~~  
8 ~~under section 8015 of this title an amount per kWh as established by the Board~~  
9 ~~an alternative compliance payment at the applicable rate set forth in section~~  
10 ~~8005. As an alternative, the Board may require any proportion of this amount~~  
11 ~~to be paid to the Energy Conservation Fund established under subsection~~  
12 ~~209(d) of this title.~~

13 ~~(d) VPPSA members. In the case of members of the Vermont Public~~  
14 ~~Power Supply Authority, the requirements of this chapter may be met in the~~  
15 ~~aggregate.~~

16 ~~(f) Before December 30, 2007 and biennially thereafter through~~  
17 ~~December 30, 2013, the Board shall file a report with the Senate Committees~~  
18 ~~on Finance and on Natural Resources and Energy and the House Committees~~  
19 ~~on Commerce and on Natural Resources and Energy. The report shall include~~  
20 ~~the following:~~

1 ~~(1) the total cumulative growth in electric energy usage in Vermont~~  
2 ~~from 2005 through the end of the year that precedes the date on which the~~  
3 ~~report is due;~~

4 ~~(2) a report on the market for tradeable renewable energy credits,~~  
5 ~~including the prices at which credits are being sold;~~

6 ~~(3) a report on the SPEED program, and any projects using the program;~~

7 ~~(4) a summary of other contracts held or projects developed by Vermont~~  
8 ~~retail electricity providers that are likely to be eligible under the provisions of~~  
9 ~~subsection 8005(d) of this title;~~

10 ~~(5) an estimate of potential effects on rates, economic development, and~~  
11 ~~jobs, if the target established in subsection 8005(d) of this section is met, and if~~  
12 ~~it is not met;~~

13 ~~(6) an assessment of the supply portfolios of Vermont retail electricity~~  
14 ~~providers, and the resources available to meet new supply requirements likely~~  
15 ~~to be triggered by the expiration of major power supply contracts;~~

16 ~~(7) an assessment of the energy efficiency and renewable energy~~  
17 ~~markets and recommendations to the legislature regarding strategies that may~~  
18 ~~be necessary to encourage the use of these resources to help meet upcoming~~  
19 ~~supply requirements;~~

1 ~~(8) any recommendations for statutory change related to this section,~~  
2 including recommendations for rewarding utilities that make substantial  
3 investments in SPEED resources; and

4 ~~(9) the Board's recommendations on how the State might best continue~~  
5 ~~to meet the goals established in section 8001 of this title, including whether the~~  
6 ~~State should meet its growth in energy usage over the succeeding 10 years by a~~  
7 ~~continuation of the SPEED program.~~

8 Sec. 3. 30 V.S.A. § 8005 is amended to read:

9 § 8005. ~~SUSTAINABLY PRICED ENERGY ENTERPRISE~~

10 ~~DEVELOPMENT (SPEED) PROGRAM; RESET PROGRAM~~

11 ~~CATEGORIES~~

12 ~~(a) Creation. To achieve the goals of section 8001 of this title, there is~~  
13 ~~created the Sustainably Priced Energy Enterprise Development (SPEED)~~  
14 ~~program.~~

15 ~~(b) Board; powers and duties. The SPEED program shall be established,~~  
16 ~~by rule, order, or contract, by the Board. As part of the SPEED program, the~~  
17 ~~Board may, and in the case of subdivisions (1), (2), and (5) of this subsection,~~  
18 ~~shall:~~

19 ~~(1) Name one or more entities to become engaged in the purchase and~~  
20 ~~resale of electricity generated within the State by means of SPEED resources.~~

1 ~~An entity appointed under this subdivision shall be known as a SPEED~~

2 ~~Facilitator.~~

3 ~~(2) Issue standard offers for SPEED resources in accordance with~~  
4 ~~section 8005a of this title.~~

5 ~~(3) Maximize the benefit to rate payers from the sale of tradeable~~  
6 ~~renewable energy credits or other credits that may be developed in the future,~~  
7 ~~especially with regard to those plants that accept the standard offer issued~~  
8 ~~under subdivision (2) of this subsection.~~

9 ~~(4) Encourage retail electricity provider and third party developer~~  
10 ~~sponsorship and partnerships in the development of renewable energy projects.~~

11 ~~(5) In accordance with section 8005a of this section, require all Vermont~~  
12 ~~retail electricity providers to purchase from the SPEED Facilitator the power~~  
13 ~~generated by the plants that accept the standard offer required to be issued~~  
14 ~~under section 8005a. For the purpose of this subdivision (5), the Board and the~~  
15 ~~SPEED Facilitator constitute instrumentalities of the State.~~

16 ~~(6) Establish a method for Vermont retail electrical providers to obtain~~  
17 ~~beneficial ownership of the renewable energy credits associated with any~~  
18 ~~SPEED projects, in the event that a renewable portfolio standard comes into~~  
19 ~~effect under the provisions of section 8004 of this title. It shall be a condition~~  
20 ~~of a standard offer required to be issued under subdivision (2) of this~~  
21 ~~subsection that tradeable renewable energy credits associated with a plant that~~

1 ~~accepts the standard offer are owned by the retail electric providers purchasing~~  
2 ~~power from the plant, except that in the case of a plant using methane from~~  
3 ~~agricultural operations, the plant owner shall retain such credits to be sold~~  
4 ~~separately at the owner's discretion.~~

5 ~~(7) [Repealed.]~~

6 ~~(8) Provide that in any proceeding under subdivision 248(a)(2)(A) of~~  
7 ~~this title for the construction of a renewable energy plant, a demonstration of~~  
8 ~~compliance with subdivision 248(b)(2) of this title, relating to establishing~~  
9 ~~need for the plant, shall not be required if the plant is a SPEED resource and if~~  
10 ~~no part of the plant is financed directly or indirectly through investments, other~~  
11 ~~than power contracts, backed by Vermont electricity ratepayers.~~

12 ~~(9) Take such other measures as the Board finds necessary or~~  
13 ~~appropriate to implement SPEED.~~

14 ~~(c) VEDA; eligible facilities. Developers of in-state SPEED resources shall~~  
15 ~~be entitled to classification as an eligible facility under 10 V.S.A. chapter 12,~~  
16 ~~relating to the Vermont Economic Development Authority.~~

17 ~~(d) Goals and targets. To advance the goals stated in section 8001 of this~~  
18 ~~title, the following goals and targets are established.~~

19 ~~(1) 2012 SPEED goal. The Board shall meet on or before January 1,~~  
20 ~~2012 and open a proceeding to determine the total amount of SPEED resources~~  
21 ~~that have been supplied to Vermont retail electricity providers or have been~~

1 ~~issued a certificate of public good. If the Board finds that the amount of~~  
2 ~~SPEED resources coming into service or having been issued a certificate of~~  
3 ~~public good after January 1, 2005 and before July 1, 2012 equals or exceeds~~  
4 ~~total statewide growth in electric retail sales during that time, and in addition,~~  
5 ~~at least five percent of the 2005 total statewide electric retail sales is provided~~  
6 ~~by SPEED resources or would be provided by SPEED resources that have been~~  
7 ~~issued a certificate of public good, or if it finds that the amount of SPEED~~  
8 ~~resources equals or exceeds 10 percent of total statewide electric retail sales for~~  
9 ~~calendar year 2005, the portfolio standards established under this chapter shall~~  
10 ~~not be in force. The Board shall make its determination by January 1, 2013. If~~  
11 ~~the Board finds that the goal established has not been met, one year after the~~  
12 ~~Board's determination the portfolio standards established under subsection~~  
13 ~~8004(b) of this title shall take effect.~~

14 ~~(2) 2017 SPEED goal. A State goal is to assure that 20 percent of total~~  
15 ~~statewide electric retail sales during the year commencing January 1, 2017~~  
16 ~~shall be generated by SPEED resources that constitute new renewable energy.~~  
17 ~~On or before January 31, 2018, the Board shall meet and open a proceeding to~~  
18 ~~determine, for the calendar year 2017, the total amount of SPEED resources~~  
19 ~~that were supplied to Vermont retail electricity providers and the total amount~~  
20 ~~of statewide retail electric sales.~~

1 ~~(3) Determinations. For the purposes of the determinations to be made~~  
2 ~~under subdivisions (1) and (2) of this subsection (d), the total amount of~~  
3 ~~SPEED resources shall be the amount of electricity produced at SPEED~~  
4 ~~resources owned by or under long-term contract to Vermont retail electricity~~  
5 ~~providers that is new renewable energy.~~

6 (a) Categories. This section specifies three categories of required resources  
7 to meet the requirements of the RESET Program established in section 8004 of  
8 this title: total renewable energy, distributed renewable generation, and energy  
9 transformation.

10 ~~(4)(1) Total renewables targets renewable energy. This~~

11 (A) Purpose; establishment. To encourage the economic and  
12 environmental benefits of renewable energy, this subdivision establishes, as  
13 percentages of annual electric sales, target for the RESET program, minimum  
14 total amounts of total renewable energy within the supply portfolio of each  
15 retail electricity provider. To satisfy this requirement, a provider may use  
16 renewable energy with environmental attributes attached or tradeable  
17 renewable energy credits generated by any renewable energy plant whose  
18 energy is capable of delivery in Vermont.

19 ~~(A)(B) Required amounts. The target amounts of total renewable~~  
20 ~~energy established required by this subsection shall be 55 percent of each retail~~  
21 ~~electricity provider's annual electric sales during the year beginning January 1,~~

1 ~~2017, increasing by an additional four one and one third percent each third~~  
2 ~~subsequent January 1 thereafter, until reaching 75 percent on and after~~  
3 ~~January 1, 2032.~~

4 ~~(D) Each retail electricity provider shall manage its supply portfolio~~  
5 ~~to be reasonably consistent with the target amounts established by this~~  
6 ~~subdivision (4). The Board shall consider such consistency during the course~~  
7 ~~of reviewing a retail electricity provider's charges and rates under this title,~~  
8 ~~integrated resource plans under section 218c of this title, and petitions under~~  
9 ~~section 248 (new gas and electric purchases, investments, and facilities) of this~~  
10 ~~title.~~

11 ~~(C) Relationship to other categories. Distributed renewable~~  
12 ~~generation used to meet the requirements of subdivision (2) of this subsection~~  
13 ~~shall also count toward the requirements of this subdivision. However, an~~  
14 ~~energy transformation project under subdivision (3) of this subsection shall not~~  
15 ~~count toward the requirements of this subdivision.~~

16 ~~(2) Distributed renewable generation.~~

17 ~~(A) Purpose; establishment. This subsection establishes a distributed~~  
18 ~~renewable generation category for the RESET program. This category~~  
19 ~~encourages the use of distributed generation to support the reliability of the~~  
20 ~~State's electric system; reduce line losses; contribute to avoiding or deferring~~  
21 ~~improvements to that system necessitated by transmission or distribution~~



1 ~~constraints; and diversify the size and type of resources connected to that~~  
2 system. This category requires the use of renewable energy for these purposes  
3 to reduce environmental and health impacts from air emissions that would  
4 result from using other forms of generation.

5 (B) Definition. As used in this section, “distributed renewable  
6 generation” means one of the following:

7 (i) a renewable energy plant that is new renewable energy; has a  
8 plant capacity of five MW or less; and

9 (I) is directly connected to the subtransmission or distribution  
10 system of a Vermont retail electricity provider; or

11 (II) is directly connected to the transmission system of an  
12 electric company required to submit a Transmission System Plan under  
13 subsection 218c(d) of this title, if the plant is part of a plan approved by the  
14 Board to avoid or defer a transmission system improvement needed to address  
15 a transmission system reliability deficiency identified and analyzed in that  
16 Plan; or

17 (ii) a net metering system approved under the former section 219a  
18 or under section 8010 of this title if the system is new renewable energy and  
19 the interconnecting retail electricity provider owns and retires the system’s  
20 environmental attributes.

1 ~~(C) Required amounts. The required amounts of distributed~~  
2 ~~renewable generation shall be one percent of each retail electricity provider's~~  
3 ~~annual electric sales during the year beginning January 1, 2017, increasing by~~  
4 ~~an additional three-fifths of a percent each subsequent January 1 until reaching~~  
5 ~~10 percent on and after January 1, 2032.~~

6 ~~(D) Distributed generation greater than five MW. On petition of a~~  
7 ~~retail electricity provider, the Board may for a given year allow the provider to~~  
8 ~~employ a renewable energy plant with a plant capacity greater than five MW to~~  
9 ~~satisfy the distributed renewable generation requirement if the plant would~~  
10 ~~qualify as distributed renewable generation but for its plant capacity and the~~  
11 ~~provider demonstrates that it is unable during that year to meet the requirement~~  
12 ~~solely with qualifying renewable energy plants of five MW or less.~~

13 ~~(3) Energy transformation.~~

14 ~~(A) Purpose; establishment. This subsection establishes an energy~~  
15 ~~transformation category for the RESET program. This category encourages~~  
16 ~~Vermont retail electricity providers to support additional distributed renewable~~  
17 ~~generation or, at less cost than such generation, to support other projects to~~  
18 ~~reduce fossil fuel consumed by their customers and the emission of greenhouse~~  
19 ~~gases attributable to that consumption. A retail electricity provider may satisfy~~  
20 ~~the energy transformation requirement through distributed renewable~~

1 ~~generation or energy transformation projects or a combination of such~~  
2 ~~generation and projects.~~

3 (B) Required amounts. For the energy transformation category, the  
4 required amounts shall be two percent of each retail electricity provider's  
5 annual electric sales during the year beginning January 1, 2017, increasing by  
6 an additional two-thirds of a percent each subsequent January 1 until reaching  
7 12 percent on and after January 1, 2032.

8 (C) Eligibility criteria. For an energy transformation project to be  
9 eligible under this subdivision (a)(3):

10 (i) implementation of the project shall have commenced on or  
11 after January 1, 2015; and

12 (ii) the project shall:

13 (I) over its life, result in a net reduction in fossil fuel consumed  
14 by the provider's customers and in the emission of greenhouse gases  
15 attributable to that consumption, whether or not the fuel is supplied by the  
16 provider;

17 (II) meet the need for its good or services at the lowest present  
18 value life cycle cost, including environmental and economic costs; and

19 (III) cost less per MWH than the purchase of tradeable  
20 renewable energy credits for distributed renewable generation.

1 ~~(D) Conversion. For the purpose of determining eligibility and the~~  
2 application of the energy transformation project to a provider's annual  
3 requirement, the provider shall convert the net reduction in fossil fuel  
4 consumption resulting from the provider's support of the energy  
5 transformation project to a MWH equivalent of electric energy, in accordance  
6 with rules adopted by the Board. The conversion shall use the most recent  
7 year's approximate heat rate for electricity net generation from the total fossil  
8 fuels category as reported by the U.S. Energy Information Administration in its  
9 Monthly Energy Review.

10 (E) Other sources.

11 (i) An energy transformation project under this subdivision (3)  
12 shall deliver services through persons other than a retail electricity provider  
13 unless one of the following applies:

14 (I) Service delivery through the provider is more cost-effective  
15 than delivery by another person or there is no person other than the provider  
16 willing and able to deliver the services.

17 (II) Implementation of the energy transformation project  
18 commenced before July 1, 2015 and the project's service delivery was by a  
19 provider.

20 (ii) An energy transformation project may provide incremental  
21 support to a program authorized under Vermont statute that meets the

1 ~~eligibility criteria of this subsection (a) but may take credit only for the~~  
2 ~~additional amount of service supported and shall not take credit for that~~  
3 ~~program's regularly budgeted or approved investments.~~

4 (F) Rules. The Board shall adopt rules to carry out this  
5 subsection (a). These rules shall include each of the following:

6 (i) The conversion methodology in accordance with  
7 subdivision (3)(D) of this subsection (a).

8 (ii) A procedure for prior approval of energy transformation  
9 projects by the Board or its designee. This procedure shall ensure that each of  
10 these projects meets the requirements of this subsection (a) and need not  
11 consist of individual review of each energy transformation project prior to  
12 implementation as long as the mechanism ensures those requirements are met.

13 (iii) A mechanism to ensure periodic verification of an energy  
14 transformation project's claimed fossil fuel reductions, avoided greenhouse gas  
15 emissions, conversion to MWH equivalent, cost-effectiveness and, if  
16 applicable, energy savings.

17 (iv) Provisions to ensure the coordinated delivery of energy  
18 transformation projects with the delivery of similar services, including  
19 low-income weatherization programs, entities that fund and support affordable  
20 housing, energy efficiency programs delivered under section 209 of this title.

1 ~~and other energy efficiency programs delivered locally or regionally within~~  
2 ~~the State.~~

3 ~~(v) Provisions to ensure that, if an energy transformation project~~  
4 ~~will increase the use of electric energy, the project incorporates best practices~~  
5 ~~for demand management and will use technologies appropriate for Vermont.~~

6 ~~(vi) A procedure under which a provider may withdraw from or~~  
7 ~~terminate, in an orderly manner, an ongoing energy transformation project that~~  
8 ~~no longer meets the eligibility criteria because of changes in the price of~~  
9 ~~tradeable renewable energy credits or another factor beyond the control of the~~  
10 ~~project and the provider.~~

11 ~~(4) Alternative compliance rates.~~

12 ~~(A) The alternative compliance payment rates for the categories~~  
13 ~~established by this subsection (a) shall be:~~

14 ~~(i) total renewable energy requirement – \$0.01 per kWh; and~~

15 ~~(ii) distributed renewable generation and energy transformation~~  
16 ~~requirements – \$0.07 per kWh.~~

17 ~~(B) The Board shall adjust these rates for inflation annually~~  
18 ~~commencing January 1, 2018, using the CPI.~~

19 ~~(b) Reduced amounts; providers; 100 percent renewable.~~

20 ~~(1) The provisions of this subsection shall apply to a retail electricity~~  
21 ~~provider that:~~

1 ~~(A) as of January 1, 2015, was entitled, through contract, ownership~~  
2 of energy produced by its own generation facilities, or both, to an amount of  
3 renewable energy equal to or more than 100 percent of its anticipated total  
4 retail electric sales in 2017, regardless of whether the provider owned the  
5 environmental attributes of that renewable energy; and

6 (B) commencing April 1, 2015, owns and has retired tradeable  
7 renewable energy credits monitored and traded on the New England  
8 Generation Information System or otherwise approved by the Board equivalent  
9 to 100 percent of the provider's total retail sales of electricity, calculated as an  
10 average on an annual basis.

11 (2) A provider meeting the requirements of subdivision (1) of this  
12 subsection may:

13 (A) satisfy the distributed renewable generation requirement of this  
14 section through the amount of renewable energy generated by net metering  
15 systems within its service territory; and

16 (B) if the Board has appointed the provider as an energy efficiency  
17 entity under subsection 209(d) of this title, propose to the Board to reduce the  
18 energy transformation requirement that would otherwise apply to the provider  
19 under this section.

1 ~~(i) The provider may make and the Board may review such a~~  
2 proposal in connection with a periodic submission made by the provider  
3 pursuant to its appointment under subsection 209(d) of this title.

4 (ii) The Board may approve a proposal under this subdivision (B)  
5 if it finds that:

6 (I) the energy transformation requirement that would otherwise  
7 apply under this section exceeds the technical potential for cost-effective  
8 energy transformation projects in the provider's service territory that meet the  
9 eligibility criteria for these projects under this section; and

10 (II) the reduced energy transformation requirement proposed  
11 by the provider is not less than the amount sufficient to ensure the provider's  
12 deployment or support of energy transformation projects that will acquire that  
13 technical potential.

14 (iii) The measure of cost-effectiveness under this subdivision (B)  
15 shall be the alternative compliance payment rate established in this section for  
16 the energy transformation requirement.

17 (c) Biomass.

18 (1) Distributed renewable generation that employs biomass to produce  
19 electricity shall be eligible to count toward a provider's distributed renewable  
20 generation or energy transformation requirement only if the plant produces



1 ~~both electricity and thermal energy from the same biomass fuel and the~~  
2 ~~majority of the energy recovered from the plant is thermal energy.~~

3 ~~(2) Distributed renewable generation and energy transformation projects~~  
4 ~~that employ biomass to produce energy shall comply with harvesting and~~  
5 ~~procurement standards adopted by the Commissioner of Forests, Parks and~~  
6 ~~Recreation under 10 V.S.A. § 2751.~~

7 ~~(d) Low-impact hydropower. A hydroelectric renewable energy plant shall~~  
8 ~~be eligible to satisfy the distributed renewable generation or energy~~  
9 ~~transformation requirement only if, in addition to meeting the definition of~~  
10 ~~distributed renewable generation, the plant is and continues to be certified by~~  
11 ~~the Low-impact Hydropower Institute of Portland, Maine.~~

12 ~~(e) Regulations and procedures. The Board shall provide, by order or rule,~~  
13 ~~the regulations and procedures that are necessary to allow the Board and the~~  
14 ~~Department to implement, and to supervise further the implementation and~~  
15 ~~maintenance of the SPEED program. These rules shall assure that decisions~~  
16 ~~with respect to certificate of public good applications for construction of~~  
17 ~~SPEED resources shall be made in a timely manner.~~

18 ~~(f) Preapproval. In order to encourage joint efforts on the part of regulated~~  
19 ~~companies to purchase power that meets or exceeds the SPEED standards and~~  
20 ~~to secure stable, long-term contracts beneficial to Vermonters, the Board may~~

1 ~~establish standards for pre-approving the recovery of costs incurred on a~~  
2 ~~SPEED project that is the subject of that joint effort.~~

3 ~~(g) State; nonliability. The State and its instrumentalities shall not be liable~~  
4 ~~to a plant owner or retail electricity provider with respect to any matter related~~  
5 ~~to SPEED, including costs associated with a standard offer contract under this~~  
6 ~~section or section 8005a of this title or any damages arising from breach of~~  
7 ~~such a contract, the flow of power between a plant and the electric grid, or the~~  
8 ~~interconnection of a plant to that grid.~~

9 ~~(h) (n) [Repealed.]~~

10 Sec. 4. 30 V.S.A. § 8005a is amended to read:

11 § 8005a. ~~SPEED~~; STANDARD OFFER PROGRAM

12 (a) Establishment. A standard offer program is established ~~within the~~  
13 ~~SPEED program~~. To achieve the goals of section 8001 of this title, the Board  
14 shall issue standard offers for renewable energy plants that meet the eligibility  
15 requirements of this section. The Board shall implement these standard offers  
16 ~~through the SPEED facilitator~~ by rule, order, or contract and shall appoint a  
17 Standard Offer Facilitator assist in this implementation. For the purpose of  
18 this section, the Board and the Standard Offer Facilitator constitute  
19 instrumentalities of the State.

20 \* \* \*

1 ~~(k) Executed standard offer contracts; transferability; allocation of benefits~~

2 and costs. With respect to executed contracts for standard offers under this  
3 section:

4 (1) A contract shall be transferable. The contract transferee shall notify  
5 the ~~SPEED~~ Standard Offer Facilitator of the contract transfer within 30 days of  
6 transfer.

7 (2) The ~~SPEED~~ Standard Offer Facilitator shall distribute the electricity  
8 purchased to the Vermont retail electricity providers at the price paid to the  
9 plant owners, allocated to the providers based on their pro rata share of total  
10 Vermont retail kWh sales for the previous calendar year, and the Vermont  
11 retail electricity providers shall accept and pay the ~~SPEED~~ Standard Offer  
12 Facilitator for the electricity. However, during any given calendar year:

13 (A) Calculation of pro rata shares under this subdivision (2) shall  
14 include an adjustment in the allocation to a provider if one or more of the  
15 provider's customers created greenhouse gas reduction credits under section  
16 8006a of this title that are used to reduce the size of the annual increase under  
17 subdivision (c)(1)(C)(~~adjustment; greenhouse gas reduction credits~~) of this  
18 section. The adjustment shall ensure that any and all benefits or costs from the  
19 use of such credits flow to the provider whose customers created the credits.

20 The savings that a provider realizes as a result of this application of greenhouse

1 ~~gas reduction credits shall be passed on proportionally to the customers that~~  
2 created the credits.

3 (B) A retail electricity provider shall be exempt and wholly relieved  
4 from the requirements of this subdivision ~~and subdivision 8005(b)(5)~~  
5 ~~(requirement to purchase standard offer power)~~ of this title if, during the  
6 immediately preceding 12-month period ending October 31, the amount of  
7 renewable energy supplied to the provider by generation owned by or under  
8 contract to the provider, regardless of whether the provider owned the energy's  
9 environmental attributes, was not less than the amount of energy sold by the  
10 provider to its retail customers.

11 (3) The ~~SPEED~~ Standard Offer Facilitator shall transfer the  
12 environmental attributes, including any tradeable renewable energy credits, of  
13 electricity purchased under standard offer contracts to the Vermont retail  
14 electricity providers in accordance with their pro rata share of the costs for  
15 such electricity as determined under subdivision (2) of this subsection (k),  
16 except that in the case of a plant using methane from agricultural operations,  
17 the plant owner shall retain such attributes and credits to be sold separately at  
18 the owner's discretion. It shall be a condition of a standard offer issued under  
19 this section that tradeable renewable energy credits associated with a plant that  
20 accepts the standard offer are owned by the retail electric providers purchasing

1 ~~power from the plant, except in the case of a plant using methane from~~  
2 ~~agricultural operations.~~

3 (4) The ~~SPEED~~ Standard Offer Facilitator shall transfer all capacity  
4 rights attributable to the plant capacity associated with the electricity  
5 purchased under standard offer contracts to the Vermont retail electricity  
6 providers in accordance with their pro rata share of the costs for such  
7 electricity as determined under subdivision (2) of this subsection (k).

8 (5) All reasonable costs of a Vermont retail electricity provider incurred  
9 under this subsection shall be included in the provider's revenue requirement  
10 for purposes of ratemaking under sections 218, 218d, 225, and 227 of this title.  
11 In including such costs, the Board shall appropriately account for any credits  
12 received under subdivisions (3) and (4) of this subsection (k). Costs included  
13 in a retail electricity provider's revenue requirement under this subdivision (5)  
14 shall be allocated to the provider's ratepayers as directed by the ~~board~~ Board.

15 (1) ~~SPEED~~ Standard Offer Facilitator; expenses; payments. With respect to  
16 standard offers under this section, the Board shall ~~by rule or order:~~

17 (1) ~~Determine~~ determine a ~~SPEED~~ Standard Offer Facilitator's  
18 reasonable expenses arising from its role and the allocation of the expenses  
19 among plant owners and Vermont retail electricity providers;:

1 ~~(2) Determine determine the manner and timing of payments by a~~  
2 ~~SPEED Standard Offer~~ Facilitator to plant owners for energy purchased under  
3 an executed contract for a standard offer;

4 (3) ~~Determine determine~~ the manner and timing of payments to the  
5 ~~SPEED Standard Offer~~ Facilitator by the Vermont retail electricity providers  
6 for energy distributed to them under executed contracts for standard offers;

7 (4) ~~Establish establish~~ reporting requirements of a ~~SPEED Standard~~  
8 ~~Offer~~ Facilitator, a plant owner, and a Vermont retail electricity provider.

9 \* \* \*

10 (n) Wood biomass. ~~Wood~~ In addition to the other requirements of this  
11 section, wood biomass resources ~~that would otherwise constitute qualifying~~  
12 ~~SPEED~~ resources may receive a standard offer under this section only if they  
13 have a design system efficiency (the sum of full load design thermal output and  
14 electric output divided by the heat input) of at least 50 percent.

15 \* \* \*

16 (q) Allocation of regulatory costs. The Board and Department may  
17 authorize or retain legal counsel, official stenographers, expert witnesses,  
18 advisors, temporary employees, and research services in conjunction with  
19 implementing their responsibilities under this section. In lieu of allocating  
20 such costs pursuant to subsection 21(a) of this title, the Board or Department

1 ~~may allocate the expense in the same manner as the SPEED Standard Offer~~

2 Facilitator's costs under subdivision (1)(1) of this section.

3 (r) State; nonliability. The State and its instrumentalities shall not be liable  
4 to a plant owner or retail electricity provider with respect to any matter related  
5 to the standard offer program, including costs associated with a standard offer  
6 contract or any damages arising from the breach of such a contract, the flow of  
7 power between a plant and the electric grid, or the interconnection of a plant to  
8 that grid.

9 Sec. 5. INTENT; AMENDMENT OF 30 V.S.A. § 8005a

10 The General Assembly's intent in the amendments to 30 V.S.A. § 8005a set  
11 forth in Sec. 4 of this act is to clarify the text because of the repeal of the  
12 Sustainably Priced Energy Enterprise Development Program in Sec. 3 of this  
13 act and to move provisions relating to the standard offer program from  
14 30 V.S.A. § 8005 into section 8005a. The General Assembly does not intend  
15 any provision of this act to be interpreted as a substantive change to the  
16 standard offer program.

17 Sec. 6. 30 V.S.A. § 8005b is amended to read:

18 § 8005b. RENEWABLE ENERGY PROGRAMS; BIENNIAL REPORT

19 (a) On or before January 15, 2013, and no later than every second  
20 January 15 thereafter through January 15, 2033, the Board shall file a report  
21 with the General Assembly in accordance with this section. The Board shall

1 ~~prepare the report in consultation with the Department. The provisions of~~

2 2 V.S.A. § 20(d) (expiration of required reports) shall not apply to the report to  
3 be made under this subsection.

4 (b) The report under this section shall include at least each of the  
5 following:

6 (1) The retail sales, in kWh, of electricity in Vermont during the  
7 preceding calendar year. The report shall include the statewide total and the  
8 total sold by each retail electricity provider.

9 ~~The amount of SPEED resources~~ Each retail electricity provider's  
10 required amount of renewable energy during the preceding calendar year for  
11 each category of the RESET Program as set forth in section 8005 of this title.

12 (3) For the preceding calendar year, the amounts of renewable energy  
13 and tradeable renewable energy credits eligible to satisfy the requirements of  
14 sections 8004 and 8005 of this title actually owned by the Vermont retail  
15 electricity providers, expressed as a percentage of retail kWh sales. The report  
16 shall include the statewide total and the total owned by each retail electricity  
17 provider for each of these amounts and shall discuss the progress of each  
18 provider toward achieving the goals and targets of subsection 8005(d)(SPEED)  
19 each of the categories set forth in section 8005 of this title. The report to be  
20 filed under this subsection on or before January 15, 2019 shall discuss and  
21 attach the Board's determination under subdivision 8005(d)(2)(2017 SPEED)



1 ~~goal) of this title. The report shall summarize the energy transformation~~  
2 ~~projects undertaken pursuant to section 8005 of this title, their costs, their~~  
3 ~~claimed avoided fossil fuel consumption and greenhouse gas emissions, and, if~~  
4 ~~applicable, claimed energy savings.~~

5 ~~(3) A summary of the activities of the SPEED program under section~~  
6 ~~8005 of this title, including the name, location, plant capacity, and average~~  
7 ~~annual energy generation, of each SPEED resource within the program.~~

8 ~~(4) A summary of the activities of the standard offer program under~~  
9 ~~section 8005a of this title, including the number of plants participating in the~~  
10 ~~program, the prices paid by the program, and the plant capacity and average~~  
11 ~~annual energy generation of the participating plants. The report shall present~~  
12 ~~this information as totals for all participating plants and by category of~~  
13 ~~renewable energy technology. The report also shall identify the number of~~  
14 ~~applications received, the number of participating plants under contract, and~~  
15 ~~the number of participating plants actually in service.~~

16 ~~(5) An assessment of the energy efficiency and renewable energy~~  
17 ~~markets and recommendations to the General Assembly regarding strategies~~  
18 ~~that may be necessary to encourage the use of these resources to help meet~~  
19 ~~upcoming supply requirements.~~

20 ~~(6) An assessment of whether Vermont retail electric rates are rising~~  
21 ~~faster than inflation as measured by the CPI, and a comparison of Vermont's~~

1 ~~electric rates with electric rates in other New England states. If statewide~~  
2 average rates have risen more than 0.2 percentage points per year faster than  
3 inflation over the preceding two or more years, the report shall include an  
4 assessment of the contributions to rate increases from various sources, such as  
5 the costs of energy and capacity, costs due to construction of transmission and  
6 distribution infrastructure, and costs due to compliance with the requirements  
7 of section 8005a (~~SPEED program~~; standard offer) of this title. Specific  
8 consideration shall be given to the price of renewable energy and the diversity,  
9 reliability, availability, dispatch flexibility, and full life cycle cost, including  
10 environmental benefits and greenhouse gas reductions, on a net present value  
11 basis of renewable energy resources available from suppliers. The report shall  
12 include any recommendations for statutory change that arise from this  
13 assessment. If electric rates have increased primarily due to cost increases  
14 attributable to nonrenewable sources of electricity or to the electric  
15 transmission or distribution systems, the report shall include a recommendation  
16 regarding whether to increase the size of the annual increase described in  
17 subdivision 8005a(c)(1)(~~standard offer~~; cumulative capacity pace) of this title.

18 (7)(A) An assessment of whether strict compliance with the  
19 requirements of section 8005a (~~SPEED program~~; standard offer) of this title:

- 1 ~~(i) has caused one or more providers to raise its retail rates faster~~  
2 over the preceding two or more years than statewide average retail rates have  
3 risen over the same time period;
- 4 (ii) will cause retail rate increases particular to one or more  
5 providers; or
- 6 (iii) will impair the ability of one or more providers to meet the  
7 public's need for energy services in the manner set forth under subdivision  
8 218c(a)(1) of this title (least-cost integrated planning).

9 (B) Based on this assessment, consideration of whether statutory  
10 changes should be made to grant providers additional flexibility in meeting  
11 requirements of section 8005a of this title.

12 (8) Any recommendations for statutory change related to sections 8004,  
13 8005, and 8005a of this title.

14 Sec. 7. 30 V.S.A. § 8006 is amended to read:

15 § 8006. TRADEABLE CREDITS

16 (a) The Board shall establish or adopt a system of tradeable renewable  
17 energy credits for renewable resources that may be earned by electric  
18 generation qualifying for the renewables portfolio standard. The system shall  
19 be designed to be consistent with regional practices; shall recognize tradeable  
20 renewable energy credits monitored and traded on the New England  
21 Generation Information System (GIS); and shall provide a process for the

1 ~~recognition, approval, and monitoring of environmental attributes and~~  
2 tradeable renewable energy credits associated with renewable energy that are  
3 eligible to satisfy the requirements of sections 8004 and 8005 of this title but  
4 are not monitored and traded on the GIS.

5 (b) The Board shall ensure that all electricity provider and provider-affiliate  
6 disclosures and representations made with regard to a provider's portfolio are  
7 accurate and reasonably supported by objective data. Further, the Board shall  
8 ensure that providers disclose the types of generation used ~~and whether the~~  
9 ~~energy is Vermont-based,~~ and shall clearly distinguish between energy or  
10 tradeable energy credits provided from renewable and nonrenewable energy  
11 sources and existing and new ~~sources~~ renewable energy.

12 Sec. 8. PUBLIC SERVICE BOARD RULEMAKING

13 (a) On or before August 1, 2015, the Public Service Board (the Board) shall  
14 commence a rulemaking proceeding to adopt initial rules to implement Secs. 2  
15 (sales of electric energy; RESET Program), 3 (RESET Program categories),  
16 and 7 (tradeable renewable energy credits) of this act.

17 (b) On or before April 1, 2016, the Board shall submit final proposed rules  
18 under this section to the Secretary of State and the Legislative Committee on  
19 Administrative Rules pursuant to 3 V.S.A. § 841.

20 (c) On or before July 1, 2016, the Board shall finally adopt initial rules to  
21 implement Secs. 2, 3, and 7 of this act to take effect on January 1, 2017. If the

1 ~~Board is unable to finally adopt these rules by July 1, 2016, the Board may~~  
2 issue an order by that date stating the requirements of the initial rules for the  
3 renewable portfolio standard to take effect on January 1, 2017, if that order is  
4 followed by final adoption of those initial rules for this program prior to  
5 January 1, 2017. Initial rules finally adopted under this subsection (c) shall not  
6 be subject to the requirement of 3 V.S.A. § 843(c) to finally adopt rules within  
7 eight months of the initial filing.

8 (d) The Board and the Department of Public Service may retain experts and  
9 other personnel to assist them with the rulemaking under this section and  
10 allocate the costs of these personnel to the electric distribution utilities in  
11 accordance with the procedures under 30 V.S.A. § 21.

12 \* \* \* Harvesting and Procurement \* \* \*

13 Sec. 9. 10 V.S.A. § 2751 is added to read:

14 § 2751. HARVESTING AND PROCUREMENT STANDARDS;

15 RENEWABLE ENERGY

16 (a) Definitions. As used in the section:

17 (1) "Commissioner" means the Commissioner of Forests, Parks and  
18 Recreation.

19 (2) "Distributed renewable generation" shall have the same meaning as  
20 in 30 V.S.A. § 8005.

1 ~~(3) "Energy transformation project" shall have the same meaning as in~~  
2 ~~30 V.S.A. § 8002.~~

3 ~~(4) "RESET Program" shall have the same meaning as in 30 V.S.A.~~  
4 ~~§ 8002.~~

5 ~~(b) Rules. The Commissioner shall adopt rules that set standards for~~  
6 ~~harvesting and procurement of wood products used to generate energy by~~  
7 ~~distributed renewable generation and energy transformation projects within the~~  
8 ~~RESET Program. The Commissioner shall design the standards to ensure~~  
9 ~~long-term forest health and sustainability.~~

10 Sec. 10. FOREST, PARKS AND RECREATION RULEMAKING

11 ~~On or before July 1, 2016, the Commissioner of Forests, Parks and~~  
12 ~~Recreation shall adopt initial rules under 10 V.S.A. § 2751.~~

13 \* \* \* Environmental Attributes, Net Metering Systems \* \* \*

14 Sec. 11. 30 V.S.A. § 219a(h) is amended to read:

15 (h)(1) An electric company:

16 \* \* \*

17 (I) ~~At the option of a net metering customer of the company, may~~  
18 Shall receive ownership of the environmental attributes of electricity generated  
19 by the customer's net metering system, including ownership of any associated  
20 tradeable renewable energy credits, unless at the time of application for the  
21 system the customer elects not to transfer ownership of those attributes to the

1 ~~company. If a customer elects this option, the The company shall retain~~  
2 ownership of and shall retire the attributes and credits received from ~~the~~  
3 ~~customer or its net metering customers~~, which shall apply toward compliance  
4 with ~~any statutes enacted or rules adopted by the State requiring the company~~  
5 ~~to own the environmental attributes of renewable energy sections 8004 and~~  
6 ~~8005 of this title.~~

7 \* \* \*

8 Sec. 12. 30 V.S.A. § 8010(c) is amended to read:

9 (c) In accordance with this section, the Board shall adopt and implement  
10 rules that govern the installation and operation of net metering systems.

11 (1) The rules shall establish and maintain a net metering program that:

12 \* \* \*

13 (F) balances, over time, the pace of deployment and cost of the  
14 program with the program's impact on rates; ~~and~~

15 (G) accounts for changes over time in the cost of technology; and

16 (H) allows a customer to retain ownership of the environmental  
17 attributes of energy generated by the customer's net metering system and of  
18 any associated tradeable renewable energy credits or to transfer those attributes  
19 and credits to the interconnecting retail provider, and:

1 ~~(i) if the customer retains the attributes, reduces the value of the~~  
2 credit provided under this section for electricity generated by the customer's  
3 net metering system by the value of the attributes; and

4 (ii) if the customer transfers the attributes to the interconnecting  
5 provider, requires the provider to retain them for application toward  
6 compliance with sections 8004 and 8005 of this title.

7 (2) The rules shall include provisions that govern:

8 \* \* \*

9 (E) the formation of group net metering systems, the resolution of  
10 disputes between group net metering customers and the interconnecting  
11 provider, and the billing, crediting, and disconnection of group net metering  
12 customers by the interconnecting provider; and

13 (F) the amount of the credit to be assigned to each kWh of electricity  
14 generated by a net metering customer in excess of the electricity supplied by  
15 the interconnecting provider to the customer, the manner in which the  
16 customer's credit will be applied on the customer's bill, and the period during  
17 which a net metering customer must use the credit, after which the credit shall  
18 revert to the interconnecting provider; and

19 ~~(G) the ownership and transfer of the environmental attributes of~~  
20 ~~energy generated by net metering systems and of any associated tradeable~~  
21 ~~renewable energy credits. When assigning an amount of credit under this~~



1 ~~subdivision (F), the Board shall consider the length of time over which to make~~  
2 the credit available and the relationship of that amount and length of time to  
3 the customer's ability to finance the net metering system, to the cost of that  
4 financing, and to the net present value to all ratepayers of the net metering  
5 program.

6 \* \* \*

7 \* \* \* Other Provisions \* \* \*

8 Sec. 13. 10 V.S.A. § 212(6)(M) is amended to read:

9 (M) ~~Sustainably Priced Energy Enterprise Development (SPEED)~~  
10 resources a renewable energy plant, as defined in 30 V.S.A. § 8002, if the  
11 construction of the plant requires a certificate of public good under 30 V.S.A.  
12 § 248 and all or part of the electricity generated by the plant will be under  
13 contract to a Vermont electric distribution utility;

14 Sec. 14. 30 V.S.A. § 218(f) is amended to read:

15 (f) Regulatory incentives for renewable generation.

16 (1) Notwithstanding any other provision of law, an electric distribution  
17 utility subject to rate regulation under this chapter shall be entitled to recover  
18 in rates its prudently incurred costs in applying for and seeking any certificate,  
19 permit, or other regulatory approval issued or to be issued by federal, State, or  
20 local government for the construction of new renewable energy to be sited in

1 ~~Vermont, regardless of whether the certificate, permit, or other regulatory~~  
2 approval ultimately is granted.

3 (2) The Board is authorized to provide to an electric distribution utility  
4 subject to rate regulation under this chapter an incentive rate of return on  
5 equity or other reasonable incentive on any capital investment made by such  
6 utility in a renewable energy generation facility sited in Vermont.

7 (3) To encourage joint efforts on the part of electric distribution utilities  
8 to support renewable energy and to secure stable, long-term contracts  
9 beneficial to Vermonters, the Board may establish standards for preapproving  
10 the recovery of costs incurred on a renewable energy plant that is the subject of  
11 that joint effort, if the construction of the plant requires a certificate of public  
12 good under section 248 of this title and all or part of the electricity generated  
13 by the plant will be under contract to the utilities involved in that joint effort.

14 (4) ~~For the purpose of~~ In this subsection, plant, “renewable energy,”  
15 and “new renewable energy” shall be as defined in section 8002 of this title.

16 Sec. 15. 30 V.S.A. § 218c(b) is amended to read:

17 (b) Each regulated electric or gas company shall prepare and implement a  
18 least cost integrated plan for the provision of energy services to its Vermont  
19 customers. At least every third year on a schedule directed by the Public  
20 Service Board, each such company shall submit a proposed plan to the  
21 Department of Public Service and the Public Service Board. The Board, after

1 ~~notice and opportunity for hearing, may approve a company's least cost~~  
2 integrated plan if it determines that the company's plan complies with the  
3 requirements of subdivision (a)(1) of this section and ~~is reasonably consistent~~  
4 ~~with achieving the goals and targets of subsection 8005(d)(2017 SPEED goal;~~  
5 ~~total renewables targets) of sections 8004 and 8005 of this title.~~

6 Sec. 16. 30 V.S.A. § 248(r) is added to read:

7 (r) The Board may provide that in any proceeding under subdivision  
8 (a)(2)(A) of this section for the construction of a renewable energy plant, a  
9 demonstration of compliance with subdivision (b)(2) of this section, relating to  
10 establishing need for the plant, shall not be required if all or part of the  
11 electricity to be generated by the plant is under contract to one or more  
12 Vermont electric distribution companies and if no part of the plant is financed  
13 directly or indirectly through investments, other than power contracts, backed  
14 by Vermont electricity ratepayers. In this subsection, "plant" and "renewable  
15 energy" shall be as defined in section 8002 of this title.

16 Sec. 17. 30 V.S.A. § 8001(b) is amended to read:

17 (b) The Board shall ~~provide, by order or rule, adopt the regulations rules~~  
18 and procedures that are necessary to allow the Board and the Department to  
19 implement and supervise programs pursuant to subchapter 1 of this chapter.

1 \*\*\* Technical Amendments \*\*\*

2 Sec. 18. 30 V.S.A. § 2(g) is amended to read:

3 (g) In all forums affecting policy and decision making for the New England  
4 region's electric system, including matters before the Federal Energy  
5 Regulatory Commission and the Independent System Operator of New  
6 England, the Department of Public Service shall advance positions that are  
7 consistent with the statutory policies and goals set forth in 10 V.S.A. §§ 578,  
8 580, and 581 and sections 202a, 8001, 8004, and 8005 of this title. In those  
9 forums, the Department also shall advance positions that avoid or minimize  
10 adverse consequences to Vermont and its ratepayers from regional and  
11 inter-regional cost allocation for transmission projects. This subsection shall  
12 not compel the Department to initiate or participate in litigation and shall not  
13 preclude the Department from entering into agreements that represent a  
14 reasonable advance to these statutory policies and goals.

15 Sec. 19. 30 V.S.A. § 219a(e)(3)(C) is amended to read:

16 (C) Any accumulated credits shall be used within 12 months, or shall  
17 revert to the electric company, without any compensation to the customer.  
18 ~~Power reverting to the electric company under this subdivision (3) shall be~~  
19 ~~considered SPEED resources under section 8005 of this title.~~

1 ~~Sec. 20. REPEAL~~

2 ~~30 V.S.A. § 219b(a)(5) (net metering systems; SPEED resources) is~~  
3 ~~repealed.~~

4 Sec. 21. CONFORMING AMENDMENTS; RENEWABLE ENERGY

5 DEFINITIONS

6 ~~(a) In 2014 Acts and Resolves No. 99, Sec. 3, in 30 V.S.A. § 8002(8)~~  
7 ~~(existing renewable energy) and (17) (new renewable energy), each occurrence~~  
8 ~~of “December 31, 2004” is amended to “June 30, 2015.” The Office of~~  
9 ~~Legislative Counsel shall implement these amendments during statutory~~  
10 ~~revision.~~

11 ~~(b) 2014 Acts and Resolves No. 99, Sec. 3 is amended to read:~~

12 ~~Sec. 3. 30 V.S.A. § 8002 is amended to read:~~

13 § 8002. DEFINITIONS

14 As used in this chapter:

15 \* \* \*

16 ~~(24) “SPEED Standard Offer Facilitator” means an entity appointed by~~  
17 ~~the Board pursuant to ~~subdivision 8005(b)(1)~~ subsection 8005a(a) of this title.~~

18 ~~(25) “SPEED resources” means contracts for resources in the SPEED~~  
19 ~~program established under section 8005 of this title that meet the definition of~~  
20 ~~renewable energy under this section, whether or not environmental attributes~~  
21 ~~are attached. [Repealed.]~~

1 \* \* \*

2 (28) “Energy transformation project” means an undertaking that  
3 provides energy-related goods or services but does not include or consist of the  
4 generation of electricity and that results in a net reduction in fossil fuel  
5 consumption by the customers of a retail electricity provider and in the  
6 emission of greenhouse gases attributable to that consumption. Examples of  
7 energy transformation projects may include home weatherization or other  
8 thermal energy efficiency measures; air source or geothermal heat pumps;  
9 electric vehicle charging stations; and infrastructure for the storage of  
10 renewable energy on the electric grid.

11 (29) “RESET Program” means the Renewable Energy Standard and  
12 Energy Transformation Program established under sections 8004 and 8005 of  
13 this title.

14 Sec. 22. 30 V.S.A. § 8009 is amended to read:

15 § 8009. BASELOAD RENEWABLE POWER PORTFOLIO

16 REQUIREMENT

17 \* \* \*

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

20 (1) The ~~SPEED~~ Standard Offer Facilitator shall purchase the baseload  
21 renewable power, and shall allocate the electricity purchased and any

1 ~~associated costs shall be allocated by the SPEED Facilitator to the Vermont~~  
2 retail electricity providers based on their pro rata share of total Vermont retail  
3 kWh sales for the previous calendar year, and the Vermont retail electricity  
4 providers shall accept and pay those costs.

5 \* \* \*

6 (i) The State and its instrumentalities shall not be liable to a plant owner or  
7 retail electricity provider with respect to any matter related to the baseload  
8 renewable power portfolio requirement or a plant used to satisfy such  
9 requirement, including costs associated with a contract related to such a plant  
10 or any damages arising from the breach of such a contract, the flow of power  
11 between a plant and the electric grid, or the interconnection of a plant to that  
12 grid. For the purpose of this section, the Board and the ~~SPEED~~ Standard Offer  
13 Facilitator constitute instrumentalities of the State.

14 \* \* \* Severability and Effective Dates \* \* \*

15 Sec. 23. SEVERABILITY

16 The provisions of this act are severable. If any provision of this act is  
17 invalid, or if any application of this act to any person or circumstance is  
18 invalid, the invalidity shall not affect other provisions or applications which  
19 can be given effect without the invalid provision or application.

1 ~~Sec. 24. EFFECTIVE DATES~~

2 ~~(a) This section and Secs. 8 (Public Service Board rulemaking), 10~~  
3 ~~(Forests, Parks and Recreation rulemaking), and 23 (severability) shall take~~  
4 ~~effect on passage.~~

5 ~~(b) Secs. 1 through 7, 9, 11, and 13 through 22 shall take effect on July 1,~~  
6 ~~2015. Sec. 11 (net metering systems; environmental attributes) shall not apply~~  
7 ~~to complete applications filed prior to its effective date.~~

8 ~~(c) Sec. 12 (net metering systems; environmental attributes) shall amend~~  
9 ~~30 V.S.A. § 8010 as added effective January 1, 2017 by 2014 Acts and~~  
10 ~~Resolves No. 99, Sec. 4. Sec. 12 shall take effect on January 2, 2017, except~~  
11 ~~that, notwithstanding 1 V.S.A. § 214, the section shall apply to the Public~~  
12 ~~Service Board process under 2014 Acts and Resolves No. 99, Sec. 5.~~

*\* \* \* Renewable Energy Standard and Energy*

*Transformation Program \* \* \**

*Sec. 1. 30 V.S.A. § 8002 is amended to read:*

*§ 8002. DEFINITIONS*

*As used in this chapter:*

*\* \* \**

*(3) "CPI" means the Consumer Price Index for all urban consumers, designated as "CPI-U," in the northeast region, as published by the U.S. Department of Labor, Bureau of Labor Statistics.*



\* \* \*

(6) “Environmental attributes” means the characteristics of a plant that enable the energy it produces to qualify as renewable energy and include any and all benefits of the plant to the environment such as avoided emissions or other impacts to air, water, or soil that may occur through the plant’s displacement of a nonrenewable energy source.

(7) “Existing renewable energy” means renewable energy produced by a plant that came into service prior to or on ~~December 31, 2004~~ June 30, 2015.

\* \* \*

(13) “New renewable energy” means renewable energy produced by a specific and identifiable plant coming into service after ~~December 31, 2004~~ June 30, 2015.

(A) Energy from within a system of generating plants that includes renewable energy shall not constitute new renewable energy, regardless of whether the system includes specific plants that came or come into service after ~~December 31, 2004~~ June 30, 2015.

(B) “New renewable energy” also may include the additional energy from an existing renewable energy plant retrofitted with advanced technologies or otherwise operated, modified, or expanded to increase the kWh output of the plant in excess of an historical baseline established by

*calculating the average output of that plant for the 10-year period that ended ~~December 31, 2004~~ June 30, 2015. If the production of new renewable energy through changes in operations, modification, or expansion involves combustion of the resource, the system also must result in an incrementally higher level of energy conversion efficiency or significantly reduced emissions.*

*\* \* \**

*(17) "Renewable energy" means energy produced using a technology that relies on a resource that is being consumed at a harvest rate at or below its natural regeneration rate.*

*(A) For purposes of this subdivision (17), methane gas and other flammable gases produced by the decay of sewage treatment plant wastes or landfill wastes and anaerobic digestion of agricultural products, byproducts, or wastes, or of food wastes, shall be considered renewable energy resources, but no other form of solid waste, other than ~~agricultural~~ or silvicultural waste, shall be considered renewable.*

*(B) For purposes of this subdivision (17), no form of nuclear fuel shall be considered renewable.*

*(C) The only portion of electricity produced by a system of generating resources that shall be considered renewable is that portion generated by a technology that qualifies as renewable under this subdivision (17).*

*(D) The Board by rule may add technologies or technology categories to the definition of “renewable energy,” provided that technologies using the following fuels shall not be considered renewable energy supplies: coal, oil, propane, and natural gas.*

*(E) In this chapter, renewable energy refers to either “existing renewable energy” or “new renewable energy.”*

*\* \* \**

*(19) “Retail electricity provider” or “provider” means a company engaged in the distribution or sale of electricity directly to the public.*

*(20) “~~SPEED~~ Standard Offer Facilitator” means an entity appointed by the Board pursuant to ~~subdivision 8005(b)(1)~~ subsection 8005a(a) of this title.*

*(21) “~~SPEED resources~~” means ~~contracts for resources in the SPEED program established under section 8005 of this title that meet the definition of renewable energy under this section, whether or not environmental attributes are attached.~~ [Repealed.]*

*(22) “Tradeable renewable energy credits” means all of the environmental attributes associated with a single unit of energy generated by a renewable energy source where:*

*(A) those attributes are transferred or recorded separately from that unit of energy;*

*(B) the party claiming ownership of the tradeable renewable energy credits has acquired the exclusive legal ownership of all, and not less than all, the environmental attributes associated with that unit of energy; and*

*(C) exclusive legal ownership can be verified through an auditable contract path or pursuant to the system established or authorized by the Board or any program for tracking and verification of the ownership of environmental attributes of energy legally recognized in any state and approved by the Board.*

\* \* \*

*(24) "Customer" means a retail electric consumer.*

*(25) "Energy transformation project" means an undertaking that provides energy-related goods or services but does not include or consist of the generation of electricity and that results in a net reduction in fossil fuel consumption by the customers of a retail electricity provider and in the emission of greenhouse gases attributable to that consumption. Examples of energy transformation projects may include home weatherization or other thermal energy efficiency measures; air source or geothermal heat pumps; high efficiency heating systems; increased use of biofuels; biomass heating systems; support for transportation demand management strategies; support for electric vehicles or related infrastructure; and infrastructure for the storage of renewable energy on the electric grid.*

(26) "RESET Program" means the Renewable Energy Standard and Energy Transformation Program established under sections 8004 and 8005 of this title.

Sec. 2. 30 V.S.A. § 8004 is amended to read:

§ 8004. RENEWABLE PORTFOLIO STANDARDS FOR SALES OF ELECTRIC ENERGY; RENEWABLE ENERGY STANDARD AND ENERGY TRANSFORMATION (RESET) PROGRAM

(a) Except as otherwise provided in section 8005 of this title, in order for Vermont retail electricity providers to achieve the goals established in section 8001 of this title, no Establishment; requirements. The RESET Program is established. Under this program, a retail electricity provider shall not sell or otherwise provide or offer to sell or provide electricity in the State of Vermont without ownership of sufficient energy produced by renewable resources as described in this chapter, energy plants or sufficient tradeable renewable energy credits from plants whose energy is capable of delivery in New England that reflect the required amounts of renewable energy as provided for in subsection (b) of this set forth in section 8005 of this title or without support of energy transformation projects in accordance with that section. In the case of members of the Vermont Public Power Supply Authority, the requirements of this chapter may be met in the aggregate.

~~(b) Each retail electricity provider in Vermont shall provide a certain amount of new renewable resources in its portfolio. Subject to subdivision 8005(d)(1) of this title each retail electricity provider in Vermont shall supply an amount of energy equal to its total incremental energy growth between January 1, 2005 and January 1, 2012 through the use of electricity generated by new renewable resources. The A retail electricity provider may meet this requirement the required amounts of renewable energy through eligible ~~new~~ tradeable renewable energy credits, ~~new~~ eligible renewable energy resources with ~~renewable energy credits~~ environmental attributes still attached, or a combination of those credits and resources. No retail electricity provider shall be required to provide in excess of a total of 10 percent of its calendar year 2005 retail electric sales with electricity generated by new renewable resources.~~

~~(c) The requirements of subsection (b) of this section shall apply to all retail electricity providers in this State, unless the retail electricity provider demonstrates and the Board determines that compliance with the standard would impair the provider's ability to meet the public's need for energy services after safety concerns are addressed, at the lowest present value life cycle cost, including environmental and economic costs.~~

~~(d)(b) Rules; procedures. The Board shall provide, by order or rule, adopt the ~~regulations and~~ rules or procedures that are necessary to allow the Board~~

*and the Department to implement and supervise further the implementation and maintenance of ~~a renewable portfolio standard~~ the RESET program.*

*(c) RECS; banking. The Board shall allow a provider that has met the required amount of renewable energy in a given year, commencing with 2017, to retain tradeable renewable energy credits created or purchased in excess of that amount for application to the provider's required amount of renewable energy in one of the following three years.*

*~~(e)(d) Alternative compliance payment. In lieu of, ~~or in addition to~~ purchasing renewable energy or tradeable renewable energy credits or supporting energy transformation projects to satisfy the ~~portfolio~~ requirements of this section and section 8005 of this title, a retail electricity provider in this State may pay to the Vermont Clean Energy Development Fund established under section 8015 of this title ~~an amount per kWh as established by the Board~~ an alternative compliance payment at the applicable rate set forth in section 8005. ~~As an alternative, the Board may require any proportion of this amount to be paid to the Energy Conservation Fund established under subsection 209(d) of this title.~~~~*

*(e) VPPSA members. In the case of members of the Vermont Public Power Supply Authority, the requirements of this chapter may be met in the aggregate.*

*(f) Joint efforts. Retail electricity providers may engage in joint efforts to meet one or more categories within the RESET program.*

~~*(f) Before December 30, 2007 and biennially thereafter through December 30, 2013, the Board shall file a report with the Senate Committees on Finance and on Natural Resources and Energy and the House Committees on Commerce and on Natural Resources and Energy. The report shall include the following:*~~

~~*(1) the total cumulative growth in electric energy usage in Vermont from 2005 through the end of the year that precedes the date on which the report is due;*~~

~~*(2) a report on the market for tradeable renewable energy credits, including the prices at which credits are being sold;*~~

~~*(3) a report on the SPEED program, and any projects using the program;*~~

~~*(4) a summary of other contracts held or projects developed by Vermont retail electricity providers that are likely to be eligible under the provisions of subsection 8005(d) of this title;*~~

~~*(5) an estimate of potential effects on rates, economic development, and jobs, if the target established in subsection 8005(d) of this section is met, and if it is not met;*~~



~~(6) an assessment of the supply portfolios of Vermont retail electricity providers, and the resources available to meet new supply requirements likely to be triggered by the expiration of major power supply contracts;~~

~~(7) an assessment of the energy efficiency and renewable energy markets and recommendations to the legislature regarding strategies that may be necessary to encourage the use of these resources to help meet upcoming supply requirements;~~

~~(8) any recommendations for statutory change related to this section, including recommendations for rewarding utilities that make substantial investments in SPEED resources; and~~

~~(9) the Board's recommendations on how the State might best continue to meet the goals established in section 8001 of this title, including whether the State should meet its growth in energy usage over the succeeding 10 years by a continuation of the SPEED program.~~

Sec. 3. 30 V.S.A. § 8005 is amended to read:

§ 8005. ~~SUSTAINABLY PRICED ENERGY ENTERPRISE DEVELOPMENT (SPEED) PROGRAM;~~ RESET PROGRAM CATEGORIES

~~(a) Creation. To achieve the goals of section 8001 of this title, there is created the Sustainably Priced Energy Enterprise Development (SPEED) program.~~

~~(b) Board; powers and duties. The SPEED program shall be established, by rule, order, or contract, by the Board. As part of the SPEED program, the Board may, and in the case of subdivisions (1), (2), and (5) of this subsection, shall:~~

~~(1) Name one or more entities to become engaged in the purchase and resale of electricity generated within the State by means of SPEED resources. An entity appointed under this subdivision shall be known as a SPEED Facilitator.~~

~~(2) Issue standard offers for SPEED resources in accordance with section 8005a of this title.~~

~~(3) Maximize the benefit to rate payers from the sale of tradeable renewable energy credits or other credits that may be developed in the future, especially with regard to those plants that accept the standard offer issued under subdivision (2) of this subsection.~~

~~(4) Encourage retail electricity provider and third party developer sponsorship and partnerships in the development of renewable energy projects.~~

~~(5) In accordance with section 8005a of this section, require all Vermont retail electricity providers to purchase from the SPEED Facilitator the power generated by the plants that accept the standard offer required to be~~

~~issued under section 8005a. For the purpose of this subdivision (5), the Board and the SPEED Facilitator constitute instrumentalities of the State.~~

~~(6) Establish a method for Vermont retail electrical providers to obtain beneficial ownership of the renewable energy credits associated with any SPEED projects, in the event that a renewable portfolio standard comes into effect under the provisions of section 8004 of this title. It shall be a condition of a standard offer required to be issued under subdivision (2) of this subsection that tradeable renewable energy credits associated with a plant that accepts the standard offer are owned by the retail electric providers purchasing power from the plant, except that in the case of a plant using methane from agricultural operations, the plant owner shall retain such credits to be sold separately at the owner's discretion.~~

~~(7) [Repealed.]~~

~~(8) Provide that in any proceeding under subdivision 248(a)(2)(A) of this title for the construction of a renewable energy plant, a demonstration of compliance with subdivision 248(b)(2) of this title, relating to establishing need for the plant, shall not be required if the plant is a SPEED resource and if no part of the plant is financed directly or indirectly through investments, other than power contracts, backed by Vermont electricity ratepayers.~~

~~(9) Take such other measures as the Board finds necessary or appropriate to implement SPEED.~~

~~(c) VEDA; eligible facilities. Developers of in-state SPEED resources shall be entitled to classification as an eligible facility under 10 V.S.A. chapter 12, relating to the Vermont Economic Development Authority.~~

~~(d) Goals and targets. To advance the goals stated in section 8001 of this title, the following goals and targets are established.~~

~~(1) 2012 SPEED goal. The Board shall meet on or before January 1, 2012 and open a proceeding to determine the total amount of SPEED resources that have been supplied to Vermont retail electricity providers or have been issued a certificate of public good. If the Board finds that the amount of SPEED resources coming into service or having been issued a certificate of public good after January 1, 2005 and before July 1, 2012 equals or exceeds total statewide growth in electric retail sales during that time, and in addition, at least five percent of the 2005 total statewide electric retail sales is provided by SPEED resources or would be provided by SPEED resources that have been issued a certificate of public good, or if it finds that the amount of SPEED resources equals or exceeds 10 percent of total statewide electric retail sales for calendar year 2005, the portfolio standards established under this chapter shall not be in force. The Board shall make its determination by January 1, 2013. If the Board finds that the goal established has not been met, one year after the Board's determination the portfolio standards established under subsection 8004(b) of this title shall take effect.~~

~~(2) 2017 SPEED goal. A State goal is to assure that 20 percent of total statewide electric retail sales during the year commencing January 1, 2017 shall be generated by SPEED resources that constitute new renewable energy. On or before January 31, 2018, the Board shall meet and open a proceeding to determine, for the calendar year 2017, the total amount of SPEED resources that were supplied to Vermont retail electricity providers and the total amount of statewide retail electric sales.~~

~~(3) Determinations. For the purposes of the determinations to be made under subdivisions (1) and (2) of this subsection (d), the total amount of SPEED resources shall be the amount of electricity produced at SPEED resources owned by or under long term contract to Vermont retail electricity providers that is new renewable energy.~~

~~(a) Categories. This section specifies three categories of required resources to meet the requirements of the RESET Program established in section 8004 of this title: total renewable energy, distributed renewable generation, and energy transformation.~~

~~(4)(1) Total renewables targets renewable energy. This~~

~~(A) Purpose; establishment. To encourage the economic and environmental benefits of renewable energy, this subdivision establishes, as percentages of annual electric sales, target for the RESET program, minimum total amounts of ~~total~~ renewable energy within the supply portfolio of each~~

retail electricity provider. To satisfy this requirement, a provider may use renewable energy with environmental attributes attached or any class of tradeable renewable energy credits generated by any renewable energy plant whose energy is capable of delivery in New England.

~~(A)(B) Required amounts. The target amounts of total renewable energy established required by this subsection shall be 55 percent of each retail electricity provider's annual retail electric sales during the year beginning on January 1, 2017, increasing by an additional four percent each third January 1 thereafter, until reaching 75 percent on and after January 1, 2032.~~

~~(B) Each retail electricity provider shall manage its supply portfolio to be reasonably consistent with the target amounts established by this subdivision (4). The Board shall consider such consistency during the course of reviewing a retail electricity provider's charges and rates under this title, integrated resource plans under section 218c of this title, and petitions under section 248 (new gas and electric purchases, investments, and facilities) of this title.~~

(C) Relationship to other categories. Distributed renewable generation used to meet the requirements of subdivision (2) of this subsection shall also count toward the requirements of this subdivision. However, an

energy transformation project under subdivision (3) of this subsection shall not count toward the requirements of this subdivision.

(2) Distributed renewable generation.

(A) Purpose; establishment. This subsection establishes a distributed renewable generation category for the RESET program. This category encourages the use of distributed generation to support the reliability of the State's electric system; reduce line losses; contribute to avoiding or deferring improvements to that system necessitated by transmission or distribution constraints; and diversify the size and type of resources connected to that system. This category requires the use of renewable energy for these purposes to reduce environmental and health impacts from air emissions that would result from using other forms of generation.

(B) Definition. As used in this section, "distributed renewable generation" means one of the following:

(i) a renewable energy plant that is new renewable energy; has a plant capacity of five MW or less; and

(I) is directly connected to the subtransmission or distribution system of a Vermont retail electricity provider; or

(II) is directly connected to the transmission system of an electric company required to submit a Transmission System Plan under subsection 218c(d) of this title, if the plant is part of a plan approved by the

Board to avoid or defer a transmission system improvement needed to address a transmission system reliability deficiency identified and analyzed in that Plan; or

(ii) a net metering system approved under the former section 219a or under section 8010 of this title if the system is new renewable energy and the interconnecting retail electricity provider owns and retires the system's environmental attributes.

(C) Required amounts. The required amounts of distributed renewable generation shall be one percent of each retail electricity provider's annual retail electric sales during the year beginning January 1, 2017, increasing by an additional three-fifths of a percent each subsequent January 1 until reaching 10 percent on and after January 1, 2032.

(D) Distributed generation greater than five MW. On petition of a retail electricity provider, the Board may for a given year allow the provider to employ energy with environmental attributes attached or tradeable renewable energy credits from a renewable energy plant with a plant capacity greater than five MW to satisfy the distributed renewable generation requirement if the plant would qualify as distributed renewable generation but for its plant capacity and the provider demonstrates that it is unable during that year to meet the requirement solely with qualifying renewable energy plants of five MW or less. To demonstrate this inability, the provider shall issue one or



more requests for proposals, and show that it is unable to obtain sufficient ownership of environmental attributes to meet its required amount under this subdivision (2) from:

(i) *the construction and interconnection to its system of distributed renewable generation that is consistent with its approved least-cost integrated resource plan under section 218c of this title at a cost less than or equal to the sum of the applicable alternative compliance payment rate and the applicable rates published by the Department under the Board's rules implementing subdivision 209(a)(8) of this title; and*

(ii) *purchase of tradeable renewable energy credits for distributed renewable generation at a cost that is less than the applicable alternative compliance rate.*

(3) Energy transformation.

(A) Purpose; establishment. This subsection establishes an energy transformation category for the RESET program. This category encourages Vermont retail electricity providers to support additional distributed renewable generation or to support other projects to reduce fossil fuel consumed by their customers and the emission of greenhouse gases attributable to that consumption. A retail electricity provider may satisfy the energy transformation requirement through distributed renewable generation in addition to the generation used to satisfy subdivision (a)(2) of this section or

energy transformation projects or a combination of such generation and projects.

(B) Required amounts. For the energy transformation category, the required amounts shall be two percent of each retail electricity provider's annual retail electric sales during the year beginning January 1, 2017, increasing by an additional two-thirds of a percent each subsequent January 1 until reaching 12 percent on and after January 1, 2032.

(C) Eligibility criteria. For an energy transformation project to be eligible under this subdivision (a)(3):

(i) implementation of the project shall have commenced on or after January 1, 2015; and

(ii) the project shall:

(I) over its life, result in a net reduction in fossil fuel consumed by the provider's customers and in the emission of greenhouse gases attributable to that consumption, whether or not the fuel is supplied by the provider;

(II) meet the need for its goods or services at the lowest present value life cycle cost, including environmental and economic costs; and

(III) cost the utility less per MWH than the applicable alternative compliance payment rate.

(D) Conversion. For the purpose of determining eligibility and the application of the energy transformation project to a provider's annual requirement, the provider shall convert the net reduction in fossil fuel consumption resulting from the energy transformation project to a MWH equivalent of electric energy, in accordance with rules or procedures adopted by the Board. The conversion shall use the most recent year's approximate heat rate for electricity net generation from the total fossil fuels category as reported by the U.S. Energy Information Administration in its Monthly Energy Review. If an energy transformation project is funded by more than one regulated entity, the Board shall prorate the reduction in fossil fuel consumption among the regulated entities. In this subdivision (D), "regulated entity" includes each provider and each efficiency entity appointed under subsection 209(d) of this title.

(E) Other sources.

(i) A retail electricity provider or a provider's partner may oversee an energy transformation project under this subdivision (3). However, the provider shall deliver the project's goods or services in partnership with persons other than the provider unless exclusive delivery through the provider is more cost-effective than delivery by another person or there is no person other than the provider with the expertise or capability to deliver the goods or services.

(ii) An energy transformation project may provide incremental support to a program authorized under Vermont statute that meets the eligibility criteria of this subdivision (3) but may take credit only for the additional amount of service supported and shall not take credit for that program's regularly budgeted or approved investments.

(F) Implementation. To carry out this subdivision (3), the Board shall adopt rules or procedures:

(i) For the conversion methodology in accordance with subdivision (3)(D) of this subsection (a).

(ii) To provide a process for prior approval of energy transformation projects by the Board or its designee. This process shall ensure that each of these projects meets the requirements of this subdivision (3) and need not consist of individual review of each energy transformation project prior to implementation as long as the mechanism ensures those requirements are met. An energy transformation project that commenced prior to initial adoption of rules or procedures under this subdivision (F) may seek approval after such adoption.

(iii) For cost-effectiveness screening of energy transformation projects. This screening shall be consistent with the provisions of this subdivision (3) and, as applicable, the screening tests developed under

subsections 209(d) (energy efficiency) and 218c(a) (least-cost integrated planning) of this title.

(iv) To allow a provider who has met its required amount under this subdivision (3) in a given year to apply excess net reduction in fossil fuel consumption, expressed as a MWH equivalent, from its energy transformation project or projects during that year toward the provider's required amount in a future year.

(v) To ensure periodic evaluation of an energy transformation project's claimed fossil fuel reductions, avoided greenhouse gas emissions, conversion to MWH equivalent, cost-effectiveness and, if applicable, energy savings, and to ensure annual verification and auditing of a provider's claims regarding project completion and resulting MWH equivalent. Changes to project claims resulting from periodic evaluations shall not reduce retroactively claims made on behalf of a project approved under subdivision (3)(F)(ii) of this subsection (a) or reduce verified claims carried forward under subdivision (3)(F)(iv) of this subsection (a).

(vi) To ensure that all ratepayers have an equitable opportunity to participate in, and benefit from, energy transformation projects regardless of rate class, income level, or provider service territory.

(vii) To ensure the coordinated delivery of energy transformation projects with the delivery of similar services, including low-income

weatherization programs, entities that fund and support affordable housing, energy efficiency programs delivered under section 209 of this title, and other energy efficiency programs delivered locally or regionally within the State.

(viii) To ensure that, if an energy transformation project will increase the use of electric energy, the project incorporates best practices for demand management and will use technologies appropriate for Vermont.

(ix) To provide a process under which a provider may withdraw from or terminate, in an orderly manner, an ongoing energy transformation project that no longer meets the eligibility criteria because of one or more factors beyond the control of the project and the provider.

(G) Petitions. On petition of a retail electricity provider in any given year, the Board may:

(i) reduce the provider's required amount under this subdivision (3) for that year, without penalty or alternative compliance payment, if the Board finds that strict compliance with the required amount for that year will:

(I) cause the provider to increase significantly its retail rates;  
or

(II) materially impair the provider's ability to meet the public's need for energy services after safety concerns are addressed, in the manner set forth in subdivision 218c(a)(1) (least-cost integrated planning) of this title; or

(ii) allow a provider who failed to achieve the required amount under this subdivision (3) during the preceding year to avoid paying the alternative compliance payment if the Board:

(I) finds that the provider made a good faith effort to achieve the required amount and its failure to achieve that amount resulted from market factors beyond its control; and

(II) directs that the provider add the difference between the required amount and the provider's actually achieved amount for that year to its required amount for one or more future years.

(4) Alternative compliance rates.

(A) The alternative compliance payment rates for the categories established by this subsection (a) shall be:

(i) total renewable energy requirement – \$0.01 per kWh; and

(ii) distributed renewable generation and energy transformation requirements – \$0.06 per kWh.

(B) The Board shall adjust these rates for inflation annually commencing January 1, 2018, using the CPI.

(b) Reduced amounts; providers; 100 percent renewable.

(1) The provisions of this subsection shall apply to a retail electricity provider that:

(A) as of January 1, 2015, was entitled, through contract, ownership of energy produced by its own generation plants, or both, to an amount of renewable energy equal to or more than 100 percent of its anticipated total retail electric sales in 2017, regardless of whether the provider owned the environmental attributes of that renewable energy; and

(B) commencing on January 1, 2017, owns and has retired tradeable renewable energy credits monitored and traded on the New England Generation Information System or otherwise approved by the Board equivalent to 100 percent of the provider's total retail sales of electricity, calculated as an average on an annual basis.

(2) A provider meeting the requirements of subdivision (1) of this subsection may:

(A) satisfy the distributed renewable generation requirement of this section by accepting net metering systems within its service territory pursuant to the provisions of this title that govern net metering; and

(B) if the Board has appointed the provider as an energy efficiency entity under subsection 209(d) of this title, propose to the Board to reduce the energy transformation requirement that would otherwise apply to the provider under this section.



(i) The provider may make and the Board may review such a proposal in connection with a periodic submission made by the provider pursuant to its appointment under subsection 209(d) of this title.

(ii) The Board may approve a proposal under this subdivision (B) if it finds that:

(I) the energy transformation requirement that would otherwise apply under this section exceeds the achievable potential for cost-effective energy transformation projects in the provider's service territory that meet the eligibility criteria for these projects under this section; and

(II) the reduced energy transformation requirement proposed by the provider is not less than the amount sufficient to ensure the provider's deployment or support of energy transformation projects that will acquire that achievable potential.

(iii) The measure of cost-effectiveness under this subdivision (B) shall be the alternative compliance payment rate established in this section for the energy transformation requirement.

(c) Biomass.

(1) Distributed renewable generation that employs biomass to produce electricity shall be eligible to count toward a provider's distributed renewable generation or energy transformation requirement only if the plant produces

both electricity and thermal energy from the same biomass fuel and the majority of the energy recovered from the plant is thermal energy.

(2) Distributed renewable generation and energy transformation projects that employ forest biomass to produce energy shall comply with renewability standards adopted by the Commissioner of Forests, Parks and Recreation under 10 V.S.A. § 2751.

(d) Hydropower. A hydroelectric renewable energy plant shall be eligible to satisfy the distributed renewable generation or energy transformation requirement only if, in addition to meeting the definition of distributed renewable generation, the plant:

(1) is and continues to be certified by the Low-impact Hydropower Institute of Portland, Maine; or

(2) after January 1, 1987, received a water quality certification pursuant to 33 U.S.C. § 1341 from the Agency of Natural Resources.

~~(e) Regulations and procedures. The Board shall provide, by order or rule, the regulations and procedures that are necessary to allow the Board and the Department to implement, and to supervise further the implementation and maintenance of the SPEED program. These rules shall assure that decisions with respect to certificate of public good applications for construction of SPEED resources shall be made in a timely manner.~~

~~(f) Preapproval. In order to encourage joint efforts on the part of regulated companies to purchase power that meets or exceeds the SPEED standards and to secure stable, long term contracts beneficial to Vermonters, the Board may establish standards for pre-approving the recovery of costs incurred on a SPEED project that is the subject of that joint effort.~~

~~(g) State; nonliability. The State and its instrumentalities shall not be liable to a plant owner or retail electricity provider with respect to any matter related to SPEED, including costs associated with a standard offer contract under this section or section 8005a of this title or any damages arising from breach of such a contract, the flow of power between a plant and the electric grid, or the interconnection of a plant to that grid.~~

~~(h)-(n) [Repealed.]~~

Sec. 4. 30 V.S.A. § 8005a is amended to read:

§ 8005a. ~~SPEED~~; STANDARD OFFER PROGRAM

(a) Establishment. A standard offer program is established ~~within the SPEED program~~. To achieve the goals of section 8001 of this title, the Board shall issue standard offers for renewable energy plants that meet the eligibility requirements of this section. The Board shall implement these standard offers ~~through the SPEED facilitator~~ by rule, order, or contract and shall appoint a Standard Offer Facilitator to assist in this implementation. For the purpose of

this section, the Board and the Standard Offer Facilitator constitute instrumentalities of the State.

\* \* \*

(k) Executed standard offer contracts; transferability; allocation of benefits and costs. With respect to executed contracts for standard offers under this section:

(1) A contract shall be transferable. The contract transferee shall notify the ~~SPEED~~ Standard Offer Facilitator of the contract transfer within 30 days of transfer.

(2) The ~~SPEED~~ Standard Offer Facilitator shall distribute the electricity purchased to the Vermont retail electricity providers at the price paid to the plant owners, allocated to the providers based on their pro rata share of total Vermont retail kWh sales for the previous calendar year, and the Vermont retail electricity providers shall accept and pay the ~~SPEED~~ Standard Offer Facilitator for the electricity. However, during any given calendar year:

(A) Calculation of pro rata shares under this subdivision (2) shall include an adjustment in the allocation to a provider if one or more of the provider's customers created greenhouse gas reduction credits under section 8006a of this title that are used to reduce the size of the annual increase under subdivision (c)(1)(C)(adjustment; greenhouse gas reduction credits) of this section. The adjustment shall ensure that any and all benefits or costs from the

*use of such credits flow to the provider whose customers created the credits. The savings that a provider realizes as a result of this application of greenhouse gas reduction credits shall be passed on proportionally to the customers that created the credits.*

*(B) A retail electricity provider shall be exempt and wholly relieved from the requirements of this subdivision ~~and subdivision 8005(b)(5) (requirement to purchase standard offer power)~~ of this title if, during the immediately preceding 12-month period ending October 31, the amount of renewable energy supplied to the provider by generation owned by or under contract to the provider, regardless of whether the provider owned the energy's environmental attributes, was not less than the amount of energy sold by the provider to its retail customers.*

*(3) The ~~SPEED~~ Standard Offer Facilitator shall transfer the environmental attributes, including any tradeable renewable energy credits, of electricity purchased under standard offer contracts to the Vermont retail electricity providers in accordance with their pro rata share of the costs for such electricity as determined under subdivision (2) of this subsection (k), except that in the case of a plant using methane from agricultural operations, the plant owner shall retain such attributes and credits to be sold separately at the owner's discretion. It shall be a condition of a standard offer issued under this section that tradeable renewable energy credits associated with a plant*

that accepts the standard offer are owned by the retail electricity providers purchasing power from the plant, except in the case of a plant using methane from agricultural operations.

(4) The ~~SPEED~~ Standard Offer Facilitator shall transfer all capacity rights attributable to the plant capacity associated with the electricity purchased under standard offer contracts to the Vermont retail electricity providers in accordance with their pro rata share of the costs for such electricity as determined under subdivision (2) of this subsection (k).

(5) All reasonable costs of a Vermont retail electricity provider incurred under this subsection shall be included in the provider's revenue requirement for purposes of ratemaking under sections 218, 218d, 225, and 227 of this title. In including such costs, the Board shall appropriately account for any credits received under subdivisions (3) and (4) of this subsection (k). Costs included in a retail electricity provider's revenue requirement under this subdivision (5) shall be allocated to the provider's ratepayers as directed by the ~~board~~ Board.

(l) ~~SPEED~~ Standard Offer Facilitator; expenses; payments. With respect to standard offers under this section, the Board shall ~~by rule or order~~:

(1) ~~Determine~~ determine a ~~SPEED~~ Standard Offer Facilitator's reasonable expenses arising from its role and the allocation of the expenses among plant owners and Vermont retail electricity providers.;

(2) ~~Determine~~ determine the manner and timing of payments by a ~~SPEED~~ Standard Offer Facilitator to plant owners for energy purchased under an executed contract for a standard offer-;

(3) ~~Determine~~ determine the manner and timing of payments to the ~~SPEED~~ Standard Offer Facilitator by the Vermont retail electricity providers for energy distributed to them under executed contracts for standard offers-;

(4) ~~Establish~~ establish reporting requirements of a ~~SPEED~~ Standard Offer Facilitator, a plant owner, and a Vermont retail electricity provider.

\* \* \*

(n) Wood biomass. ~~Wood~~ In addition to the other requirements of this section, wood biomass resources that would otherwise constitute qualifying ~~SPEED~~ resources may receive a standard offer under this section only if they have a design system efficiency (the sum of full load design thermal output and electric output divided by the heat input) of at least 50 percent.

\* \* \*

(q) Allocation of regulatory costs. The Board and Department may authorize or retain legal counsel, official stenographers, expert witnesses, advisors, temporary employees, and research services in conjunction with implementing their responsibilities under this section. In lieu of allocating such costs pursuant to subsection 21(a) of this title, the Board or Department

*may allocate the expense in the same manner as the ~~SPEED~~ Standard Offer Facilitator's costs under subdivision (l)(1) of this section.*

*(r) State; nonliability. The State and its instrumentalities shall not be liable to a plant owner or retail electricity provider with respect to any matter related to the standard offer program, including costs associated with a standard offer contract or any damages arising from the breach of such a contract, the flow of power between a plant and the electric grid, or the interconnection of a plant to that grid.*

*Sec. 5. INTENT; AMENDMENT OF 30 V.S.A. § 8005a*

*The General Assembly's intent in the amendments to 30 V.S.A. § 8005a set forth in Sec. 4 of this act is to clarify the text because of the repeal of the Sustainably Priced Energy Enterprise Development Program in Sec. 3 of this act and to move provisions relating to the standard offer program from 30 V.S.A. § 8005 into section 8005a. The General Assembly does not intend any provision of this act to be interpreted as a substantive change to the standard offer program. The Standard Offer Facilitator described in Sec. 4 of this act shall be the successor to the ~~SPEED~~ Facilitator under 30 V.S.A. §§ 8005 and 8005a as they existed prior to this act.*



*Sec. 6. 30 V.S.A. § 8005b is amended to read:*

*§ 8005b. RENEWABLE ENERGY PROGRAMS; ~~BIENNIAL REPORT~~*

*REPORTS*

*(a) ~~On or before January 15, 2013 and no later than every second January 15 thereafter through January 15, 2033, the Board~~ The Department shall file ~~a report~~ reports with the General Assembly in accordance with this section. ~~The Board shall prepare the report in consultation with the Department.~~*

*(1) The House Committee on Commerce and Economic Development, the Senate Committee on Finance, and the House and Senate Committees on Natural Resources and Energy each shall receive a copy of these reports.*

*(2) The Department shall file the report under subsection (b) of this section annually each January 15 commencing in 2018 through 2033.*

*(3) The Department shall file the report under subsection (c) of this section biennially each March 1 commencing in 2017 through 2033.*

*(4) The provisions of 2 V.S.A. § 20(d) (expiration of required reports) shall not apply to the reports to be made under this section.*

*(b) The annual report under this section shall include at least each of the following:*

*(1) An assessment of the costs and benefits of the RESET Program based on the most current available data, including rate and economic*

*impacts, customer savings, technology deployment, greenhouse gas emission reductions actually achieved, fuel price stability, and effect on transmission and distribution upgrade costs, and any recommended changes based on this assessment.*

*(2) An assessment of whether the requirements of the RESET Program have been met to date, and any recommended changes needed to achieve those requirements.*

*(c) The biennial report under this section shall include at least each of the following:*

*(1) The retail sales, in kWh, of electricity in Vermont during the two preceding calendar ~~year~~ years. The report shall include the statewide total and the total sold by each retail electricity provider.*

*(2) ~~The amount of SPEED resources~~ Commencing with the report to be filed in 2019, each retail electricity provider's required amount of renewable energy during the two preceding calendar years for each category of the RESET Program as set forth in section 8005 of this title.*

*(3) For the two preceding calendar years, the amounts of renewable energy and tradeable renewable energy credits eligible to satisfy the requirements of sections 8004 and 8005 of this title actually owned by the Vermont retail electricity providers, expressed as a percentage of retail kWh sales. The report shall include the statewide total and the total owned by each*

~~retail electricity provider for each of these amounts and shall discuss the progress of each provider toward achieving ~~the goals and targets of subsection 8005(d)(SPEED)~~ each of the categories set forth in section 8005 of this title. ~~The report to be filed under this subsection on or before January 15, 2019 shall discuss and attach the Board's determination under subdivision 8005(d)(2)(2017 SPEED goal) of this title.~~ The report shall summarize the energy transformation projects undertaken pursuant to section 8005 of this title, their costs and benefits, their claimed avoided fossil fuel consumption and greenhouse gas emissions, and, if applicable, claimed energy savings.~~

~~(3) A summary of the activities of the SPEED program under section 8005 of this title, including the name, location, plant capacity, and average annual energy generation, of each SPEED resource within the program.~~

(4) A summary of the activities of the standard offer program under section 8005a of this title, including the number of plants participating in the program, the prices paid by the program, and the plant capacity and average annual energy generation of the participating plants. The report shall present this information as totals for all participating plants and by category of renewable energy technology. The report also shall identify the number of applications received, the number of participating plants under contract, and the number of participating plants actually in service.

*(5) An assessment of the energy efficiency and renewable energy markets and recommendations to the General Assembly regarding strategies that may be necessary to encourage the use of these resources to help meet upcoming supply requirements.*

*(6) An assessment of whether Vermont retail electric rates are rising faster than inflation as measured by the CPI, and a comparison of Vermont's electric rates with electric rates in other New England states and in New York. If statewide average rates have risen ~~more than 0.2 percentage points per year~~ faster than inflation over the preceding two or more years, the report shall include an assessment of the contributions to rate increases from various sources, such as the costs of energy and capacity, costs due to construction of transmission and distribution infrastructure, and costs due to compliance with the requirements of sections 8004 and 8005 (RESET program) and section 8005a (SPEED program; standard offer) of this title. Specific consideration shall be given to the price of renewable energy and the diversity, reliability, availability, dispatch flexibility, and full life cycle cost, including environmental benefits and greenhouse gas reductions, on a net present value basis of renewable energy resources available from suppliers. The report shall include any recommendations for statutory change that arise from this assessment. If electric rates have increased primarily due to cost increases attributable to nonrenewable sources of electricity or to the electric*

*transmission or distribution systems, the report shall include a recommendation regarding whether to increase the size of the annual increase described in subdivision 8005a(c)(1)(standard offer; cumulative capacity; pace) of this title.*

*(7)(A) ~~An~~ Commencing with the report to be filed in 2019, an assessment of whether strict compliance with the requirements of sections 8004 and 8005 (RESET program) and section 8005a (SPEED program; standard offer) of this title:*

*(i) has caused one or more providers to raise its retail rates faster over the preceding two or more years than statewide average retail rates have risen over the same time period;*

*(ii) will cause retail rate increases particular to one or more providers; or*

*(iii) will impair the ability of one or more providers to meet the public's need for energy services in the manner set forth under subdivision 218c(a)(1) of this title (least-cost integrated planning).*

*(B) Based on this assessment, consideration of whether statutory changes should be made to grant providers additional flexibility in meeting requirements of sections 8004 and 8005 or section 8005a of this title.*

*(8) Projections, looking at least 10 years ahead, of the impacts of the RESET Program. The Department shall employ an economic model to make*

these projections and shall consider at least three scenarios based on high, mid-range, and low energy price forecasts. The Department shall project, for the State, the RESET Program's impact in each of the following areas: electric utility rates; total energy consumption; electric energy consumption; fossil fuel consumption; and greenhouse gas emissions. The report shall compare the amount or level in each of these areas with and without the Program.

~~(8)~~ (9) Any recommendations for statutory change related to sections 8004, 8005, and 8005a of this title.

(d) During the preparation of reports under this section, the Department shall provide an opportunity for the public to submit relevant information and recommendations.

Sec. 7. 30 V.S.A. § 8006 is amended to read:

§ 8006. TRADEABLE CREDITS; ENVIRONMENTAL ATTRIBUTES; RECOGNITION, MONITORING, AND DISCLOSURE

(a) The Board shall establish or adopt a system of tradeable renewable energy credits for renewable resources that may be earned by electric generation qualifying for the ~~renewables portfolio standard~~ RESET Program. The system shall ~~be designed to~~ recognize tradeable renewable energy credits monitored and traded on the New England Generation Information System (GIS); shall provide a process for the recognition, approval, and monitoring of

environmental attributes attached to renewable energy that are eligible to satisfy the requirements of sections 8004 and 8005 of this title but are not monitored and traded on the GIS; and shall otherwise be consistent with regional practices.

(b) The Board shall ensure that all electricity provider and provider-affiliate disclosures and representations made with regard to a provider's portfolio are accurate and reasonably supported by objective data. Further, the Board shall ensure that providers disclose the types of generation used ~~and whether the energy is Vermont-based~~, and shall clearly distinguish between energy or tradeable energy credits provided from renewable and nonrenewable energy sources and existing and new ~~sources~~ renewable energy.

**Sec. 8. PUBLIC SERVICE BOARD RULEMAKING**

(a) On or before August 1, 2015, the Public Service Board (the Board) shall commence a rulemaking proceeding to adopt initial rules to implement Secs. 2 (sales of electric energy; RESET Program), 3 (RESET Program categories), and 7 (tradeable renewable energy credits) of this act.

(b) On or before April 1, 2016, the Board shall submit final proposed rules under this section to the Secretary of State and the Legislative Committee on Administrative Rules pursuant to 3 V.S.A. § 841.

(c) On or before July 1, 2016, the Board shall finally adopt initial rules to implement Secs. 2, 3, and 7 of this act to take effect on January 1, 2017. If the

Board is unable to finally adopt these rules by July 1, 2016, the Board may issue an order by that date stating the requirements of the initial rules for the RESET program to take effect on January 1, 2017, if that order is followed by final adoption of those initial rules for this program prior to January 1, 2017. Initial rules finally adopted under this subsection (c) shall not be subject to the requirement of 3 V.S.A. § 843(c) to finally adopt rules within eight months of the initial filing.

(d) The Board and the Department of Public Service may retain experts and other personnel to assist them with the rulemaking under this section and allocate the costs of these personnel to the electric distribution utilities in accordance with the process under 30 V.S.A. § 21.

*\* \* \* Harvesting and Procurement \* \* \**

*Sec. 9. 10 V.S.A. § 2751 is added to read:*

§ 2751. BIOMASS RENEWABILITY STANDARDS; RESET

PROGRAM

(a) Definitions. As used in this section:

(1) “Commissioner” means the Commissioner of Forests, Parks and Recreation.

(2) “Distributed renewable generation” shall have the same meaning as in 30 V.S.A. § 8005.



(3) "Energy transformation project" shall have the same meaning as in 30 V.S.A. § 8002.

(4) "Renewability" means capable of being replaced by natural ecological processes or sound management practices.

(5) "RESET Program" shall have the same meaning as in 30 V.S.A. § 8002.

(b) Rules. The Commissioner shall adopt rules that set renewability standards for forest products used to generate energy by distributed renewable generation and energy transformation projects within the RESET Program. The Commissioner shall design the standards to ensure long-term forest health and sustainability. These standards may include minimum efficiency requirements for wood boilers and requirements for harvesting and procurement. In developing these rules, the Commissioner shall consider differentiating the standards by type of forest product and scale of forest product consumption.

*Sec. 10. FOREST, PARKS AND RECREATION RULEMAKING*

On or before July 1, 2016, the Commissioner of Forests, Parks and Recreation shall adopt initial rules under 10 V.S.A. § 2751.

*\* \* \* Environmental Attributes, Net Metering Systems \* \* \**

*Sec. 11. 30 V.S.A. § 219a(h) is amended to read:*

*(h)(1) An electric company:*

\* \* \*

~~(I) At the option of a net metering customer of the company, may~~  
Shall receive ownership of the environmental attributes of electricity generated  
by the customer's net metering system, including ownership of any associated  
tradeable renewable energy credits, unless at the time of application for the  
system the customer elects not to transfer ownership of those attributes to the  
company. ~~If a customer elects this option, the~~ The company shall retain  
ownership of and shall retire the attributes and credits received from ~~the~~  
~~customer~~ its net metering customers, which shall apply toward compliance  
with ~~any statutes enacted or rules adopted by the State requiring the company~~  
~~to own the environmental attributes of renewable energy~~ sections 8004 and  
8005 of this title.

\* \* \*

Sec. 12. 30 V.S.A. § 8010(c) is amended to read:

(c) In accordance with this section, the Board shall adopt and implement  
rules that govern the installation and operation of net metering systems.

(1) The rules shall establish and maintain a net metering program that:

\* \* \*

(F) balances, over time, the pace of deployment and cost of the  
program with the program's impact on rates; ~~and~~

(G) accounts for changes over time in the cost of technology; and

(H) allows a customer to retain ownership of the environmental attributes of energy generated by the customer's net metering system and of any associated tradeable renewable energy credits or to transfer those attributes and credits to the interconnecting retail provider, and:

(i) if the customer retains the attributes, reduces the value of the credit provided under this section for electricity generated by the customer's net metering system by an appropriate amount; and

(ii) if the customer transfers the attributes to the interconnecting provider, requires the provider to retain them for application toward compliance with sections 8004 and 8005 of this title.

(2) The rules shall include provisions that govern:

\* \* \*

(E) the formation of group net metering systems, the resolution of disputes between group net metering customers and the interconnecting provider, and the billing, crediting, and disconnection of group net metering customers by the interconnecting provider; and

(F) the amount of the credit to be assigned to each kWh of electricity generated by a net metering customer in excess of the electricity supplied by the interconnecting provider to the customer, the manner in which the customer's credit will be applied on the customer's bill, and the period during

*which a net metering customer must use the credit, after which the credit shall revert to the interconnecting provider; and*

*~~(G) the ownership and transfer of the environmental attributes of energy generated by net metering systems and of any associated tradeable renewable energy credits. When assigning an amount of credit under this subdivision (F), the Board shall consider making multiple lengths of time available over which a customer may take a credit and differentiating the amount according to the length of time chosen. For example, a credit amount may be higher if taken over 10 years and lower if taken over 20 years. Factors relevant to this consideration shall include the customer's ability to finance the net metering system, the cost of that financing, and the net present value to all ratepayers of the net metering program.~~*

\* \* \*

\* \* \* *Clean Energy Development Fund* \* \* \*

*Sec. 13. 30 V.S.A. § 8015 is amended to read:*

*§ 8015. VERMONT CLEAN ENERGY DEVELOPMENT FUND*

\* \* \*

*(d) Expenditures authorized.*

\* \* \*

*~~(3) A grant in lieu of a solar energy tax credit in accordance with 32 V.S.A. § 5930z(f). Of any Fund monies unencumbered by such grants, the~~*

~~first \$2.3 million shall fund the Small scale Renewable Energy Incentive Program described in subdivision (1)(E)(ii) of this subsection.~~

~~(4) A sum equal to the cost for the 2010 and preceding tax years of the business solar energy income tax credits authorized in 32 V.S.A. §§ 5822(d) and 5930z(a), net of any such costs for which a transfer has already been made under this subdivision and of the cost of any credits in lieu of which the taxpayer elects to receive a grant, shall be transferred from the Clean Energy Development Fund to the General Fund. Notwithstanding any contrary provision of this section, the Clean Energy Development Fund shall use all of the monies from alternative compliance payments under sections 8004 and 8005 of this title for projects that meet the definition of "energy transformation project" under section 8002 of this title and the eligibility criteria for those projects under section 8005 of this title. The Fund shall implement projects in the service territory of the retail electricity provider or providers making the alternative compliance payments used to support the projects and, in the case of a project delivered in more than one territory, shall prorate service delivery according to each provider's contribution. A provider shall not count, toward its required amount under the energy transformation category of section 8005 of this title, support provided by the Fund for an energy transformation project.~~

\* \* \*

*\* \* \* Other Provisions \* \* \**

*Sec. 14. 10 V.S.A. § 212(6)(M) is amended to read:*

*(M) ~~Sustainably Priced Energy Enterprise Development (SPEED)~~  
~~resources a renewable energy plant, as defined in 30 V.S.A. § 8002, if the~~  
~~construction of the plant requires a certificate of public good under 30 V.S.A.~~  
~~§ 248 and all or part of the electricity generated by the plant will be under~~  
~~contract to a Vermont electric distribution utility;~~*

*Sec. 14a. 30 V.S.A. § 209(d) is amended to read:*

*(d) Energy efficiency.*

*\* \* \**

*(3) Energy efficiency charge; regulated fuels. In addition to its existing authority, the Board may establish by order or rule a volumetric charge to customers for the support of energy efficiency programs that meet the requirements of section 218c of this title. The charge shall be known as the energy efficiency charge, shall be shown separately on each customer's bill, and shall be paid to a fund administrator appointed by the Board and deposited into an Electric Efficiency Fund. When such a charge is shown, notice as to how to obtain information about energy efficiency programs approved under this section shall be provided in a manner directed by the Board. This notice shall include, at a minimum, a toll-free telephone number,*

*and to the extent feasible shall be on the customer's bill and near the energy efficiency charge.*

*(A) Balances in the Electric Efficiency Fund shall be ratepayer funds, shall be used to support the activities authorized in this subdivision, and shall be carried forward and remain in the Fund at the end of each fiscal year. These monies shall not be available to meet the general obligations of the State. Interest earned shall remain in the Fund. The Board will annually provide the General Assembly with a report detailing the revenues collected and the expenditures made for energy efficiency programs under this section. The provisions of 2 V.S.A. § 20(d) (expiration of required reports) shall not apply to the report to be made under this subsection.*

*(B) The charge established by the Board pursuant to this subdivision (3) shall be in an amount determined by the Board by rule or order that is consistent with the principles of least cost integrated planning as defined in section 218c of this title.*

*(i) As circumstances and programs evolve, the amount of the charge shall be reviewed for unrealized energy efficiency potential and shall be adjusted as necessary in order to realize all reasonably available, cost-effective energy efficiency savings. In setting the amount of the charge and its allocation, the Board shall determine an appropriate balance among the following objectives; provided, however, that particular emphasis shall be*

*accorded to the first four of these objectives: reducing the size of future power purchases; reducing the generation of greenhouse gases; limiting the need to upgrade the State's transmission and distribution infrastructure; minimizing the costs of electricity; reducing Vermont's total energy demand, consumption, and expenditures; providing efficiency and conservation as a part of a comprehensive resource supply strategy; providing the opportunity for all Vermonters to participate in efficiency and conservation programs; and targeting efficiency and conservation efforts to locations, markets, or customers where they may provide the greatest value. However, in no event shall an energy efficiency charge imposed prior to February 1, 2018 exceed the following rates:*

*(I) residential customer – \$0.01173 per kilowatt hour (kWh);*

*(II) commercial customer, no demand charge – \$0.0108 per kWh;*

*(III) commercial customer, demand charge – \$0.00648 per kWh plus \$1.0543 per kilowatt (kW);*

*(IV) industrial customer, no demand charge – \$0.00719 per kWh; and*

*(V) industrial customers, demand charge – \$0.00484 per kWh plus \$1.1344 per kW.*



*(ii) The Board, by rule or order, shall establish a process by which a customer who pays an average annual energy efficiency charge under this subdivision (3) of at least \$5,000.00 may apply to the Board to self-administer energy efficiency through the use of an energy savings account which shall contain a percentage of the customer's energy efficiency charge payments as determined by the Board. The remaining portion of the charge shall be used for systemwide energy benefits. The Board in its rules or order shall establish criteria for approval of these applications.*

*Sec. 14b. JOINT ENERGY COMMITTEE; RECOMMENDATION*

*(a) On or before February 15, 2016, the Joint Energy Committee under 2 V.S.A. chapter 17 shall submit a recommendation to the House Committee on Commerce and Economic Development, Senate Committee on Finance, House Committee on Ways and Means, and House and Senate Committees on Natural Resources and Energy on:*

*(1) whether the General Assembly should make permanent or revise the cap on energy efficiency charge rates adopted under Sec. 14a of this act, 30 V.S.A. § 209(d), or allow that cap to expire in 2018; and*

*(2) what legislation, if any, the Committee recommends that the General Assembly enact to clarify or alter the relationship of energy efficiency entities and charges under 30 V.S.A. § 209(d) with the energy transformation category adopted under Sec. 3 of this act, 30 V.S.A. § 8005(a).*

(b) Prior to submitting its recommendation under this section, the Joint Energy Committee shall offer an opportunity for comment by affected State agencies; utilities; appointed energy efficiency entities; advocates for business, consumer, and environmental interests; and members of the public.

(c) For the purpose of this section, the Joint Energy Committee may meet no more than four times during adjournment without prior approval of the Speaker of the House and the President Pro Tempore of the Senate.

Sec. 15. 30 V.S.A. § 209(j) is amended to read:

(j) Self-managed energy efficiency programs.

\* \* \*

(4) All of the following shall apply to a class of programs under this subsection:

(A) A member of the transmission or industrial electric rate classes shall be eligible to apply to participate in the self-managed energy efficiency program class if the charges to the applicant, or to its predecessor in interest at the served property, under subdivision (d)(3) of this section were a minimum of \$1.5 million during calendar year 2008.

\* \* \*

Sec. 16. 30 V.S.A. § 218(f) is amended to read:

(f) Regulatory incentives for renewable generation.

*(1) Notwithstanding any other provision of law, an electric distribution utility subject to rate regulation under this chapter shall be entitled to recover in rates its prudently incurred costs in applying for and seeking any certificate, permit, or other regulatory approval issued or to be issued by federal, State, or local government for the construction of new renewable energy to be sited in Vermont, regardless of whether the certificate, permit, or other regulatory approval ultimately is granted.*

*(2) The Board is authorized to provide to an electric distribution utility subject to rate regulation under this chapter an incentive rate of return on equity or other reasonable incentive on any capital investment made by such utility in a renewable energy generation facility sited in Vermont.*

*(3) To encourage joint efforts on the part of electric distribution utilities to support renewable energy and to secure stable, long-term contracts beneficial to Vermonters, the Board may establish standards for preapproving the recovery of costs incurred on a renewable energy plant that is the subject of that joint effort, if the construction of the plant requires a certificate of public good under section 248 of this title and all or part of the electricity generated by the plant will be under contract to the utilities involved in that joint effort.*

*(4) For the purpose of In this subsection, “plant,” “renewable energy,” and “new renewable energy” shall be as defined in section 8002 of this title.*

*Sec. 17. 30 V.S.A. § 218c(b) is amended to read:*

*(b) Each regulated electric or gas company shall prepare and implement a least cost integrated plan for the provision of energy services to its Vermont customers. At least every third year on a schedule directed by the Public Service Board, each such company shall submit a proposed plan to the Department of Public Service and the Public Service Board. The Board, after notice and opportunity for hearing, may approve a company's least cost integrated plan if it determines that the company's plan complies with the requirements of subdivision (a)(1) of this section and ~~is reasonably consistent with achieving the goals and targets of subsection 8005(d)(2017 SPEED goal; total renewables targets)~~ of sections 8004 and 8005 of this title.*

*Sec. 18. 30 V.S.A. § 219a(m) and (n) are amended to read:*

*(m)(1) A facility for the generation of electricity to be consumed primarily by the Military Department established under 3 V.S.A. § 212 and 20 V.S.A. § 361(a) or the National Guard as defined in 32 U.S.C. § 101(3), and installed on property of the Military Department or National Guard located in Vermont, shall be considered a net metering system for purposes of this section if it has a capacity of 2.2 MW or less and meets the provisions of subdivisions (a)(6)(B)-(D) of this section.*

*(2) If the interconnecting electric company agrees, a solar facility or group of solar facilities for the generation of electricity, to be installed by or*

*on behalf of one or more municipalities on a closed landfill, shall be considered a net metering system for purposes of this section if the facility or group of facilities has a total capacity of 5 MW or less and meets the provisions of subdivisions (a)(6)(B)-(D) of this section. The facilities or group of facilities may serve as a group net metering system that includes and is limited to each participating municipality. In this subdivision (2), "municipality" shall have the same meaning as under 24 V.S.A. § 4551.*

\* \* \*

*(n) ~~As a pilot project, an~~ An electric cooperative under chapter 81 of this title may ~~construct~~ engage in a pilot project involving a solar generation facility or group of solar generation facilities to produce power to be consumed by the company or its customers and to be installed on land owned or leased by the company.*

\* \* \*

*(3) ~~Under this pilot project, the electric cooperative may seek siting approval for the~~ A facility or group of facilities participating in this pilot project may seek siting approval pursuant to the Board's order issued under subsection 8007(b) of this title, notwithstanding that subsection's limitation to plants with a plant capacity greater than 150 kW and 2.2 MW or less.*

\* \* \*

*Sec. 19. 30 V.S.A. § 248(b) is amended to read:*

*(b) Before the Public Service Board issues a certificate of public good as required under subsection (a) of this section, it shall find that the purchase, investment or construction:*

\* \* \*

*(9) with respect to a waste to energy facility;*

*(A) is included in a solid waste management plan adopted pursuant to 24 V.S.A. § 2202a, which is consistent with the State Solid Waste Management Plan; and*

*(B) is included in a solid waste management plan adopted pursuant to 24 V.S.A. § 2202a for the municipality and solid waste district from which a substantial portion of the waste is to originate, if that municipality or district already beneficially uses a portion of the waste;*

*Sec. 20. 30 V.S.A. § 248(r) is added to read:*

*(r) The Board may provide that in any proceeding under subdivision (a)(2)(A) of this section for the construction of a renewable energy plant, a demonstration of compliance with subdivision (b)(2) of this section, relating to establishing need for the plant, shall not be required if all or part of the electricity to be generated by the plant is under contract to one or more Vermont electric distribution companies and if no part of the plant is financed directly or indirectly through investments, other than power contracts, backed*

by Vermont electricity ratepayers. In this subsection, “plant” and “renewable energy” shall be as defined in section 8002 of this title.

Sec. 21. 30 V.S.A. § 8001(b) is amended to read:

(b) The Board shall ~~provide, by order or rule,~~ adopt the regulations rules and procedures that are necessary to allow the Board and the Department to implement and supervise programs pursuant to subchapter 1 of this chapter.

\* \* \* Technical Amendments \* \* \*

Sec. 22. 30 V.S.A. § 2(g) is amended to read:

(g) In all forums affecting policy and decision making for the New England region’s electric system, including matters before the Federal Energy Regulatory Commission and the Independent System Operator of New England, the Department of Public Service shall advance positions that are consistent with the statutory policies and goals set forth in 10 V.S.A. §§ 578, 580, and 581 and sections 202a, 8001, 8004, and 8005 of this title. In those forums, the Department also shall advance positions that avoid or minimize adverse consequences to Vermont and its ratepayers from regional and inter-regional cost allocation for transmission projects. This subsection shall not compel the Department to initiate or participate in litigation and shall not preclude the Department from entering into agreements that represent a reasonable advance to these statutory policies and goals.

Sec. 23. 30 V.S.A. § 219a(e)(3)(C) is amended to read:

*(C) Any accumulated credits shall be used within 12 months, or shall revert to the electric company, without any compensation to the customer. ~~Power reverting to the electric company under this subdivision (3) shall be considered SPEED resources under section 8005 of this title.~~*

*Sec. 24. REPEAL*

*30 V.S.A. § 219b(a)(5) (net metering systems; SPEED resources) is repealed.*

*Sec. 25. CONFORMING AMENDMENTS; RENEWABLE ENERGY  
DEFINITIONS*

*(a) In 2014 Acts and Resolves No. 99, Sec. 3, in 30 V.S.A. § 8002(8) (existing renewable energy) and (17) (new renewable energy), each occurrence of “December 31, 2004” is amended to “June 30, 2015.” The Office of Legislative Council shall implement these amendments during statutory revision.*

*(b) 2014 Acts and Resolves No. 99, Sec. 3 is amended to read:*

*Sec. 3. 30 V.S.A. § 8002 is amended to read:*

*§ 8002. DEFINITIONS*

*As used in this chapter:*

*\* \* \**



(21) “Renewable energy” means energy produced using a technology that relies on a resource that is being consumed at a harvest rate at or below its natural regeneration rate.

(A) For purposes of this subdivision (21), methane gas and other flammable gases produced by the decay of sewage treatment plant wastes or landfill wastes and anaerobic digestion of agricultural products, byproducts, or wastes, or of food wastes shall be considered renewable energy resources, but no other form of solid waste, other than ~~agricultural~~ or silvicultural waste, shall be considered renewable.

\* \* \*

(24) “~~SPEED~~ Standard Offer Facilitator” means an entity appointed by the Board pursuant to ~~subdivision 8005(b)(1)~~ subsection 8005a(a) of this title.

(25) “~~SPEED resources~~” ~~means contracts for resources in the SPEED program established under section 8005 of this title that meet the definition of renewable energy under this section, whether or not environmental attributes are attached.~~ [Repealed.]

\* \* \*

(28) “Energy transformation project” means an undertaking that provides energy-related goods or services but does not include or consist of the generation of electricity and that results in a net reduction in fossil fuel consumption by the customers of a retail electricity provider and in the

emission of greenhouse gases attributable to that consumption. Examples of energy transformation projects may include home weatherization or other thermal energy efficiency measures; air source or geothermal heat pumps; high efficiency heating systems; increased use of biofuels; biomass heating systems; support for transportation demand management strategies; support for electric vehicles or related infrastructure; and infrastructure for the storage of renewable energy on the electric grid.

(29) "RESET Program" means the Renewable Energy Standard and Energy Transformation Program established under sections 8004 and 8005 of this title.

Sec. 26. 30 V.S.A. § 8009 is amended to read:

§ 8009. BASELOAD RENEWABLE POWER PORTFOLIO  
REQUIREMENT

\* \* \*

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

(1) The ~~SPEED~~ Standard Offer Facilitator shall purchase the baseload renewable power, and shall allocate the electricity purchased and any associated costs ~~shall be allocated by the SPEED Facilitator~~ to the Vermont retail electricity providers based on their pro rata share of total Vermont retail

*kWh sales for the previous calendar year, and the Vermont retail electricity providers shall accept and pay those costs.*

\* \* \*

*(i) The State and its instrumentalities shall not be liable to a plant owner or retail electricity provider with respect to any matter related to the baseload renewable power portfolio requirement or a plant used to satisfy such requirement, including costs associated with a contract related to such a plant or any damages arising from the breach of such a contract, the flow of power between a plant and the electric grid, or the interconnection of a plant to that grid. For the purpose of this section, the Board and the SPEED Standard Offer Facilitator constitute instrumentalities of the State.*

\* \* \* *Severability and Effective Dates* \* \* \*

*Sec. 27. SEVERABILITY*

*The provisions of this act are severable. If any provision of this act is invalid, or if any application of this act to any person or circumstance is invalid, the invalidity shall not affect other provisions or applications which can be given effect without the invalid provision or application.*

*Sec. 28. EFFECTIVE DATES*

*(a) This section and Secs. 8 (Public Service Board rulemaking), 10 (Forests, Parks and Recreation rulemaking), 14a (energy efficiency charge), 14b (joint energy committee; recommendation), 18 (net metering pilot*

project), and 27 (severability) shall take effect on passage. Notwithstanding 1 V.S.A. § 214, Sec. 18 shall apply to facilities for which an application for a certificate of public good is pending as of its effective date.

(b) Secs. 1 through 7, 9, 11, 13, 14, 15 through 17, and 19 through 26 shall take effect on July 1, 2015. Sec. 11 (net metering systems; environmental attributes) shall not apply to complete applications filed prior to its effective date.

(c) Sec. 12 (net metering systems; environmental attributes) shall amend 30 V.S.A. § 8010 as added effective January 1, 2017 by 2014 Acts and Resolves No. 99, Sec. 4. Sec. 12 shall take effect on January 2, 2017, except that, notwithstanding 1 V.S.A. § 214, the section shall apply to the Public Service Board process under 2014 Acts and Resolves No. 99, Sec. 5.