

STATUTORY ENERGY AND CLIMATE GOALS
Office of Legislative Counsel, Jan. 26, 2015

TITLE 10

§ 578. GREENHOUSE GAS REDUCTION GOALS

(a) General goal of greenhouse gas reduction. It is the goal of the state to reduce emissions of greenhouse gases from within the geographical boundaries of the state and those emissions outside the boundaries of the state that are caused by the use of energy in Vermont in order to make an appropriate contribution to achieving the regional goals of reducing emissions of greenhouse gases from the 1990 baseline by:

- (1) 25 percent by January 1, 2012;
- (2) 50 percent by January 1, 2028;
- (3) if practicable using reasonable efforts, 75 percent by January 1, 2050.

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§ 580. 25 BY 25 STATE GOAL

(a) It is a goal of the state, by the year 2025, to produce 25 percent of the energy consumed within the state through the use of renewable energy sources, particularly from Vermont's farms and forests.

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§ 581. BUILDING EFFICIENCY GOALS

It shall be goals of the State:

(1) To improve substantially the energy fitness of at least 20 percent of the State's housing stock by 2017 (more than 60,000 housing units), and 25 percent of the State's housing stock by 2020 (approximately 80,000 housing units).

(2) To reduce annual fuel needs and fuel bills by an average of 25 percent in the housing units served.

(3) To reduce total fossil fuel consumption across all buildings by an additional one-half percent each year, leading to a total reduction of six percent annually by 2017 and 10 percent annually by 2025.

(4) To save Vermont families and businesses a total of \$1.5 billion on their fuel bills over the lifetimes of the improvements and measures installed between 2008 and 2017.

(5) To increase weatherization services to low income Vermonters by expanding the number of units weatherized, or the scope of services provided, or both, as revenue becomes available in the Home Weatherization Assistance Fund.

TITLE 30

§ 202a. STATE ENERGY POLICY

It is the general policy of the state of Vermont:

(1) To assure, to the greatest extent practicable, that Vermont can meet its energy service needs in a manner that is adequate, reliable, secure and sustainable; that assures affordability and

encourages the state's economic vitality, the efficient use of energy resources and cost effective demand side management; and that is environmentally sound.

(2) To identify and evaluate on an ongoing basis, resources that will meet Vermont's energy service needs in accordance with the principles of least cost integrated planning; including efficiency, conservation and load management alternatives, wise use of renewable resources and environmentally sound energy supply.

§ 255. REGIONAL COORDINATION TO REDUCE GREENHOUSE GASES

(a) Legislative findings. The General Assembly finds:

(1) There is a growing scientific consensus that the increased anthropogenic emissions of greenhouse gases are enhancing the natural greenhouse effect, resulting in changes in the earth's climate.

(2) Climate change poses serious potential risks to human health and terrestrial and aquatic ecosystems globally, regionally, and in Vermont.

(3) A carbon constraint on fossil fuel-fired electricity generation and the development of a CO₂ allowance trading mechanism will create a strong incentive for the creation and deployment of more efficient fuel-burning technologies, renewable resources, and end-use efficiency resources and will lead to lower dependence on imported fossil fuels.

(4) Absent federal action, a number of states are taking actions to work regionally to reduce power sector carbon emissions.

(5) Vermont has joined with at least six other states to design the Regional Greenhouse Gas Initiative (RGGI), and, in 2005, Vermont's Governor signed a memorandum of understanding (MOU) signaling Vermont's intention to develop rules and programs to participate in RGGI.

(6) It is crucial to manage Vermont's implementation of RGGI and its consumption of fossil fuels for residential and commercial heating, and industrial processes, so as to maximize the State's contribution to lowering carbon emissions while:

(A) minimizing impacts on electric system reliability and unnecessary costs to Vermont energy consumers; and

(B) minimizing the costs and the emissions resulting from the use of petroleum-based fuels for space heating and process heating for residential, commercial, and industrial purposes.

(7) The accelerated deployment of low-cost process, thermal, and electrical energy efficiency, the strategic use of low- and zero-carbon generation, and the selective use of switching fuel sources are the best means to achieve these goals.

(8) It is crucial that funds made available from operation of a regional carbon credits cap and trade system be devoted to the benefit of Vermont energy consumers through investments in a strategic portfolio of energy efficiency, weatherization, and low-carbon generation resources.

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§ 8001. RENEWABLE ENERGY GOALS

(a) The General Assembly finds it in the interest of the people of the State to promote the State energy policy established in section 202a of this title by:

(1) Balancing the benefits, lifetime costs, and rates of the State's overall energy portfolio to ensure that to the greatest extent possible the economic benefits of renewable energy in the State flow to the Vermont economy in general, and to the rate paying citizens of the State in particular.

(2) Supporting development of renewable energy that uses natural resources efficiently and related planned energy industries in Vermont, and the jobs and economic benefits associated with such development, while retaining and supporting existing renewable energy infrastructure.

(3) Providing an incentive for the State's retail electricity providers to enter into affordable, long-term, stably priced renewable energy contracts that mitigate market price fluctuation for Vermonters.

(4) Developing viable markets for renewable energy and energy efficiency projects.

(5) Protecting and promoting air and water quality in the State and region through the displacement of those fuels, including fossil fuels, which are known to emit or discharge pollutants.

(6) Contributing to reductions in global climate change and anticipating the impacts on the State's economy that might be caused by federal regulation designed to attain those reductions.

(7) Providing support and incentives to locate renewable energy plants of small and moderate size in a manner that is distributed across the State's electric grid, including locating such plants in areas that will provide benefit to the operation and management of that grid through such means as reducing line losses and addressing transmission and distribution constraints.

(8) Promoting the inclusion, in Vermont's electric supply portfolio, of renewable energy plants that are diverse in plant capacity and type of renewable energy technology.

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§ 8005. RES CATEGORIES

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

(1) Total renewable energy.

(A) Purpose; establishment. To encourage the economic and environmental benefits of renewable energy, this subdivision establishes, for the RES, minimum total amounts of 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.

(B) Required amounts. The amounts of total renewable energy 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.

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(2) Distributed renewable generation.

(A) Purpose; establishment. This subdivision establishes a distributed renewable generation category for the RES. 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.

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(3) Energy transformation.

(A) Purpose; establishment. This subdivision establishes an energy transformation category for the RES. 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. However, in the case of a provider that is a municipal electric utility serving not more than 6,000 customers, the required amount shall be two percent of the provider's annual retail sales beginning on January 1, 2019, increasing by an additional two-thirds of a percent each subsequent January 1 until reaching 10 and two-thirds percent on and after January 1, 2032. Prior to January 1, 2019, such a municipal electric utility voluntarily may engage in one or more energy transformation projects in accordance with this subdivision (3).