



ENERGY ACTION NETWORK

Vermont Energy Targets and Status (October 2017)

Met or N/A
 Surpassing
 Unmet

	ENERGY TARGETS	TARGET	TARGET DATE	CURRENT STATUS	GOAL OR STATUTE
TOTAL	CEP: Meet 90% of the state's energy needs through renewables - including thermal, transportation, and electric (Note: energy sourced in-state and out of state).	90%	2050	19%	CEP Goal (2016)
	25 by 25: Produce 25% of all energy consumed within the state through the use of renewable energy sources, particularly from forests and farms (in-state).	25%	2025	≈10%* ¹	10 V.S.A. 580(a) (2007)
ELECTRICITY	RES Tier 1 - Total Renewable Electric: Obtain 55% of annual electric sales from renewables for each retail electricity provider in Vermont by 2017, and 75% by 2032. RECs retained (in-state and out-of-state).	55% 75%	2017 2032	55%* ²	30 V.S.A. 8002 (2015)
	RES Tier 2 - Distributed Generation: Require 1% of electric sales to come from distributed generation in 2017, rising to 10% by 2032. Projects starting in mid 2015 are eligible, and new NM and SO projects count if RECs are retired (in-state).	1% 10%	2017 2032	1%*	
	RES Tier 3 - Energy innovation Projects: Require 2% of utility sales (BTU equivalency) in 2017 to reduce fossil fuel consumption, rising to 12% in 2032 as measured by the PSB. Projects must be 'additional' and in service in 2015 or later (tools: leasing, on-bill financing, marketing, direct investments). (in-state)	2% 12%	2017 2032	2%*	
	Standard Offer: Issue Standard Offer contracts to new SO plants until a cumulative capacity of 127.5 MW is reached (new plants 2.2MW or less commissioned on or after Sept 30, 2009). (in-state)	127.5 MW	2022	76 MW (contracts awarded)	
EFFICIENCY/THERMAL	Housing: Improve the energy fitness of at least 20% of the state's housing stock (total 2007 = 300,000 units) by 2017, and 25% by 2020.	60,000	2017	22,6873 (7.6% total)	10 V.S.A. 581 (2007)
		80,000	2022		
	Housing: Reduce the annual fuel needs and fuel bills by an average of 25% in housing units served.	6%	2017	N/A	
	Building: Reduce total fossil fuel consumption across all buildings by an additional 0.5%/year for a total of 6% annually by 2017 and 10% annually by 2025.	10%	2025	N/A	
	Advanced Wood Heat: Double wood's share of building heat by 2035 (from 2014 - 21%).	42%	2035	N/A	

	STATUTORY ENERGY TARGETS	TARGET	TARGET DATE	CURRENT STATUS	GOAL OR STATUTE
TRANSPORTATION	Energy Use: Reduce total transportation energy use by 20% from 2015 levels by 2025.	20% 39.3 trillion BTU	2025	49.1 trillion BTU (2015)	CEP Transportation Goals (2016)
	Renewable Energy: Increase the share of renewable energy in all transportation to 10% by 2025 and 80% by 2050.	10%	2025	5.5% (2015)	
	Emissions: Reduce transportation-emitted GHGs by 30% by 2025.	30% 3.22 MMTCO _{2e}	2025	3.67 MMTCO _{2e} (2015)	
	Hold VMT Growth: Hold vehicle miles traveled (VMT) per capita to 2011 levels.	11,402	2030	11,680 (2015)	
	Reduce SOV Commuter Trips: Reduce the share of single-occupancy vehicle commute trips by 20%.	20%	2030	80.7% (2015)	
	Increase Bike/Ped: Double the share of bicycle and pedestrian commute trips to 15.6%	15.6%	2030	7.1% (2015)	
	Increase State Park & Ride: Triple the number of state park-and-ride spaces to 3,426	3,426	2030	1,525 (2017)	
	Increase Transit Trips: Increase public transit ridership by 110% to 8.7 million annual trips	8.7M	2030	4.71M (2016)	
	Increase Passenger Rail Trips: Quadruple Vermont-based passenger rail trips to 400,000 trips annually.	400,000	2030	92,422 (2016)	
	Increase Rail-Based Freight: Double the rail freight tonnage in the state.	13.2 million tons	2030	7.3 million tons (2014)	
	Increase Renewably Powered Vehicles: Increase the percentage of the vehicle fleet that are EVs to 10% by 2025.	10%	2025	0.3% (2016)	
Increase Biodiesel and CNG: Increase number of medium and heavy-duty vehicles powered renewably to 10% by 2025.	10%	2025	None		
EMISSIONS	Reduce GHG Emissions: Reduce greenhouse gas emissions within the state and from outside the state's boundaries caused by the use of energy within the state by 50% of 1990 levels by 2028, and if practicable using reasonable efforts, by 75% of by 2050 (in-state and out-of-state).	50%	2028	104% of 1990 levels ⁴	10 V.S.A. 578(a) (2005)
		75%	2050		
	Paris Agreement: Reduce GHG emissions by 26-28% below 2005 level.	26-28%	2025	11% (ANR estimate 2013)	

Source: Vermont Statutes and Public Service Department; compiled by Energy Action Network.

1 Estimated from EIA and PSD data.

2 PSD. 60% of 2016 sales are supplied by renewable resources (ignoring REC ownership). Currently at 3.4 TWhs of renewable supplied over ~5.5 TWhs sold. Utilities are obligated to retire RECs equivalent to 55% of retail sales.

3 PSD Thermal Efficiency Task Force Update, 2014.

4 ANR Estimates – Vermont Greenhouse Gas Emissions Inventory Update (1990-2013).

* Anticipated compliance with RES year 1 obligation, will be verified with 2018 compliance filings.

