



State Incentives for Achieving Clean and Renewable Energy Development on Contaminated Lands

The development of clean and renewable energy on formerly used land offers many economic and environmental benefits. Combining clean and renewable energy and contaminated land cleanup incentives can allow investors and communities to create economically viable clean and renewable energy redevelopment projects. This document provides information about incentives in your state that can be leveraged for clean and renewable energy and development of contaminated land.



Incentives for Clean and Renewable Energy

Funding (grants, loans, bonds, etc.)

Clean Energy Development Fund (CEDF)

<http://publicservice.vermont.gov>

Offers a portfolio of funding opportunities including: grants and contracts; loans; equity investments; and direct incentive payments for renewable energy projects for pre-development activities, installation of small and large systems, and business development and equity.

CEDF Loan Program

<http://publicservice.vermont.gov>

Provides direct loans from \$50,000 to \$250,000, at a fixed interest rate of 4% to purchase land and buildings; purchase and install machinery and equipment; and provide working capital.

Solar and Small Wind Incentive Program

www.nerc-vt.org/incentives/index.htm

Provides funding for installations for new grid-connected photovoltaic (PV) solar energy (\$1.75 per Watt up to \$8,750) and wind energy system installations (up to \$4 per Watt, up to \$12,500) that are installed by Vermont Solar and Wind Partners.

Tax Incentives (abatements, deductions, credits, etc.)

Corporate Tax Credit for Solar

www.leg.state.vt.us/docs/legdoc.cfm?URL=/docs/2008/bills/passed/S-209.HTM

Offers a corporate income tax credit in an amount equal to 100% of the "Vermont-property portion" of the federal business energy tax credit for solar. In effect, this constitutes a 30% state credit for systems and equipment that use solar energy to generate electricity, to heat or cool (or provide hot water for use in) a structure, or to provide solar process heat.

Sales Tax Exemption for Renewable Energy

www.revermont.org/incentives.htm

Provides tax exemption for 100% of sales tax from a purchase of PV solar systems, wind systems, and anaerobic digesters. On-farm systems with a maximum capacity of 150 kW are eligible for the exemption; other eligible technologies are limited to a system capacity of 15 kW.

Wind Energy – Alternative Education Property Tax

www.leg.state.vt.us/docs/2008/bills/passed/S-209.HTM, in § 5402c

Establishes an alternate education property tax of \$0.3 cents per kWh for wind energy facilities that are at least 5 MW in capacity.

Technical Assistance and Other Incentives

Vermont Anemometer Loan Program

www.web.vtc.edu/users/jnk06190/VTALP/index.htm

Provides anemometer equipment to Vermont residents who are considering the installation of small wind systems on their property.

Central Vermont Public Service (CVPS) – Biomass Electricity Production Incentive

www.cvps.com/cowpower

Purchases electricity and renewable energy credits at 95% of the market rate for energy plus an additional \$0.04 per kWh from farmers who own anaerobic digestion systems to generate electricity. CVPS is a Vermont electric utility.

Net Metering

www.publicservice.vermont.gov/energy-efficiency/ee_netmetering.html

Allows net metering of up to 2% of a utility's peak demand. Generating capacity includes renewable energy systems up to 250 KW and allows for combined heat and power systems up to 20 KW. Net-metered systems earn credit for power fed back into the utility grid. It allows groups of buildings to be consolidated on paper into one net-metered system.

Quick Facts

Public Benefit Fund (PBF)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Renewable Portfolio Standard	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<i>Three goals: (1) 100% of increase in retail electricity sales between 2005-2012; (2) 20% of retail electricity sales generated by 2017; (3) 25% of all energy consumed by 2025</i>		
Net Metering	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Interconnection Standards	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Electric Power Industry Generation by Primary Energy Source (EIA, 2006)

Petroleum-Fired	0.1%	Nuclear	72.1%
Natural Gas-Fired	-	Hydroelectric	21.4%
Coal-Fired	-	Other Renewables	6.4%

Points of Contact

Vermont Department of Public Service, Energy Efficiency Division

www.publicservice.vermont.gov/energy/energy-efficiency.html

Clean Energy Development Fund (CEDF)

John Becker, john.becker@state.vt.us, (802) 828-4020

Net Metering, Kelly Launder, kelly.launder@state.vt.us, (802) 828-4039

Vermont Energy Investment Corporation, www.nerc-vt.org

Solar and Small Wind Incentive Program

Cheryl Jenkins, nerc@veic.org, (877) 888-7372

Renewable Energy Vermont

Corporate Tax Credit for Solar, Sales Tax Exemption for Renewable Energy, Andrew Perchlik, perchlik@REVermont.org, (802) 229-0099

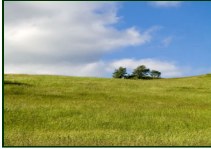
Vermont Anemometer Loan Program

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CVPS, www.cvps.com

Biomass Electricity Production Incentive

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Incentives for Development of Contaminated Land



Funding (grants, loans, bonds, etc.)

Brownfields Revitalization Fund (BRF)

www.thinkvermont.com/brownfieldsforum/index.cfm

Authorizes the State Agency of Commerce and Community Development to manage a fund to issue loans and grants for assessing or remediating contaminated sites.

BRF Loan Program

www.veda.org/interior.php/pid/1/sid/88

Provides a 4% fixed rate loan to for-profit, nonprofit, and municipal entities for brownfields activities, with a maximum loan of \$250,000. The main focus of the program is site cleanup, but in some instances funds may be used to do site assessment or characterization.

Petroleum Cleanup Fund

www.anr.state.vt.us/dec/wastediv/ust/home.htm

Provides financial assistance for uninsured costs of soil and ground water cleanup required by accidental releases from underground storage tanks (UST) (up to \$999,750) and aboveground storage tanks (AST) (\$990,000 for ASTs at bulk storage facilities, \$25,000 for ASTs not at bulk storage facilities). The fund provides up to \$1 million in coverage for third party claims for injury and damage caused by an UST release. A deductible is included for all assistance.

Technical Assistance and Other Incentives

Targeted Brownfield Site Assessment

www.anr.state.vt.us/dec/wastediv/SMS/RCPP/grants.htm

Provides environmental assessments of brownfield properties. Recipients will receive a Site Investigation (SI) Report that will describe any potential environmental contamination on the property and put forth recommendations for the next phase of investigation, if necessary. Applications are accepted on a first-come, first-served basis until available funds are exhausted.

Limitations on Liability

Redevelopment of Contaminated Properties Program (RCPP)

www.anr.state.vt.us/dec/wastediv/SMS/brownfields-home.htm

Participation in the RCPP allows a prospective purchaser who is not liable for contamination to acquire and clean up an abandoned or underutilized property in exchange for receiving liability protection that extends to all successors in the chain of title. National Priorities List (NPL) sites, Resource Conservation and Recovery Act (RCRA) sites, and properties with only petroleum contamination are not eligible.

Quick Facts

Limitations on Liability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Number of State-Tracked Contaminated Properties:	1,415
Includes all sites in the VT Hazardous Sites and Petroleum Sites databases except NPL and active Superfund sites	
Number of EPA CERCLIS Sites:	54
Sites identified for potential investigation under the federal Superfund Program	
Number of EPA Brownfields Properties:	705
Properties being funded or addressed under the EPA Brownfields Program	

There may be some overlap among the categories listed and sites listed may not represent all potentially contaminated sites in Vermont.

Points of Contact

VT Department of Environmental Conservation

www.anr.state.vt.us/dec/wmd.htm

BRF Loan Program, Targeted Brownfield Site Assessment, RCPP

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Petroleum Cleanup Fund

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