

Vermont Clean Energy Development Fund



Solar PV trackers installed at GWR Engineering, PC, Charlotte, Vermont



Photos supplied by GWR Engineering, PC

Founded in 2005 by the Vermont General Assembly, the Vermont Clean Energy Development Fund (CEDF) promotes the growth of sustainable electric power and thermal energy or geothermal resources, and emerging energy-efficient technologies. CEDF offers a portfolio of funding opportunities to accelerate the development, commercialization, and production of clean energy including grants, loans, equity investments, and contracts.

Funded by an agreement between the Vermont Department of Public Service and Entergy Nuclear Vermont and Entergy Nuclear Operations, Inc., the CEDF has awarded over \$18 million in grants to businesses, community

groups, institutions, farms, and individuals working to create the clean energy economy in the state. This public investment leveraged a total investment of over \$60 million in renewable energy since inception. In addition, the CEDF received \$31.5 million through the

“The information on CESA’s website (e.g., reports) has been helpful as has access to members in other states at the conference.

Information gleaned by CESA staff in response to requests has proven useful at CEDF.”

—Andrew Perchlik

American Recovery and Reinvestment Act (ARRA) of 2009 to support its mission.

In 2009, the Clean Energy Development Fund granted \$5.4 million to 39 renewable energy projects in 2009 and provided \$3.1 million in low-interest loans to six renewable energy projects or businesses. The Fund also provided \$2.1 million for the Small-Scale Renewable Energy Incentive Program to promote clean energy at the residential scale leading to 612 kW of newly installed wind and solar PV, and 18,022 kBtu/day of solar hot water capacity in 2009. In total, CEDF grants and loans made in 2009 will lead to more than 6.9 MW of new renewable energy generation.



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HIGHLIGHTS



Farm Methane Digester, Neighborhood Energy, LLC, Newport, VT

As a rural state with a strong agricultural heritage, Vermont prides itself on its working landscape. To assist farmers with manure management and to augment the state's supply of renewable power, CEDF provided over **\$5 MILLION IN GRANTS AND LOANS TO SUPPORT FARM METHANE DIGESTERS** at 17 locations. This funding helped create 5.4 MW of capacity and earned Vermont recognition as a leader in small farm methane energy production.

The Fund provided \$2.275 million in 2009 for the **VERMONT SMALL-SCALE RENEWABLE ENERGY INCENTIVE PROGRAM**, which has supported the installation of over 1,200 wind, solar PV, and solar thermal projects since 2003 with a total installed cost of \$23 million. The state set lower incentives levels compared with some other states. At a level of \$1.75 per Watt DC, the solar electric incentive level for individuals and businesses has proven sufficient to drive installation of nearly 2 MW of new and proposed solar PV installations.

The CEDF is designing a **PERFORMANCE-BASED WIND INCENTIVE** for wind turbines under 150 kW in order to maximize the wind power (kWh) generated per incentive dollar.

Within Vermont's 252 municipal jurisdictions, 92 Vermont community-based energy committees are exploring energy efficiency and renewable energy activities. CEDF received over 324 responses requesting a total of \$13 million in grant funds from municipalities and schools to a recent **ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)** solicitation under the American Reinvestment and Recovery Act of 2009.