

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.)

Solar Manufacturing Incentive Grant (SMIG) Program

www.dmme.virginia.gov/DE/Alternative_Fuels/solar.shtml

Offers up to \$4.5 million per year to encourage the production of photovoltaic panels sold in a calendar year, with a maximum of 6 MW. New manufacturers that meet certain production and other criteria are eligible to receive annual incentive grants for six years.

Biofuels Production Grants

www.dmme.virginia.gov/DE/Alternative_Fuels/solar.shtml

Provides grants to biofuels producers of up to \$ 0.10 per gallon of neat biofuels sold in the state between January 1, 2007 and January 1, 2017. To be eligible for a grant, the producer must produce in excess of two million gallons of neat biofuels in a calendar year using feedstock originating domestically within the United States.

Technical Assistance and Other Incentives

State-Based Anemometer Loan Program (SBALP)

www.sbalp.cisat.jmu.edu/index.html

Provides Virginia landowners an opportunity to quantify their wind resource with the objective to spur the development and use of wind energy throughout the state. SBALP is designed to empower landowners by spurring interest in wind energy through the borrowing of meteorological towers and encouraging wind development.

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

Local Option Property Tax Exemption for Solar

www.dmme.virginia.gov/DE/Alternative_Fuels/solar.shtml

Allows any county, city, or town to exempt or partially exempt solar energy equipment or recycling equipment from local property taxes. Residential, commercial, or industrial property is eligible. Property tax exemption amount and maximum limit varies by locality.

Alternative Fuel Job Creation Tax Credit

www.deq.virginia.gov/p2/vise/financial.html

Offers a job creation tax credit worth \$700 per full-time employee for businesses involved with the production, storage, or dispensing of hydrogen as a vehicle fuel. Qualifying businesses include AFV component manufacturers and vehicle conversion companies. This credit is effective for taxable years beginning on or after January 1, 1996, through December 31, 2011.

Net Metering

www.dmme.virginia.gov/DE/Alternative_Fuels/netmetering.shtml

Applies to residential generating systems up to 10 kW in capacity and non-residential systems up to 500 kW in capacity. Net metering is available on a first-come, first-served basis until the rated generating capacity owned and operated by customer-generators reaches 1% of an electric distribution company's adjusted Virginia peak-load forecast for the previous year.

Quick Facts

Public Benefit Fund (PBF)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Renewable Portfolio Standard 12% by 2022	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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)

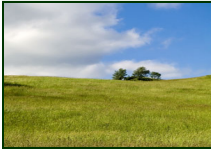
Petroleum-Fired	1.1%	Hydroelectric	1.8%
Natural Gas-Fired	9.9%	Other Renewables	3.4%
Coal-Fired	46.9%	Other	0.7%
Nuclear	37.8%	Pumped Storage	-1.6%

Points of Contact

SMIG Program, Local Option Property Tax Exemption for Solar Net Metering
Ken Jurman, ken.jurman@dmme.virginia.gov, (804) 692-3222

Biofuels Production Grants, Alternative Fuel Job Creation Tax Credit
Robin Jones, robin.jones@dmme.virginia.gov, (804) 692-3224

SBALP
Dr. Jonathan Miles, (540) 568-3044



Incentives for Development of Contaminated Land



Funding (grants, loans, bonds, etc.)

Virginia Pooled Financing Program

www.virginiaresources.org/pooledfinancing.shtml

Provides funding for brownfields remediation projects for localities and governmental authorities across the Commonwealth. Benefits include "AA/AAA" interest rates, custom-tailored loans, shared issuance costs, no bond insurance premiums, and loan terms of up to 30 years.

Brownfield Remediation Loan Program

www.deq.state.va.us/cap/brwnguid.html

Provides a source of low-interest loan financing to encourage the cleanup and reuse of contaminated properties. State remediation loans range from \$10,000 to \$1,000,000 per site with various loan term options. To be eligible for funds, properties must suffer some type of water quality contamination.

Clean Water Revolving Loan Fund Program

www.deq.state.va.us/cap/

Reduces interest rates for local governments for projects that improve water quality or prevent future problems. The scope of CWRLF activity now includes low-interest loans for publicly owned wastewater treatment facilities, as well as, brownfield remediation and open space preservation related to water quality issues. Benefits include: below-market interest rates, no bond issuance costs, and payment waiver during construction.

Enterprise Zone Program

www.dhcd.virginia.gov/CommunityDevelopmentRevitalization/Virginia_Enterprise_Zones.htm

Provides state and local incentives to businesses that invest and create jobs within Virginia's enterprise zones, which are located throughout the state. Under this program two grant-based incentives are available, Job Creation Grants and Real Property Investment Grants. Real Property Investment Grants are capped at \$125,000 per building for investments less than \$5 million, and \$250,000 for investments of \$5 million or more.

Tax Incentives (abatements, credits, etc.)

Environmental Restoration Sites

www.deq.state.va.us/vrp/tax.html

Defines environmental restoration sites holding Certificates of Completion (COCs) as a separate class of property and allows local governments to adopt an ordinance partially or fully exempting that class from taxation.

Limitations on Liability

Voluntary Remediation Program – Certification of Satisfactory Completion of Remediation

www.deq.state.va.us/vrp/

Issues a "certification of satisfactory completion of remediation" when remediation is satisfactorily completed. This certification provides assurance that the remediated site will not later become the subject of a VA Department of Environmental Quality (DEQ) enforcement action unless new issues are discovered

Quick Facts

Limitations on Liability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Number of State-Tracked Contaminated Properties:	350
Includes Voluntary Remediation Program sites that are planned or have been issued COCs	
Number of EPA CERCLIS Sites:	247
Sites identified for potential investigation under the federal Superfund Program	
Number of EPA Brownfields Properties:	69
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 Virginia.

Points of Contact

Virginia Pooled Financing Program

Mary B. Barnes, mbarnes@virginiaresources.org, (804) 644-3331

Department of Environmental Quality

Brownfield Remediation Loan Program, Clean Water Revolving Loan Fund Program

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Environmental Restoration Sites, Limitations on Liability

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Enterprise Zone Program

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