

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.)

Delaware Green Energy Program

www.delaware-energy.com/Download/Green%20Energy/Fact%20Sheet/Fact_Sheet-11-26-07.pdf

Offers grants up to \$250,000 to residential and non-residential customers for installing renewable energy systems in Delaware. These grants to offset a portion of the cost of eligible renewable energy systems including photovoltaic (PV), solar water heating, wind turbines, geothermal heat pumps and fuel cells. Grant limits vary by utility. Participating utilities include Delmarva Power, Delaware Electric Cooperative, City of Dover, City of Milford, City of Newark, City of Seaford, Lewes Board of Public Works, Town of Clayton, Town of Middleton, and Town of Smyrna.

Delaware Green Energy Fund's Research and Development Program

www.delaware-energy.com/Download/Tech-Demo-R&D-Program/Research_and_Development_FY2008.pdf

Offers grants to commercial or institutional entities up to \$250,000 per project that develop or improve renewable energy technology in the state including passive solar space heat, solar water heat, solar space heat, solar thermal electric, solar thermal process heat, PV, landfill gas, wind, biomass, hydroelectric, renewable fuel vehicles, geothermal electric, fuel cells, municipal solid waste, hydrogen, daylighting, anaerobic digestion, renewable fuels, ethanol, methanol, and biodiesel.

Delaware Green Energy Fund's Technology and Demonstration Grants

www.delaware-energy.com/Download/Tech-Demo-R&D-Program/Technology_Demonstration_Program_FY_2008.pdf

Provides grants to commercial or institutional entities up to \$200,000 per project that demonstrate the market potential for new renewable energy technologies and accelerate the commercialization of these technologies in Delaware.

Net Metering

www.dora.state.co.us/PUC

Offers net metering to non-residential customers statewide that generate electricity using solar, wind or hydro resources, anaerobic digesters, or fuel cells powered by renewable fuels. The maximum capacity of a net-metered system is 2 MW per meter for non-residential customers of Delmarva Power; and 500 kW per meter for non-residential customers of DEC.

Quick Facts

Public Benefit Fund (PBF)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Renewable Portfolio Standard 20% by 2019	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	1.8%	Nuclear	--
Natural Gas-Fired	16.3%	Hydroelectric	--
Other Gas	12.7%	Other Renewables	--
Coal-Fired	69.2%		

Points of Contact

Delaware Energy Office

www.delaware-energy.com/

Green Energy Program

Scott Lynch, scott.lynch@state.de.us, (302) 739-1530

Delaware Green Energy Fund's Research and Development Program

Scott Lynch, scott.lynch@state.de.us, (302) 739-1530

Delaware Green Energy Fund's Technology and Demonstration Grants

Scott Lynch, scott.lynch@state.de.us, (302) 739-1530

Delaware – Net Metering

www.dora.state.co.us/PUC

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Incentives for Development of Contaminated Land



Funding (grants, loans, bonds, etc.)

Delaware Department of Natural Resources and Environmental Control (DNREC) - Brownfields Grant Program

www.dnrec.state.de.us/dnrec2000/Divisions/AWM/sirb/brownfield.asp

Offers brownfields grants to private parties up to \$225,000 per project for assessment, investigation, and cleanup activities. Of the \$225,000, the first potential \$125,000 is a dollar-for-dollar reimbursement, and the second potential \$100,000 is a 50 cents to the dollar reimbursement. No more than \$1 million can be allocated to anyone single entity in one fiscal year. The site must be a certified brownfields and the eligible entity must not have caused or contributed to the contamination. Public and nonprofit entities may receive up to one million dollars (\$1 million) for a certified site, but may not receive more than one million in any single fiscal year. These entities must also not have caused or contributed to any release(s) of hazardous substances.

Delaware Economic Development Office (DEDO) – Hazardous Substance Cleanup Loan

www.dedo.delaware.gov/business/brownfield/programs_and_resources.shtml#Loans

Provides up to \$250,000 in low interest loans (not to exceed 3%) to businesses for environmental investigations and remediation activities. Loans offered for a 10-year term.

DEDO - Brownfield Assistance Program

www.dedo.delaware.gov/business/brownfield/programs_and_resources.shtml#Loans

Allows reimbursement for either of the qualified assessment and remediation costs up to \$100,000 per project. The site must be a certified brownfield, and create at least five jobs as a result of assessment and cleanup activities.

Underground Storage Tank Remediation Loan Program

www.dnrec.state.de.us/water2000/Sections/FAB/FABUSTLoan.htm

Offers financing at a low-interest rate of 3%, for seven to 10 years, with a minimum loan of \$5,000 and a maximum loan of \$250,000 to owners or lessees of underground storage tank facilities that need rehabilitation in order to meet regulatory requirements and where the applicant demonstrates the ability to repay the loan.

EPA Brownfields Revolving Loan Fund (RLF) Grant Programs

www.epa.gov/brownfields/rlfst.htm

Provides loans and subgrants to eligible entities to support cleanup activities at brownfields sites in Delaware. A total of \$1,250,000 million is available for loans and subgrants; individual amounts for loans or subgrants vary by applicant.

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

Delaware Brownfields Tax Credit Program

www.dedo.delaware.gov/business/brownfield/programs_and_resources.shtml#Tax_Credits_State

Provides tax credits to any brownfield developer that invests \$200,000 in a qualified brownfield facility and who has hired at least five qualified employees during any taxable year. Companies that locate on a brownfield are eligible to receive tax credits for: 1) New employees

(\$650 for each new employee); 2) Capital investment (\$650 per each \$100,000 of investment); and 3) A 15-year graduated gross receipts tax credit. Credits for employees and investment are enhanced by \$250 if business is located in a targeted area.

Limitations on Liability

Delaware Brownfields Development Program

www.dnrec.state.de.us/dnrec2000/Divisions/AWM/sirb/Brownfield/doc/Brownfields_Development_Agreement.doc

Offers complete liability protection for existing contamination to qualified brownfield developers provided that they enter into a Brownfields Development Agreement (BDA) prior to taking title of a property, and agree to an approved work plan for cleanup of contamination prior to development of the site. BDAs offer a Certificate of Completion of Remedy (COCR) for the entire site or for geographic or media operable units (OUs).

Delaware Brownfields Voluntary Cleanup Program (VCP)

www.dnrec.state.de.us/dnrec2000/Divisions/AWM/sirb/vcp_main.asp

Offers full liability protection from existing environmental conditions to property title holders/potential responsible parties (PRPs) that enter into a Brownfields Voluntary Cleanup Agreement. Property owners must receive a COCR before any liability protections engage, and before construction can begin.

Quick Facts

Limitations on Liability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Number of State-Tracked Contaminated Properties:	90
Includes Urban Sites Remedial Action Program, Voluntary Remediation Program, and Property Transfer Program sites	
Number of EPA CERCLIS Sites:	63
Sites identified for potential investigation under the federal Superfund Program	
Number of EPA Brownfields Properties:	14
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 Delaware

Points of Contact

Brownfields Grant Program, Hazardous Substance Cleanup Loan, Brownfields Assistance Program, RLF Grant Programs, Brownfields Development Program, VCP
Jim Poling, (302) 395-2636

Underground Storage Tank Remediation Loan Program
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Delaware Brownfields Tax Credit Program
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