

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.)

Pennsylvania Energy Development Authority Funding

www.depweb.state.pa.us/enitech/cwp/view.asp?a=1415&q=504241

Provides grants and loans up to \$1 million and loan guarantees up to \$500,000 for innovative, advanced energy projects, and for alternative-energy manufacturing or production businesses. Projects that reuse or redevelop brownfields and previously developed sites are preferred.

Pennsylvania Energy Harvest Program

www.dep.state.pa.us/grantscenter/ProgramSummary.asp?ID=93

Provides grants averaging \$200,000 for implementation of clean and renewable-energy technologies that have measurable benefits in terms of pollution reduction, environmental quality, and reduced energy use.

Metropolitan Edison Company Sustainable Energy Fund (SEF)

www.bccf.org/pages/gr.energy.html

Invests in businesses and provides grants and/or loans up to \$25,000 from a \$5.7 million fund that promotes the development and use of renewable/clean energy technologies and sustainable-energy businesses.

Penelec SEF of the Community Foundation for the Alleghenies

www.cfalleghenies.org/penelec.htm

Provides loans, grants, financing and other financial assistance from a \$9.1 million fund that promotes the use of renewable energy and renewable energy business initiatives.

Sustainable Development Fund (SDF)

www.trfund.com/sdf/grants.html

Provides grants averaging \$25,000 for projects with a compelling educational interest, commercial loans ranging from \$50,000 to \$1 million to developers with projects in the early stages of redevelopment, and financing to businesses to adapt clean energy technologies.

West Penn Power Sustainable Energy Fund

www.wppsef.org/grants.html

Provides grants, commercial loans, equity investment, subordinated debt and royalty financing to promote the use of renewable/clean energy.

SEF of Central Eastern Pennsylvania Loan Program

www.TheSEF.org

Disburses grants and loans for projects that promote research and invest in renewable and clean energy technologies and enterprises.

New PA Venture Capital Investment Program

www.newpa.com/programDetail.aspx?id=57

Provides loans to Pennsylvania-focused venture capital companies that agree to match those funds and make investments in local businesses.

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

Wind Equipment Property Tax Assessment

www.dsireusa.org/documents/Incentives/PA26F.htm

Exempts wind turbines and related equipment from property value for tax assessment purposes.

Technical Assistance and Other Incentives

Pennsylvania Wind Working Group

www.pawindenergynow.org/

Encourages wind projects, stimulates markets for generated wind energy, and integrates the wind industry with other Pennsylvania industries.

Technology Clearinghouse Open Funding Solicitations

www.depweb.state.pa.us/enitech/cwp/view.asp?a=1378&q=466203#Open

Provides a comprehensive list of current state and federal funding, and environmental technology verification program solicitation opportunities.

Net Metering

www.puc.state.pa.us

Requires investor-owned utilities to offer net metering to eligible systems with capacity up to 5 MW.

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>18% from alternative sources by 2021</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	0.7%	Hydroelectric	1.3%
Natural Gas	6.2%	Other Renewables	1.1%
Coal	56.0%	Other Gases	0.2%
Nuclear	34.4%		

Points of Contact

Pennsylvania Energy Development Authority

Funding, Becky Campbell, recampbell@state.pa.us, (717) 772-8959

Pennsylvania Energy Harvest Program

Kerry Campbell, kcampbell@state.pa.us, (717) 772-5985

Metropolitan Edison Company SEF

Richard Mappin, richardm@bccf.org, (610) 685-2227

Penelec SEF, Mike Kane, mkane2@atlanticbb.net, (814) 536-7741

SDF, Roger Clark, roger.clark@trfund.com, (215) 574-5814

West Penn Power SEF, Joel Morrison, jlj9@psu.edu, (814) 865-4802

SEF of Central Eastern PA

Bill Routson, wrotuson@TheSEF.org, (610) 264-4440 Ext. 16

Capital Investment Program

John Sider, josider@state.pa.us, (717) 720-7447

Property Tax Assessment Exemption for Wind

Kerry Campbell, kcampbell@state.pa.us, (717) 772-5985



Incentives for Development of Contaminated Land

Pennsylvania

Funding (grants, loans, bonds, etc.)

Industrial Sites Reuse Program

www.newpa.com/programDetail.aspx?id=25

Provides loans and grants to municipalities and private entities for site assessment and remediation of former industrial sites; maximum of \$200,000 for site assessment, or \$1 million for remediation per year; all require a 25% match; loans carry a 2% rate for terms up to five years (for assessments) or 15 years (for remediation).

Infrastructure Development Program

www.newpa.com/programDetail.aspx?id=26

Provides public and private developers with grants and loans for site remediation, clearance, and new construction, up to \$1.25 million per project at 3% interest for 15 years. Grants are available for publicly-owned infrastructure.

Key Sites Initiative Under the Hazardous Sites Cleanup Fund

www.depweb.state.pa.us/dep/cwp/view.asp?a=3&q=474652

Municipalities and economic development agencies can use state-funded contractors to conduct site assessments and prepare cost estimates and remediation plans to promote reuse of abandoned industrial properties.

Business in Our Sites

www.newpa.com/programDetail.aspx?id=39

Offers flexible loans and grants to municipalities and loans to private developers to create future business growth and attract opportunities through the acquisition and preparation of key sites for development. \$300 million was allotted for this program in FY04.

Growing Greener

www.dep.state.pa.us/grantscenter/ProgramSummary.asp?ID=65

Provides grants to restore watersheds and streams, reclaim mined lands, remediate acid mine drainage.

Pennsylvania Infrastructure and Investment Authority (PENNVEST) Brownfields Loans

www.newpa.com/programDetail.aspx?id=42

Administers loans for the remediation of brownfields that pose a threat to local ground water or surface water sources (up to 30% of annual funding capacity). Loans to one municipality may total up to \$11 million per project; average project size is \$1.5 million.

Tax Increment Financing (TIF) Guarantee Program

www.newpa.com/programDetail.aspx?id=45

Assists in the development, redevelopment and revitalization of brownfields by loaning communities funding to develop blighted areas. A combination of technical assistance and loan guarantee assistance encourages small communities to utilize this program. The amount of loan guarantees for FY08 forward is \$60 million.

Other DEP Grant and Loan Programs

www.dep.state.pa.us/grantscenter/GrantAndLoanPrograms.asp

Additional Pennsylvania grant and loan programs for remediating brownfields can be found at the above Web site.

Technical Assistance

Department of Community and Economic Development

www.newpa.com/programFinder.aspx

Provides links to an array of economic development programs and incentives in Pennsylvania that may assist developers interested in clean energy development or cleaning up contaminated land through the above web site.

DEP Brownfield Action Team

www.depweb.state.pa.us/ocrlgs/cwp/view.asp?A=1459&Q=517198

Manages and coordinates remediation program development activities, permitting procedures and funding efforts related to redevelopment projects through matrix management of both central office and regional office directors. See above web site for more information.

Limitations on Liability

www.epa.gov/brownfields/pubs/bf_states_r3.pdf

Offers release from liability for approved cleanups and potentially responsible parties (PRPs) may participate. Sites remediated under the state Voluntary Cleanup Program may also satisfy federal requirements under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), Resource Conservation Recovery Act (RCRA), or Toxic Substances Control Act (TSCA).

Quick Facts

Limitations on Liability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Number of State-Tracked Contaminated Properties:	2,073
Includes Department of Environment Land Recycling Program Sites in Progress	
Number of EPA CERCLIS Sites:	403
Sites identified for potential investigation under the federal Superfund Program	
Number of EPA Brownfields Properties:	537
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 Pennsylvania.

Points of Contact

Industrial Sites Reuse Program, Infrastructure Development Program, Business in Our Sites

Brian Eckert, breckert@state.pa.us, (717) 720-1400

PENNVEST Brownfields Loans

Paul Marchetti, p.marchetti@state.pa.us, (717) 783-4496

TIF Guarantee Program

Brian Deemer, (717) 214-5332

Key Sites Initiative Under the Hazardous Waste Cleanup Fund, Growing Greener, and Other DEP Grant and Loan Programs

Tom Mellott, mtmellott@state.pa.us, (717) 783-7816