



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.)

Wind Production and Manufacturing Incentive Program

www.odod.state.oh.us/cdd/oe/GrantsLoans.htm

Provides production-based incentives to support new Ohio wind-energy projects at the rate of 1 cent (\$0.01) or 1.2 cents (\$0.012) per kWh of wind energy produced. The most recent solicitation, issued in February 2007, was open to utility-scale wind-energy projects (more than 5 MW) and to community wind-energy projects (500 kW to 5 MW). The Ohio Department of Development (ODOD) intends to issue a new round of funding in 2008 or 2009.

Advanced Energy Fund—Renewable Energy

www.odod.state.oh.us/cdd/oe/elfgrant.htm

Provides grants for wind energy systems, PV systems, and solar thermal systems. Non-residential wind-energy systems are eligible for a grant of \$2.50 per watt. The maximum grant award for a traditional wind-energy system is the lesser of \$150,000 or 50% of the project's cost. Non-residential solar-thermal systems are eligible for a grant of \$30 per kilo-BTU per day. The maximum grant award is the lesser of 50% of the project cost, or \$150,000 for a traditional solar-thermal system and \$200,000 for a third-party owned system. All non-residential PV systems are eligible for a grant of \$3.50 per watt. The maximum grant award for PV systems is the lesser of 50% of project costs, or \$150,000 for traditional systems and \$200,000 for third-party systems.

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

Ohio Air Quality Development Authority (OAQDA) Tax Incentives

www.ohioairquality.org/clean_air/large_bus_financial_benefits.asp

Offers a variety of tax incentives for projects improving air quality including 100% exemption from: tangible personal property tax, real property tax, corporate franchise tax, sales and use tax, and interest income on bonds and notes issued by OAQDA for qualifying air quality projects.

Technical Assistance and Other Incentives

Ohio Anemometer Loan Program

www.greenenergyohio.org/page.cfm?pageID=2193

Allows selected applicants to borrow all equipment necessary to measure the wind resource on their land.

Net Metering

www.puco.ohio.gov/PUCO/Consumer/information.cfm?id=8510

Allows net metering of up to 1% of a utility's peak demand and Yellow Springs Utilities allow residential and commercial customers to net meter PV and wind-energy systems up to 25 kW capacity. Contact the Ohio Public Utilities Commission (PUC) regarding potential opportunities and limitations to net metering.

Quick Facts

Public Benefit Fund (PBF)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Renewable Portfolio Standard 25% by 2025	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	0.9%	Nuclear	10.8%
Natural Gas-Fired	1.5%	Hydroelectric	0.4%
Coal-Fired	85.9%	Other Renewables	0.3%

Points of Contact

Ohio Department of Development Office of Energy Efficiency

www.odod.state.oh.us/cdd/oe/, (614) 466-6797

Wind Production and Manufacturing Incentive Program

Tom Maves, tmaves@odod.state.oh.us

Advanced Energy Fund

Preston Boone, elf@odod.state.oh.us

Ohio Air Quality Development Authority (OAQDA) Tax Incentives

www.ohioairquality.org

Mark Shanahan, mark.shanahan@aqda.state.oh.us, (614) 224-3383

Ohio Anemometer Loan Program

Green Energy Ohio

Kemp Jycox, kemp@greenenergyohio.org, (513) 833-7405

Net Metering

Public Utility Commission, www.puc.state.oh.us

Stuart Siegfried, stuart.siegfried@puc.state.oh.us, (800) 686-7826 or (614) 466-7536



Incentives for Development of Contaminated Land



Funding (grants, loans, bonds, etc.)

Clean Ohio Assistance Fund

clean.ohio.gov/BrownfieldRevitalization/

Provides grants for conservation projects from the Clean Ohio Fund. Applicants undertaking projects on properties located in an eligible area may expend the dollars on three activities: Phase I and Phase II assessments (up to \$15,000 or \$300,000 grant respectively), and brownfields cleanup (up to \$750,000 grant). The property must be on the Ohio Priority Investment Area Map.

Clean Ohio Revitalization Fund (CORF)

clean.ohio.gov/BrownfieldRevitalization/

Provides grants of up to \$3 million to communities for brownfields cleanup activities. Applicants must provide a 25% local match. In 2007, 14 communities received grant funding totaling over \$41 million. Funding goes towards property acquisition, demolition, cleanup, and infrastructure. This is part of a \$200 million initiative approved by Ohio voters as part of the \$400 million Clean Ohio Fund. A referendum in the 2008 election provided \$400 million in additional funding for the CORF.

Job Ready Sites (JRS) Program

www.odod.state.oh.us/edd/obd/jrs/

Stimulates the development of large parcels of land and/or buildings through grants based on: the projected capital investment, job creation and/or retention, average hourly wages, and other factors deemed significant by the Director of ODOD. The maximum grant award per eligible site improvement project is \$5 million to offset costs traditionally incurred in industrial and commercial site development (including acquisition of real property, utility upgrades, and build-out of speculative facilities).

Brownfield Revolving Loan Fund (RLF)

www.odod.state.oh.us/ud/BCRLF.htm

Offers below-market rate loans up to \$1 million, with potential deferment of up to one year, to assist with the remediation of a brownfield property to return it to a productive economic use in the community. The current fund has \$7 million to loan out. All real property with contamination from hazardous substances or petroleum above the applicable standard is eligible. The borrower must own the property, not be a potentially responsible party, and have the ability to repay.

Urban Redevelopment Loan Program

www.odod.state.oh.us/EDD/Loans_Grants.htm

Provides low-interest loans for redevelopment of urban properties, including remediation of brownfield sites. Loans are offered of up to \$5 million or 40% of eligible costs, for up to 15 years, with the potential for deferring principal and interest repayment for up to five years.

Water Pollution Control Loan Fund

www.epa.state.oh.us/defa/comguide.html

Issues low-interest loans up to \$3 million for up to 20 years for site investigation, design, or remediation that addresses water quality at qualifying brownfields.

Ohio Water Development Authority (OWDA) Brownfield Fund

www.owda.org/owda0001.asp?PgID=pi-summary

Extends loans to public or private entities for planning and design (up to \$500,000) or construction of brownfield site remediation (no maximum). Eligible costs include engineering and design fees, construction costs, legal, and inspection fees.

Technical Assistance and Other Incentives

Grant-funded Technical Assistance

www.epa.state.oh.us/derr/vap/docs/Procedures%20for%20Grant.pdf

Provides grant-funded technical assistance to public entities through the Voluntary Action Program.

Field Technical Assistance – Targeted Brownfield Assessment

www.epa.state.oh.us/derr/ers/sifu/fieldtechasst/fieldtechasst.html

Provides technical assistance to local government entities to conduct environmental assessments.

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

Voluntary Action Program (VAP) Tax Abatement

www.epa.state.oh.us/derr/vap/docs/Tax%20Incentives.pdf

Grants a 10-year tax exemption to the property from the Department of Taxation upon issuance of a Covenant Not to Sue (CNTS) from the Director of the Ohio EPA for a remedy under the VAP.

Limitations on Liability

VAP

www.epa.state.oh.us/derr/volunt/volunt.html

Provides liability protection under the Ohio EPA Voluntary Action Program CNTS based on issuance of a no further action letter.

Quick Facts

Limitations on Liability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Number of State-Tracked Contaminated Properties:	262
Includes Site Assessment and Brownfields Revitalization Program and Remedial Response Program sites	
Number of EPA CERCLIS Sites:	378
Sites identified for potential investigation under the federal Superfund Program	
Number of EPA Brownfields Properties:	378
Properties being funded or addressed under the EPA Brownfields Program	
<i>There may be some overlap among the categories listed and sites listed may not represent all potentially contaminated sites in Ohio.</i>	

Points of Contact

Ohio Department of Development (ODOD)

www.odod.state.oh.us/ud/

Clean Ohio Assistance Fund, CORF, JRS Program, Brownfield RLF

William Murdock, oud@odod.state.oh.us, (614) 466-4484

Urban Redevelopment Loan Program

Office of Financial Incentives, (800) 848-1300 or (614) 466-5420

Voluntary Action Program

www.epa.state.oh.us/derr/volunt/volunt.html

Water Pollution Control Loan Fund, Grant-funded Technical Assistance, VAP Tax Abatement, VAP Limitations on Liability

Amy Yersavich, amy.yersavich@epa.state.oh.us, (614) 644-2285

OWDA Brownfield Fund

Site Assessment and Brownfield Revitalization Program

www.epa.state.oh.us/derr/SABR/sabr.html, (614) 466-5822

Field Technical Assistance – Targeted Brownfield Assessment

Tiffani Kavalec, tiffani.kavalec@epa.state.oh.us, (614) 644-3538