



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

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

Renewable Energy Systems Tax Credit

www.geology.utah.gov/sep/incentives/re_credits2007.htm

Provides tax credits of 10% of costs for a renewable energy system (i.e., active solar, passive solar, geothermal electricity, direct-use geothermal, geothermal heat-pump, wind, hydroenergy, biomass) in a commercial building or structure, with a maximum credit of \$50,000. Also provides a production tax credit for commercial wind, biomass, and geothermal systems that produce electricity and have production capacities of 660 kW or greater with no maximum credit amount. The credit is equal to 0.35 cents per kWh of electricity for the first four years of operation.

Renewable Energy Sales and Use Tax Exemption

www.geology.utah.gov/sep/incentives/rincentives.htm#retaxcred

Exempts the purchase or lease of equipment used to generate electricity from wind, solar, biomass, landfill gas, anaerobic digestion, hydroelectricity, and geothermal resources from the state sales tax. A facility is eligible if it has a generation capacity of 20 kW or greater or if it increases its generation capacity by one or more MW as a result of the machinery or equipment. This exemption expires on June 30, 2009.

Technical Assistance and Other Incentives

Anemometer Loan Program

www.geology.utah.gov/sep/wind/anemometerdata/index.htm

Loans individuals with promising sites an anemometer and the necessary equipment needed to measure wind resources on their land. Utah residents and businesses are eligible to apply.

Net Metering

www.geology.utah.gov/sep/incentives/rincentives.htm#netmeter

Requires all investor-owned utilities and most electric cooperatives to offer net metering to customers that generate electricity using solar energy, wind energy, hydropower, hydrogen, biomass, landfill gas or geothermal energy. Net metering is available to non-residential systems up to 2 MW in capacity and limited to 0.1% of each utility's peak demand.

Quick Facts

Public Benefit Fund (PBF)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Renewable Portfolio Standard	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<i>Goal of 20% of adjusted retail sales by 2025; utilities only required to use renewable energy if it is cost-effective to do so</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-Fired	0.2%	Nuclear	0%
Natural Gas-Fired	8.2%	Hydroelectric	1.8%
Coal-Fired	89.3%	Other Renewables	0.5%

Points of Contact

Utah Geological Survey

www.geology.utah.gov/

Renewable Energy Systems Tax Credit, Renewable Energy Sales and Use Tax Exemption, Anemometer Loan Program, Net Metering

Jason Berry, jasonberry@utah.gov, (801) 538-5413



Incentives for Development of Contaminated Land



Funding (grants, loans, bonds, etc.)

Petroleum Storage Tank Loan Fund

www.undergroundtanks.utah.gov/pst_loan.htm

Offers low interest loans for upgrading, replacing, or closing underground storage tanks (USTs). The loan program offers a maximum of \$15,000 per tank and 80% of the total project cost up to \$45,000 per facility. Loan terms include a fixed annual rate of 3% and loans must be paid back within 10 years.

Limitations on Liability

Voluntary Cleanup Program (VCP) – Certificate of Completion

www.superfund.utah.gov/vcp.htm

Offers a Certificate of Completion (COC) with limited liability relief to an applicant who is not responsible for the contamination at the time the applicant applies to enter the VCP and to an owner who then acquires property covered by the COC or to a lender who then makes a loan secured by the property covered by the COC.

Enforceable Written Assurances

www.superfund.utah.gov/vcp.htm

Provides that the Hazardous Substance Mitigation Act was amended in 2005 to expressly allow the Executive Director to issue Enforceable Written Assurances to bona fide prospective purchasers, contiguous property owners, and innocent landowners. These terms are defined by the federal Comprehensive Environmental Response, Compensation, and Liability Act and incorporated in the Hazardous Substances Mitigation Act. The Utah Department of Environmental Quality will not bring an enforcement action under the Hazardous Substances Mitigation Act against the holder of an Enforceable Written Assurance, provided the holder continues to satisfy the ongoing obligations associated with the written assurance.

Quick Facts

Limitations on Liability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Number of State-Tracked Contaminated Properties: Includes Voluntary Cleanup Program and Brownfield Program sites	63
Number of EPA CERCLIS Sites: Sites identified for potential investigation under the federal Superfund Program	209
Number of EPA Brownfields Properties: Properties being funded or addressed under the EPA Brownfields Program	27

There may be some overlap among the categories listed and sites listed may not represent all potentially contaminated sites in Utah.

Points of Contact

Petroleum Storage Tank Loan Fund

Gary Astin, gastin@utah.gov, (801) 536-4103

Diane Hernandez, dhernandez@utah.gov, (801) 536-4116

Limitations on Liability

Bill Rees, brees@utah.gov, (801) 536-4100