



# 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

#### Solar Thermal Systems/Photovoltaic System Tax Credit

<http://hawaii.gov/dbedt/info/energy/publications/taxcredits06.pdf>

Provides 35% of actual cost of the system including accessories and installation or \$250,000, whichever is less. Tax credit does not include consumer incentives and costs for which another credit is claimed.

#### Wind System Tax Credit

<http://hawaii.gov/dbedt/info/energy/publications/taxcredits06.pdf>

Provides 20% of actual cost of the system, including accessories and installation or \$500,000, whichever is less. Tax credit does not include consumer incentives and costs for which another credit is claimed.

### Net Metering

<http://hawaii.gov/dbedt/info/energy>

Establishes that Hawaii has both simplified interconnection rules for small renewables and separate rules for all other distributed generation (DG). Simplified interconnection procedures for net metering are available for solar, wind, biomass, and hydroelectric systems up to 50 kW in capacity on Kauai and 100 kW in capacity on the other islands. A manual, lockable disconnect is required for net-metered systems, and a provision for mutual indemnification is included.

### 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"/>
10% by December 31, 2010; 15% by December 31, 2015 20% by December 31, 2020	
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	78.4%	Hydroelectric	1.0%
Natural Gas-Fired	0.0%	Other Renewables	5.3%
Coal-Fired	13.4%	Other	1.8%
Nuclear	-		

### Points of Contact

#### Solar and Wind Tax Incentives

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# Incentives for Development of Contaminated Land



## Funding

### Hawaii Brownfields Revolving Loan Program

<http://hawaii.gov/dbedt/main/about/annual/2006-brownfields-cleanup.pdf/view?searchterm=brownfields>

Provides a \$1.9 million loan fund that may be distributed through approved loans to redevelopment projects in any of coalition partners' jurisdictions. Repayments of loans will re-capitalize the loan fund allowing more loans to be made.

## Technical Assistance and Other Incentives

### Hawaii Brownfields Forum

[www.co.honolulu.hi.us/dcs/specialprojects/brownfields\\_overviewofhawaiisbrownfieldsprogram.pdf](http://www.co.honolulu.hi.us/dcs/specialprojects/brownfields_overviewofhawaiisbrownfieldsprogram.pdf)

Encourages and facilitates the redevelopment of contaminated property in Hawaii. The *Forum* offers diverse stakeholders an opportunity to gather three times a year, hear presentations on current issues, and network productively. The goal of the *Forum* is to facilitate the identification, cleanup, and redevelopment of contaminated property.

## Limitations on Liability

### Voluntary Cleanup Program

<http://hawaii.gov/health/environmental/hazard/vrp.html>

Oversees cleanup activities, and when completed, parties will receive an official "letter of completion" for the specific property and contaminants addressed. This letter will certify that the site has been properly cleaned up and, to the extent allowed in the law, provide relief from future liability. The expectation is that the assurances provided in the "letter of completion" will help facilitate the sale and/or development of the property.

### Quick Facts

Limitations on Liability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Number of State-Tracked Contaminated Properties: Includes Voluntary Cleanup Program Sites	25
Number of EPA CERCLIS Sites: Sites identified for potential investigation under the federal Superfund Program	94
Number of EPA Brownfields Properties: Properties being funded or addressed under the EPA Brownfields Program	8

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

### Points of Contact

**Hawaii Department of Health**  
**Hawaii Brownfields Revolving Loan Program, Hawaii Brownfields Forum, Voluntary Cleanup Program**  
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