

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.)

Connecticut Clean Energy Fund (CCEF)

www.ctinnovations.com/funding/ccef/about.php

Promotes, develops, and invests in clean and sustainable energy sources, including these incentives:

Onsite Renewable Distributed Generation (DG)

www.ctinnovations.com/funding/ccef/renewable_dg.php

Provides grants of up to \$4 million per individual project to install systems that generate energy from renewable sources. In addition, grants of up to \$50,000 per installation are available to support site-specific technical and financial feasibility studies.

Operational Demonstration Program

www.ctinnovations.com/funding/ccef/demo_project.php

Provides up to \$750,000 for demonstration projects of near-commercial, clean-energy technologies that have a high likelihood of developing into a commercial product in a reasonable period of time.

Project 150 Initiative

www.ctcleanenergy.com/commercial/project150.php

Helps electric distribution companies (EDCs) finance renewable energy projects through long-term Electricity Purchase Agreements (EPAs). EDCs will enter into 10 to 20 year EPAs with generators of Class I renewable energy. Pricing under these EPAs will include a premium of up to 5.5¢/kWh. In addition, the CCEF will award at least \$50,000 to each project selected for an EPA.

Connecticut Office of Policy and Management - New Energy Technology Program

<http://www.opm.state.ct.us/pdpd2/grants/net.htm>

Provides grants of up to \$10,000 to a maximum of five small firms (a firm that employs 30 or fewer people per year) to facilitate the development/use of promising pre-commercial renewable energy technologies.

Connecticut Department of Public Utility Control (DPUC) – Low Interest Loans for Customer-Side Distributed Resources

www.dpuc.state.ct.us/Electric.nsf/All?OpenView&Start=1&Count=30&Expand=1.1#1.1

Offers grants to eligible baseload DG projects of \$450 per kW, up to a maximum of 65 MW, to retail end-use customers of electric distribution companies for the installation of customer-side distributed resources.

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

Sales Tax Exemption for Solar and Geothermal Systems

www.ct.gov/DRS

Provides a 100% sales tax exemption for solar and geothermal heat pumps, including solar electricity generating systems.

Property Tax Exemption for "Class I" Renewable Energy Systems and Hydropower Facilities, www.ct.gov/DRS

Provides a 100% property tax exemption for "Class I" renewable energy systems and hydropower facilities.

Technical Assistance and Other Incentives

Mass Energy – Renewable Energy Certificate Incentive

www.massenergy.com/Solar.REC.Sale.html

Offers to purchase renewable energy certificates at a rate of \$30 per MW-hour, for a period of three years, from PV systems.

Net Metering

www.state.ct.us/dpucl/

Connecticut requires net metering to no limit for generation using Class I renewable energy sources (e.g., solar, wind, or biomass power).

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"/>
27% by 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	3.7%	Nuclear	47.8%
Natural Gas-Fired	30.2%	Hydroelectric	1.6%
Coal-Fired	12.3%	Other Renewables	2.2%

Points of Contact

Connecticut Clean Energy Fund

www.ctcleanenergy.com

Lise Dondy, lise.dondy@ctinnovations.com, (860) 257-2336
Dale Hedman, dale.hedman@ctinnovations.com, (860) 563-5851 Ext.331

Connecticut Office of Policy and Management - New Energy Technology Program

www.opm.state.ct.us/

John Ruckes, john.ruckes@po.state.ct.us, (860) 418-6384

Sales Tax Exemption, Property Tax Exemption

Connecticut Department of Revenue Services, www.ct.gov/DRS
Public Information Officer, (860) 297-5962

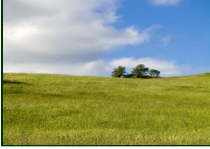
Connecticut DPUC Low Interest Loans for Customer-Side Distributed Resources

www.state.ct.us/DPUC/

Paul Carver, paul.carver@po.state.ct.us, (860) 827-2773

Mass Energy, www.massenergy.com

Kelly Muellman, kelly@massenergy.com, (617) 524-3950



Incentives for Development of Contaminated Land



Funding (grants, loans, bonds, etc.)

CT Brownfield Revolving Loan Fund (CBRLF)

www.ctbrownfields.gov/ctbrownfields/cwp/view.asp?a=2620&q=319598

Provides low-interest loans to municipalities, private entities and non-profits for environmental cleanup of non-residential properties.

Urban Sites Remedial Action Program (USRAP)

www.ctbrownfields.gov/ctbrownfields/cwp/view.asp?a=2620&q=319334

Provides funds to facilitate the transfer and redevelopment of potentially polluted commercial and industrial property in designated Distressed Municipalities and Targeted Investment Communities.

Brownfield Municipal Pilot Program

www.ctbrownfields.gov/ctbrownfields/cwp/view.asp?a=2620&q=416724

Provides grants to fund municipal projects that are complicated by brownfields. Project sites do not need to be owned by the municipality.

Special Contaminated Property Remediation and Insurance Fund (SCPRIF)

www.ctbrownfields.gov/ctbrownfields/cwp/view.asp?a=2620&q=319330

Provides low-interest, five-year loans to municipalities and private entities for Phase II and III investigations and demolition costs.

Dry Cleaning Establishment Remediation Fund

www.ct.gov/ecd/cwp/view.asp?a=1101&q=249816

Provides grants up to \$300,000 to eligible dry cleaning business operators and landlords for the assessment, cleanup, containment, or mitigation of pollution resulting from releases of chemicals used for dry cleaning.

Connecticut's UST Petroleum Clean-up Account Program

www.ct.gov/dep/cwp/view.asp?a=2717&q=325322&depNav_GID=1652

Provides reimbursement up to \$1 million per release to eligible petroleum tank owners/operators for taking corrective actions and for third party liability costs associated with the investigation and cleanup of sites impacted by leaking underground storage tanks.

Tax Incentive Fund (TIF) - Connecticut Brownfields Redevelopment Authority (CBRA)

www.ctbrownfields.com/Content/Grants.asp

Provides up-front TIF- based grants of up to \$10,000,000 to investors, developers, and business owners that clean up and redevelop environmentally contaminated properties.

Connecticut Development Authority Direct, Guaranteed, or Participating Loans

www.ctcda.com/CMSLite/default.asp?CMSLite_Page=18&Info=General+Business

Provides below market interest rate loans from \$250,000 to \$5 million to assist with brownfields remediation and redevelopment.

Tax Incentives (abatements, credits, etc.)

Industrial Site Investment Tax Credit Program

www.ct.gov/ecd/cwp/view.asp?a=1101&q=249822

Offers investors a corporate tax credit of up to 100% of their investment, up to a maximum of \$100,000,000, for investments made in real property that has been subject to environmental contamination.

Urban Site Investment Tax Credit Program

www.ct.gov/ecd/cwp/view.asp?a=1101&q=249842

Offers a corporate tax credit of up to 100%, maximum of \$100,000,000. An eligible Urban Site Investment Project will add new economic activity, increase employment, and generate additional tax revenues.

Enterprise Zone Program

www.ct.gov/ecd/cwp/view.asp?a=1099&q=249766

Provides tax abatement for five years and 80% of local property taxes on real estate improvements located within Enterprise Zones; or 10 years/50% tax credit; as well as a seven-year minimum deferral of increased taxes.

Technical Assistance and Other Incentives

Environmental Insurance Program

www.ctbrownfields.gov/ctbrownfields/cwp/view.asp?a=2631&q=319586

Helps clients choose the proper coverage for their project.

Limitations on Liability

Covenant Not to Sue/Third Party Liability Program

www.ctbrownfields.gov/ctbrownfields/cwp/view.asp?a=2631&q=319704#liability

Provides a covenant not to sue, upon completion of all requirements of the state's Voluntary Remediation Program.

Quick Facts

Limitations on Liability Yes No
Covenant Not to Sue, Third Party Liability Program

Number of State-Tracked Contaminated Properties: 164
Includes Urban Sites Remedial Action Program, Voluntary Remediation Program, and Property Transfer Program sites

Number of EPA CERCLIS Sites: 404
Sites identified for potential investigation under the federal Superfund Program

Number of EPA Brownfields Properties: 34
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 Connecticut.

Points of Contact

Connecticut Office of Brownfield Remediation and Development
CBRLF, USRAP, Brownfield Municipal Pilot Program, SCPRIF, Dry
Cleaning Establishment Remediation Fund, Environmental
Insurance Program

Elizabeth Appel, elizabeth.appel@ct.gov, (860) 270-8043

Enterprise Zone Program

Anne Karas, anne.karas@po.state.ct.us, (860) 270-8143

Connecticut's UST Petroleum Clean-up Account Program

Jacques Gilbert, jacques.gilbert@ct.gov, (860) 424-3370

Connecticut Development Authority

TIF-CBRA, Connecticut Development Authority Direct, Guaranteed,
or Participating Loans, Cynthia Petruzzello, (860) 258-7833

Department of Economic and Community Development
Industrial and Urban Site Investment Tax Credit Program
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