

# ENERGY

## Energy Efficiency ♦ Renewable Energy ♦ Energy Consumption ♦ Research & Development

The following information about funding included in the American Recovery and Reinvestment Act of 2009 was compiled by the Office of Senator Christopher J. Dodd. This document is intended to provide the public with basic information of potential federal assistance and funding opportunities. Those interested in these or similar programs should contact the appropriate federal and state agencies for detailed information. Please note: Not all applicable programs are included below; the following information is subject to change; and additional requirements, restrictions and guidance may apply.

### State Energy Program

*\$3.1 billion was included for the State Energy Program.*

**Connecticut will receive \$39.1 million in formula funding.**

<b>Administrator:</b>	Connecticut Office of Policy and Management (OPM)
<b>Description:</b>	States use grants to address energy priorities and program funding to adopt emerging renewable energy and energy efficiency technologies
<b>Website:</b>	<a href="http://www.ct.gov/opm">www.ct.gov/opm</a>
<b>Phone:</b>	(860) 418-6416 (OPM) (860) 418-6441 (State Energy Office)
<b>Helpful Link:</b>	<a href="http://apps1.eere.energy.gov/state_energy_program/projects_all_by_state.cfm/state=CT">http://apps1.eere.energy.gov/state_energy_program/projects_all_by_state.cfm/state=CT</a>

### Weatherization Assistance Program

*\$5 billion was included for the Weatherization Assistance Program. Provisions also expand the eligibility of low income households for the Weatherization Assistance Program and increasing the funding assistance level per dwelling (from \$2,500 per dwelling to \$6,500)*

**Connecticut will receive \$65.8 million in formula funding.**

<b>Administrator:</b>	Connecticut Department of Social Services (DSS)
<b>Description:</b>	Provides energy efficiency measures in the homes of qualifying homeowners free of charge
<b>Purpose:</b>	To assist low-income families reduce their energy bills by making their homes more energy efficient
<b>Website:</b>	<a href="http://www.ct.gov/dss/cwp/view.asp?a=2353&amp;q=305196">http://www.ct.gov/dss/cwp/view.asp?a=2353&amp;q=305196</a>
<b>Phone:</b>	1-800-842-1508 (CT DSS) (860) 424-5889

### Energy Efficiency and Conservation Block Grant (EECBG)

*\$3.2 billion was included for EECBG.*

<b>Office:</b>	Energy Efficiency and Renewable Energy (EERE)
<b>Agency:</b>	U.S. Department of Energy
<b>Purpose:</b>	To reduce fossil fuel emissions, decrease overall energy consumption, Improve energy efficiency in the transportation, building, and other energy consuming sectors of the economies of eligible entities
<b>Description:</b>	Assists states and local governments in implementing strategies to reduce fossil fuel emissions created as a result of activities within the jurisdictions of the eligible entities and reduce the total energy use. Activities eligible to receive funding include: conducting

	residential and commercial building energy audits; establishing financial incentives programs for energy efficiency improvements; grants to non-profits organizations to perform energy efficiency retrofits; developing/implementing programs to conserve energy used in transportation; developing and implementing building codes and inspections services to promote building energy efficiency; installing light emitting diodes (LEDs); and developing, implementing, and installing on or in any government building onsite renewable energy technology that generates electricity from renewable sources.
<b>Website:</b>	<a href="http://apps1.eere.energy.gov/wip/block_grants.cfm">http://apps1.eere.energy.gov/wip/block_grants.cfm</a>
<b>Email:</b>	eeric@ee.doe.gov
<b>Phone:</b>	1-877-EERE-INFO (1-877-337-3463)

## Energy Efficiency and Renewable Energy (EERE)

*\$16.8 billion was included for EERE*

<b>Agency:</b>	U.S. Department of Energy
<b>Programs:</b>	10 energy programs, including the Biomass Program; Building Technologies Program; Federal Energy Management Program; Geothermal Technologies Program; Hydrogen, Fuel Cells & Infrastructure Program; Industrial Technologies Program; Solar Energy Technologies Program; Vehicle Technologies; Wind & Hydropower Technologies Program; and Weatherization & Intergovernmental Program
<b>Activities:</b>	EERE's programs conduct activities in partnership with the private sector, state and local government, DOE national laboratories, and universities
<b>CT Profile:</b>	<a href="http://apps1.eere.energy.gov/states/state_specific_information.cfm/state=CT">http://apps1.eere.energy.gov/states/state_specific_information.cfm/state=CT</a>
<b>Website:</b>	<a href="http://www.eere.energy.gov/">www.eere.energy.gov/</a>
<b>Webform:</b>	Submit questions online: <a href="http://www1.eere.energy.gov/informationcenter/">http://www1.eere.energy.gov/informationcenter/</a>
<b>Phone:</b>	(877) 337-3463 - Energy Information Center

## Biomass Program

*\$800 million to be dedicated to projects related to biomass*

<b>Office:</b>	Energy Efficiency and Renewable Energy (EERE)
<b>Agency:</b>	U.S. Department of Energy
<b>Activities:</b>	For research, development and demonstration for converting biomass resources to biofuels
<b>Website:</b>	<a href="http://www.eere.energy.gov/biomass">www.eere.energy.gov/biomass</a>
<b>Phone:</b>	(877) 337-3463 (EERE Information Center)
<b>Email:</b>	eere_biomass@ee.doe.gov
<b>Helpful Link:</b>	<a href="http://www1.eere.energy.gov/biomass/financial_opportunities.html">http://www1.eere.energy.gov/biomass/financial_opportunities.html</a>

## Geothermal Technologies Program

*\$400 million to be dedicated for geothermal activities and projects*

<b>Office:</b>	Energy Efficiency and Renewable Energy (EERE)
<b>Agency:</b>	U.S. Department of Energy
<b>Activities:</b>	Research, development and demonstration efforts that emphasize the advancement of enhanced geothermal systems
<b>Website:</b>	<a href="http://www.eere.energy.gov/geothermal">www.eere.energy.gov/geothermal</a>
<b>Phone:</b>	(877) 337-3463 (EERE Information Center)
<b>Helpful Link:</b>	<a href="http://www1.eere.energy.gov/geothermal/financial.html">http://www1.eere.energy.gov/geothermal/financial.html</a>

## Advanced Battery Manufacturing

*\$2 billion was included for Advanced Battery Manufacturing grants to support the manufacturing of advanced vehicle batteries and components*

<b>Office:</b>	Energy Efficiency and Renewable Energy (EERE)
<b>Agency:</b>	U.S. Department of Energy
<b>Activities:</b>	For the manufacturing of advanced batteries and components; and to provide facility funding to manufacturers of advanced battery systems and vehicle batteries that are produced in the United States, including advanced lithium ion batteries, hybrid electrical systems, component manufacturers, and software designers
<b>Type:</b>	Competitive Grants
<b>Website:</b>	<a href="http://www.eere.energy.gov">www.eere.energy.gov</a>
<b>Phone:</b>	(877) 337-3463 (EERE Information Center)
<b>Authorization Reference:</b>	(EISA 2007 Sec. 136(b)(1)(B))

## Alternative Fueled Vehicle Pilot Grant Program

*\$300 million was included for the Alternative Fueled Vehicles Pilot Grant Program*

<b>Office:</b>	Clean Cities Program Energy Efficiency and Renewable Energy (EERE)
<b>Agency:</b>	U.S. Department of Energy
<b>Purposes:</b>	To establish a grant program through the DOE Clean Cities Program to encourage the use of plug-in electric drive vehicles or other emerging electric vehicle technologies.
<b>Recipients:</b>	State governments, local governments, metropolitan transportation authorities, air pollution control districts, and private or nonprofit entities.
<b>Activities:</b>	May be used for the acquisition of alternative fueled vehicles, fuel cell vehicles or hybrid vehicles, including buses for public transportation and ground support vehicles at public airports. The installation or acquisition of infrastructure necessary to directly support an alternative fueled vehicle, fuel cell vehicle, or hybrid vehicle project funded by the grant is also eligible.
<b>Type:</b>	Competitive Grant
<b>CT Profile:</b>	<a href="http://www.afdc.energy.gov/cleancities/progs/coordinators.php">http://www.afdc.energy.gov/cleancities/progs/coordinators.php</a>
<b>Website:</b>	<a href="http://www.eere.energy.gov/cleancities">www.eere.energy.gov/cleancities</a>
<b>Phone:</b>	(877) 337-3463 - EERE General Information Center
<b>Authorization Reference:</b>	(EPACT 2005 Sec. 721)

## Transportation Electrification

*\$400 million for Transportation Electrification grant projects.*

<b>Office:</b>	Energy Efficiency and Renewable Energy (EERE)
<b>Agency:</b>	U.S. Department of Energy
<b>Purposes:</b>	To implement a grant program for qualified electric transportation projects that reduce emissions, including shipside electrification of vehicles, truck stop electrification, airport ground support equipment and cargo handling equipment
<b>Recipients:</b>	States, local governments, and metropolitan transportation authorities
<b>Type:</b>	Competitive Grant
<b>Website:</b>	<a href="http://www.eere.energy.gov">www.eere.energy.gov</a>
<b>Phone:</b>	(877) 337-3463 - EERE General Information Center
<b>Authorization Reference:</b>	(EISA 2007 Sec.131)

## Energy Efficient Appliance Rebate Program and Energy Star Program

*\$300 million was included for the Energy Efficient Appliance Rebate program and the Energy Star Program.*

<b>Office:</b>	Energy Efficiency and Renewable Energy (EERE)
<b>Agency:</b>	U.S. Department of Energy
<b>Description:</b>	Approximately 15 states have appliance rebate programs currently operating to incentivize the purchase of energy efficient appliances. This program would add federal funds to increase the effectiveness of these programs and to encourage the remaining states to adopt similar programs. This will speed the rollout of appliances that will be able to take advantage of smart meters and spur consumer purchases of smart and energy-efficient appliances.
<b>Administrator:</b>	Connecticut Office of Policy and Management (OPM)
<b>Website:</b>	<a href="http://apps1.eere.energy.gov/states/alternatives/rebates.cfm">http://apps1.eere.energy.gov/states/alternatives/rebates.cfm</a> <a href="http://www.energystar.gov/">http://www.energystar.gov/</a> <a href="http://www.ct.gov/opm">www.ct.gov/opm</a>
<b>Phone:</b>	(877) 337-3463 (EERE General Information Center) (888) 782-7937 (ENERGY STAR Hotline) (860) 418-6416 (OPM) (860) 418-6441 (State Energy Office)
<b>Authorization Reference:</b>	(EPACT 2005 Sec. 124)

## Smart Grid Investment Program

*\$4.5 billion was included for the Smart Grid Investment Program.*

<b>Office:</b>	Electricity Delivery and Energy Reliability
<b>Agency:</b>	U.S. Department of Energy
<b>Purposes:</b>	To modernize the electric grid, enhance security and reliability of the energy infrastructure, energy storage research, development, demonstration and deployment, and facilitate recovery from disruptions to the energy supply, and authorized purposes.

<b>Activities:</b>	For research and development, pilot projects, and federal matching funds for the Smart Grid Investment Program to meet the goal of a modern electric grid, enhance security and reliability of energy infrastructure, and facilitate recovery from disruptions to the energy supply.
	The Office of Electricity Delivery and Energy Reliability projects are planned and implemented in concert with partners from other Federal programs; electric utilities; equipment manufacturers; regional, state, and local agencies; national laboratories; and universities.
<b>Website:</b>	<a href="http://www.oe.energy.gov">www.oe.energy.gov</a> <a href="http://www.oe.energy.gov/smartgrid.htm">www.oe.energy.gov/smartgrid.htm</a>
<b>Phone:</b>	(202) 586-1411 (Office of Electricity, Delivery and Energy Reliability)
<b>Authorization Reference:</b>	<a href="http://www.oe.energy.gov/DocumentsandMedia/EISA_Title_XIII_Smart_Grid.pdf">http://www.oe.energy.gov/DocumentsandMedia/EISA_Title_XIII_Smart_Grid.pdf</a>

### Fossil Energy Research and Development Program

*\$3.4 billion was included for Fossil Energy Research and Development Program.*

<b>Office:</b>	Office of Fossil Energy
<b>Agency:</b>	U.S. Department of Energy
<b>Description:</b>	Research and Development programs include pollution control innovations for traditional power plants, including mercury reduction; improved gasification technologies; advanced combustion systems; development of stationary power fuel cells; improved turbines for future coal-based combined cycle plants; and creation of a portfolio of technologies that can capture and permanently store greenhouse gases.
<b>Activities:</b>	Research and development (R&D) partnerships, cooperative R&D agreements, financial assistance, and contractual arrangements with universities and the private sector.
<b>CT Profile:</b>	<a href="http://fossil.energy.gov/programs/projectdatabase/stateprofiles/2004/Connecticut.html">http://fossil.energy.gov/programs/projectdatabase/stateprofiles/2004/Connecticut.html</a>
<b>Website:</b>	<a href="http://www.fossil.energy.gov">www.fossil.energy.gov</a>
<b>Phone:</b>	(202) 586-6660 (Office of Fossil Energy)

### Science Program

*\$1.6 billion was included for the science program.*

<b>Office:</b>	Office of Science
<b>Agency:</b>	U.S. Department of Energy
<b>Description:</b>	The Office of Science manages fundamental research programs in basic energy sciences, biological and environmental sciences, and computational science.
<b>CT Profile:</b>	<a href="http://www.sc.doe.gov/SC_Funding/ct/ct.htm">http://www.sc.doe.gov/SC_Funding/ct/ct.htm</a>
<b>Website:</b>	<a href="http://www.science.doe.gov">www.science.doe.gov</a> <a href="http://www.science.doe.gov/grants/grants.html">http://www.science.doe.gov/grants/grants.html</a>
<b>Webform:</b>	<a href="http://www.sc.doe.gov/Contact/index.htm">http://www.sc.doe.gov/Contact/index.htm</a>
<b>Phone:</b>	(202) 586-5430 (Office of Science)

## Advanced Research Projects Agency (ARPA-E)

*\$400 million included for the Advanced Research Projects Agency (ARPA-E).*

<b>Agency:</b>	U.S. Department of Energy
<b>Purposes:</b>	To support high-risk, high-payoff research to accelerate the innovation cycle for both traditional and alternative energy sources and energy
<b>Background:</b>	In 2007, Congress approved (PL 110-69) the creation of the Advanced Research Projects Agency-Energy (ARPA-E). Modeled after the Defense Research Advanced Research Projects Agency (DARPA), ARPA-E will develop and deploy advanced energy technologies by identifying and promoting revolutionary advances in fundamental sciences, translating those discoveries into technological innovations, and accelerating transformational technological advances in areas that industry by itself is not likely to undertake.
<b>Eligibility as Authorized:</b>	Awards to institutions of higher education, companies, research foundations, trade and industry research collaborations, or consortia of such entities, which may include federally-funded research and development centers.
<b>Website:</b>	<a href="http://www.energy.gov">www.energy.gov</a>
<b>Phone:</b>	1-800-dial-DOE (1-800-342-5363)
<b>Authorization Reference:</b>	Section 5012 of the America COMPETES Act (42 U.S.C. 16538)