

ENERGY AND NATURAL RESOURCES

The following information about funding included in the American Recovery and Reinvestment Act of 2009 was compiled by the Office of Congressman Silvestre Reyes. 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.

The American Recovery and Reinvestment Act provides investments in areas critical to the development of clean and efficient energy. The Recovery Act allocates \$16.8 billion for various programs within the U.S. Department of Energy. Most of the funds are specified for the Office of Energy Efficiency and Renewable Energy (EERE). EERE works to strengthen the United States' energy security, environmental quality, and economic vitality in public-private partnerships by supporting enhancements in energy efficiency and productivity; bringing clean, reliable and affordable energy technologies to the marketplace, and enhancing Americans energy choices. You can visit EERE's website at <http://www.eere.energy.gov/> to learn more about the agency. Below is a summary of some of the federal and state programs that will receive funds from the American Recovery and Reinvestment Act.

- Grant:** **State Energy Efficiency Programs**
Amount: \$3.1 billion, \$218,782,000 for Texas.
Type: States receive funding through a formula
Description: States use grants to address energy priorities and program funding to adopt emerging renewable energy and energy efficiency technologies.
Contact: Texas State Energy Conservation Office
Phone: (512) 463-1931
<http://www.seco.cpa.state.tx.us/>
- Grant:** **Weatherization Assistance Program**
Amount: \$5 billion total, \$326,975,732 for Texas. Provisions also expand the eligibility of low income households for the Weatherization Assistance Program and increase the funding assistance level per dwelling (from \$2,500 per dwelling to \$6,500).
Type: States receive funding through a formula
Description: Provides energy efficiency measures in the homes of qualifying homeowners free of charge. For information on how to apply for these funds, contact the Texas Department of Housing and Community Affairs' Weatherization Assistance Program.
Purpose: To assist low-income families reduce their energy bills by making their homes more energy efficient.
Deadline: Plan Application due 5/12/2009
Contact: U.S. Department of Energy Weatherization Program:
http://apps1.eere.energy.gov/weatherization/state_activities_detail.cfm/state_abbrev=tx
Texas Department of Housing and Community Affairs
P.O. Box 13941
Austin, TX 78711-3941
Phone: 512-475-3800 or (888) 606-8889

<http://www.tdhca.state.tx.us/ea/index.htm>

Project BRAVO

4838 Montana Avenue

El Paso, TX 79903

Phone: (915) 562-4100

<http://www.projectbravo.org>

Grant: **Energy Efficiency and Conservation Block Grant (EECBG)**
Amount: \$3.2 billion total. \$5,802,700 was awarded to the City of El Paso and \$110,700 to the Tigua Ysleta Del Sur Pueblo tribe through direct formula grants. Texas' State Energy Office (SEO) received an additional \$45,638,100, not less than 60% of which must be awarded to cities and counties within the state that are ineligible for direct formula grants from the DOE.
Type: Formula and competitive grants to government entities
Office: Energy Efficiency and Renewable Energy (EERE)
Agency: U.S. Department of Energy
Purpose: 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.
Description: 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.
Website: http://apps1.eere.energy.gov/wip/block_grants.cfm

Grant: **Energy Efficiency and Conservation Block Grants: Additional**
Amount: \$400 million
Agency: U.S. Dept. of Energy
Description: Additional competitive grants for the reduction of energy use and fossil fuel emissions, and for improvements in energy efficiency.
Type: Competitive Grants
Website: http://apps1.eere.energy.gov/wip/block_grants.cfm

Grants: **Energy Efficiency and Conservation Block Grants: Large Cities and Counties**
Amount: \$163.3 million
Agency: U.S. Dept. of Energy
Description: For the reduction of energy use and fossil fuel emissions, and for improvements in energy efficiency. Cities with populations greater than 35,000 and counties greater than 200,000 apply directly to the U.S. Dept. of Energy for project grants.

Type: Formula Grants
Website: http://apps1.eere.energy.gov/wip/block_grants.cfm

Grants: Energy Efficiency and Conservation Block Grant: Smaller Cities and Counties

Amount: \$45.6 million
Agency: State Energy Conservation Office
Description: For the reduction of energy use and fossil fuel emissions, and for improvements in energy efficiency. Smaller cities and counties in Texas apply to the State Energy Conservation Office for project grants.

Type: Formula Grants
Website: www.seco.cpa.state.tx.us/resources/arra.php

Grant: Energy Efficiency and Renewable Energy (EERE)

Amount: \$16.8 billion
Type: Competitive grants to private sector, state and local governments, national labs, and universities
Agency: U.S. Department of Energy
Programs: 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.
Website: www.eere.energy.gov/
Texas Information: http://apps1.eere.energy.gov/states/state_specific_information.cfm/state=TX

Grant: Biomass Program

Amount: \$800 million to be dedicated to projects related to biomass
Type: Competitive grants
Office: Energy Efficiency and Renewable Energy (EERE)
Agency: U.S. Department of Energy
Activities: For research, development and demonstration for converting biomass resources to biofuels.
Website: www.eere.energy.gov/biomass

Grant: Geothermal Technologies Program

Amount: \$400 million to be dedicated for geothermal activities and projects
Type: Competitive grants
Office: Energy Efficiency and Renewable Energy (EERE)
Agency: U.S. Department of Energy
Activities: Research, development and demonstration efforts that emphasize the advancement of enhanced geothermal systems.
Website: www.eere.energy.gov/geothermal

Grant: Advanced Battery Manufacturing

Amount: \$2 billion was included to support the manufacturing of advanced vehicle batteries and components

Type: Competitive grants to domestic manufacturing facilities
Office: Energy Efficiency and Renewable Energy (EERE)
Agency: U.S. Department of Energy
Activities: 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.
Website: www.eere.energy.gov

Grant: Alternative Fueled Vehicle Pilot Grant Program
Amount: \$300 million
Type: Competitive grants to state governments, local governments, metropolitan transportation authorities, air pollution control districts, and private or nonprofit entities.
Office: Energy Efficiency and Renewable Energy (EERE) - Clean Cities Program
Agency: U.S. Department of Energy
Purposes: 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. Funds 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 are also eligible.
Website: www.eere.energy.gov/cleancities

Grant: Transportation Electrification
Amount: \$400 million
Type: Competitive grant to states, local governments, and metropolitan transportation authorities.
Office: Energy Efficiency and Renewable Energy (EERE)
Agency: U.S. Department of Energy
Purposes: 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.
Website: www.eere.energy.gov

Grant: Smart Grid Investment Program
Amount: \$4.5 billion
Type: Regional demonstration initiative and matching grants to states
Office: Electricity Delivery and Energy Reliability
Agency: U.S. Department of Energy
Purposes: 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.
Website: www.oe.energy.gov
www.oe.energy.gov/smartgrid.htm

Grant: **Fossil Energy Research and Development Program**
Amount: \$3.39 billion
Type: Competitive grants and contracts
Office: Office of Fossil Energy
Agency: U.S. Department of Energy
Description: 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.
Website: www.fossil.energy.gov/programs/powersystems/index.html

Grant: **Physics Research Science Program**
Amount: \$1.6 billion
Type: Competitive grants to universities, companies, and national laboratories
Office: Office of Science
Agency: U.S. Department of Energy
Description: Grants will primarily be awarded for research in high-energy physics, nuclear physics, and fusion energy sciences
Website: www.science.doe.gov
<http://www.science.doe.gov/grants/grants.html>

Grant: **Advanced Research Projects Agency (ARPA-E)**
Amount: \$400 million
Type: 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.
Agency: U.S. Department of Energy
Purposes: To support high-risk, high-payoff research to accelerate the innovation cycle for both traditional and alternative energy sources and energy
Website: www.energy.gov

Loan: **Innovative Technology Loan**
Amount: \$6 billion
Type: Loan guarantees to eligible applicants include any firm, corporation, company, partnership, association, society, trust, joint venture, joint stock company, or governmental non-federal entity that meets specific guidelines.
Agency: Department of Energy
Purposes: Loan guarantees for renewable technologies and transmission technologies.
Website: <http://www.lgprogram.energy.gov/index.html>

Grant: **Nuclear Waste Environmental Cleanup**
Amount: \$5.127 billion
Type: Awards based on priorities established by Department of Energy
Agency: Department of Energy

Purpose: Accelerate nuclear waste cleanup at sites contaminated as a result of the nation's past nuclear activities.

Website: U.S. Department of Energy, Texas information:
<http://www.em.doe.gov/StatePages/TX.aspx?PAGEID=MAIN>

Loan: Transmission Loan Guarantees

Amount: \$4 billion

Type: Guarantee loans that support early commercial use of advanced technologies.

Agency: Department of Energy

Purposes: Loans for renewable energy power generation and transmission projects.

Website: www.eere.energy.gov
<http://www.lgprogram.energy.gov/>

Grant: Research into Low-Emission Coal Plants

Amount: \$800 million

Type: Competitive grants

Agency: Department of Energy

Website: <http://www.netl.doe.gov>

Grant: Industrial carbon capture and energy efficiency improvement projects

Amount: \$1.52 million

Type: Competitive grants

Agency: Department of Energy

Website: www.netl.doe.gov

Grant: Grants for identifying sites to store carbon dioxide emissions

Amount: \$50 million

Type: Competitive grants

Agency: Department of Energy

Website: <http://www.netl.doe.gov>

Grant: Training of electric grid workers

Amount: \$100 million

Type: Grants to states; partners could include non-profits, labor associations, state and local veterans' groups, and state and local governments.

Agency: Department of Energy

Website: www.oe.energy.gov
<http://www.oe.energy.gov/smartgrid.htm>

Bond: Clean Renewable Energy Bonds

Amount: \$1.6 billion

Type: Tax-credit bonds for state/local/tribal governments, public power providers, and electric cooperatives.

Agency: Internal Revenue Service

Purposes: Create interest-free financing for certain renewable energy projects.

Website: http://apps1.eere.energy.gov/news/news_detail.cfm/news_id=12249
<http://www.irs.gov/taxemptbond/index.html>

Bond: Qualified Energy Conservation Bonds

Amount: \$2.4 billion
Type: Tax-credit bonds issued for capital expenditures
Agency: Internal Revenue Service
Description: Very broad parameters for energy conservation projects including capital expenditure in public buildings, green community programs, renewable energy production, various R&D applications, mass commuting facilities, energy-related demonstration projects, and public energy efficiency education campaigns.
Website: http://apps1.eere.energy.gov/news/news_detail.cfm/news_id=12249
<http://www.irs.gov/taxexemptbond/index.html>

Grant: Aquaculture Assistance
Amount: \$50 million
Agency: Texas Dept. of Agriculture
Description: This program will be especially useful for areas experiencing drought conditions or issues from the hurricanes. Aquaculture producers that during 2008 produced an aquaculture species in which feed costs were a large percentage of input costs and also experienced a substantial price increase of feed costs. The program has a two-tiered competitive application process in which the Texas Dept. of Agriculture will apply to USDA for funds, after which local producers will apply to TDA for grants.
Type: Competitive Grants
Website: www.texasagriculture.gov/agr/program_render/0,1987,1848_10822_0_0.00.htm?channelid=10822

Rebate: Energy Efficient Appliance Rebate Program and ENERGY STAR
Amount: \$20.4 million
Agency: State Energy Conservation Office
Description: Rebates for energy efficient appliances, while also supporting the Dept. of Energy's efforts under the ENERGY STAR Program. Disbursement method not specified.
Type: Rebate
Website: www.energy.gov/recovery/funding.htm

Grant: Energy Research
Amount: \$2.5 billion
Agency: U.S. Dept. of Energy
Description: Applied research, development, demonstration and deployment. Research into biomass, geothermal, and information and communication technology projects for increased renewable energy capacity and improved efficiency in high-tech applications.
Type: Competitive Grants
Website: www.energy.gov/recovery/funding.htm

Grant: Energy Science Laboratory & Research Facilities
Amount: \$1.6 billion
Agency: U.S. Dept. of Energy
Description: Investments in building and renovating laboratories and research facilities, research grants that will sustain American industry and provide

new energy and climate solutions. Construction projects will allow ongoing research into high energy and nuclear physics, basic chemical and materials science, nanotechnology, biological and environmental science, advanced computing, and other cutting-edge fields.

Type:

Competitive Grants

Website:

www.energy.gov/recovery/science_technology.htm

Grant:

Non-Defense Environmental Cleanup

Amount:

\$483 million

Agency:

U.S. Dept. of Energy

Description:

Funding will go to private local entities for the remediation and clean up of environmental problems. This is primarily for nuclear waste, spent fuel and materials.

Type:

Competitive Grants

Website:

www.em.doe.gov/emrecovery/EMRecovery.aspx