



Office of the Assistant to the Speaker Congressman Chris Van Hollen

Energy Programs

State Energy Efficiency Programs

Amount: \$3.1 billion was included for the State Energy Program.
Type: Grants. 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: State Energy Office

Weatherization Assistance Program

Amount: \$5 billion was included for the Weatherization Assistance Program. 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: Grants. States receive funding through a formula
Description: Provides energy-efficiency measures in the homes of qualifying homeowners free of charge
Purpose: To help low-income families reduce their energy bills by making their homes more energy efficient
Contact: State Energy Office

Energy Efficiency and Conservation Block Grant (EECBG)

Amount: \$3.2 billion was included for EECBG.
Type: 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



Office of the Assistant to the Speaker Congressman Chris Van Hollen

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.

Web Site: http://apps1.eere.energy.gov/wip/block_grants.cfm

Contact: State Energy Office

Energy Efficiency and Renewable Energy (EERE)

Amount: \$16.8 billion was included for EERE

Type: competitive grants to private sector, state and local governments, national labs, and universities

Agency: U.S. Department of Energy

Programs: Ten energy programs, including the Biomass Program; Building Technologies Program; Federal Energy Management Program; Geothermal Technologies Program; Hydrogen, Fuel Cells and Infrastructure Program; Industrial Technologies Program; Solar Energy Technologies Program; Vehicle Technologies; Wind and Hydropower Technologies Program; and Weatherization and Intergovernmental Program

Web Site: www.eere.energy.gov/

Contact: State Energy Office

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

Web Site: www.eere.energy.gov/biomass

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

Web Site: www.eere.energy.gov/geothermal



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Advanced Battery Manufacturing

Amount: \$2 billion was included for Advanced Battery Manufacturing grants 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

Web Site: www.eere.energy.gov

Alternative Fueled Vehicle Pilot Grant Program

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

Type: Competitive grant 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.

Activities: 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 also eligible.

Web Site: www.eere.energy.gov/cleancities

Transportation Electrification

Amount: \$400 million for Transportation Electrification grant projects.

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



Office of the Assistant to the Speaker Congressman Chris Van Hollen

projects that reduce emissions, including shipside electrification of vehicles, truck stop electrification, airport ground support equipment and cargo handling equipment

Web Site: www.eere.energy.gov

Contact: State Energy Office

Smart Grid Investment Program

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

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.

Web Site: www.oe.energy.gov

www.oe.energy.gov/smartgrid.htm

Contact: State Energy Office

Fossil Energy Research and Development Program

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

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.

Web Site: www.fossil.energy.gov

Physics Research Science Program

Amount: \$1.6 billion was included for the science program.

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,



Office of the Assistant to the Speaker Congressman Chris Van Hollen

- nuclear physics, and fusion energy sciences
- Web Site: http://apps1.eere.energy.gov/news/news_detail.cfm/news_id=12249
<http://www.science.doe.gov/grants/grants.html>
- Advanced Research Projects Agency (ARPA-E)**
- Amount: \$400 million included for the Advanced Research Projects Agency (ARPA-E).
- Type: Grants. 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
- Web Site: www.energy.gov
- Innovative Technology Loan**
- Amount: \$6 billion
- Type: Loan guarantees to legible 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
- Web Site: <http://www.lgprogram.energy.gov/index.html>
- Nuclear Waste Environmental Cleanup**
- Amount: \$5.127 billion
- Type: Grant 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
- Web Site: Check for sites in your state/district--
<http://www.em.doe.gov/pages/siteslocations.aspx?PAGEID=MAIN>
- Transmission Loan Guarantees**
- Amount: \$4 billion
- Type: guarantee loans that support early commercial use of advanced



Office of the Assistant to the Speaker Congressman Chris Van Hollen

Agency: technologies
Department of Energy
Purposes: loans for renewable energy power generation and transmission projects
Web Site: www.eere.energy.gov
<http://www.lgprogram.energy.gov/>

Research into Low-Emission Coal Plants

Amount: \$800 million
Type: Competitive grants
Agency: Department of Energy
Web Site: <http://www.netl.doe.gov>

Industrial carbon capture and energy efficiency improvement projects

Amount: \$1.52 million
Type: competitive grants
Agency: Department of Energy
Web Site: www.netl.doe.gov

Grants for identifying sites to store carbon dioxide emissions

Amount: \$50 million
Type: competitive grants
Agency: Department of Energy
Web Site: <http://www.netl.doe.gov>

Training of electric grid workers

Amount: \$100 million
Type: grants to states; partners could include nonprofits, labor associations, state and local veterans' groups, and state and local governments
Agency: Department of Energy
Web Site: www.oe.energy.gov
<http://www.oe.energy.gov/smartgrid.htm>

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



Office of the Assistant to the Speaker Congressman Chris Van Hollen

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

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

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

Fossil Energy Research and Development Program

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

Web Site: www.fossil.energy.gov

Physics Research Science Program

Amount: \$1.6 billion was included for the science program.
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

Web Site: www.science.doe.gov
<http://www.science.doe.gov/grants/grants.html>



Office of the Assistant to the Speaker Congressman Chris Van Hollen

Advanced Research Projects Agency (ARPA-E)
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Type: Grant 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
Description: To support high-risk, high-payoff research to accelerate the innovation cycle for both traditional and alternative energy sources and energy
Web Site: www.energy.gov

Nuclear Waste Environmental Cleanup
Amount: \$5.127 billion
Type: Grant awards based on priorities established by Dept. of Energy
Agency: Department of Energy
Description: accelerate nuclear waste cleanup at sites contaminated as a result of the nation's past nuclear activities
Web Site: Check for sites in your state/district:
<http://www.em.doe.gov/pages/siteslocations.aspx?PAGEID=MAIN>