



From The Office Of Frank Pallone, Jr.

**Roadmap to the American Recovery And
Reinvestment Act - Energy Provisions**

New Jersey Office:
504 Broadway
Long Branch, N.J. 07740
(732) 571-1140
(888) 423-1140

Department of Energy (15 Programs)

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2. Geothermal from Energy Efficiency and Renewable Energy
3. Energy Efficiency and Conservation Block Grants
4. Advanced Battery Manufacturing Grants
5. Alternative Fueled Vehicles Pilot
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Important Websites:

- www.doe.gov
- <http://www.energy.gov/recovery/index.htm>
- <http://www1.eere.energy.gov/biomass/>
- <http://www1.eere.energy.gov/geothermal/>
- www.grants.gov

NOTE:

The funding levels listed in this document are estimates based on the most recent information received to date.

Department of Energy

Program: Biomass from Energy Efficiency and Renewable Energy Program

Funding Agency: Department of Energy

Federal Funding: \$800 million

- **Description:** The Department of Energy will disburse this funding through competitive grants and discretionary spending for biomass research and development.
- **How to Apply:** Please check <http://www1.eere.energy.gov/biomass/> for additional information as the Department of Energy implements this program. Federal grants can be found at www.grants.gov.

Program: Geothermal from Energy Efficiency and Renewable Energy Program

Funding Agency: Department of Energy

Federal Recovery Funding: \$400 million (Competitive grants)

- **Description:** The Department of Energy will disburse this funding through competitive grants and discretionary spending for geothermal technologies research and development.
- **How to Apply:** Please check <http://www1.eere.energy.gov/geothermal/> for additional information as the Department of Energy implements this program. Federal grants can be found at www.grants.gov.

Program: Energy Efficiency & Conservation Block Grant (EECBG)

Funding Agency: Department of Energy

Federal Funding: \$400 million

- **Description:** The Department of Energy will disburse this funding through competitive grants to local governments that are not eligible entities for grants through the formula. This program will assist eligible entities in implementing energy efficiency and conservation strategies to reduce fossil fuel emissions, to reduce total energy use, and to improve energy efficiency in the transportation, building and other appropriate sectors
- **How to Apply:** Please check <http://www.energy.gov/recovery/index.htm> for additional information as the Department of Energy implements this program. Federal grants can be found at www.grants.gov.

Program: Advanced Battery Manufacturing grants

Funding Agency: Department of Energy

Federal Funding: \$2 billion

- **Description:** Domestic manufacturing facilities are eligible for this funding. The Department of Energy will disburse this funding through competitive grants to support the manufacturing of advanced vehicle batteries and components.

- **How to Apply:** Please check www.doe.gov for additional information as the Department of Energy implements this program. Federal grants can be found at www.grants.gov.

Program: Alternative Fueled Vehicles Pilot Grant Program

Funding Agency: Department of Energy

Federal Funding: \$300 million

- **Description:** The Department of Energy will administer these grants on a competitive basis through its Clean Cities Program, to state and local governments, metropolitan transportation authorities, air pollution control districts, and appropriate private entities to be used to purchase and demonstrate alternatively fueled vehicles that utilize fuel cell, electric, or hybrid drive system technologies.
- **How to Apply:** Please visit www.energy.gov and www.grants.gov for the announcement following the program's implementation.

Program: Transportation Electrification

Funding Agency: Department of Energy

Federal Funding: \$400 million

- **Description:** This funding is for a transportation electrical system construction program, authorized by the 2007 Energy Independence and Security Act, at transportation facilities, including seaports and truck stops.
- **How to Apply:** The Department of Energy will administer these grants on a competitive basis. Please visit www.energy.gov and www.grants.gov for the announcement following the program's implementation.

Program: Energy Efficient Appliance Rebate program and Energy Star program

Funding Agency: Department of Energy

Federal Funding: \$300 million

- **Description:** This funding will provide rebates for residential consumers for the purchase of residential Energy Star products to replace used appliances with more efficient models.
- **How to Apply:** The Department of Energy will administer these rebates through the Energy Star program. Please visit www.energystar.gov for more information as the program is implemented.

Program: Electricity Delivery and Energy Reliability - Smart Grid Investment

Funding Agency: Department of Energy

Federal Funding: \$4.5 billion

- **Description:** The existing transmission system in the United States requires modernization in light of increasing demand. This funding will provide for research and development, pilot projects, and federal matching funds for the Smart Grid Investment Program to meet the goal of developing a modern electric grid, enhancing security and reliability of energy infrastructure, and facilitating recovery from disruptions to the energy supply. A smart grid is an approach to operating the nation's electricity transmission and distribution system

using advanced digital technology to save energy and cost, and to allow demand response, use of storage technologies (including plug-in hybrid batteries), integration of dispersed renewable and distributed generators, enhanced reliability and quicker repair of outages, and improved power quality.

- **How to Apply:** There will be a regional demonstration initiative administered through the Department of Energy. There will also be 50% matching grants to states provided by the Department. More information will be available at www.energy.gov and www.grants.gov.

Program: Fossil Energy Research and Development

Funding Agency: Department of Energy

Federal Funding: \$3.4 billion

- **Description:** This funding provides funding for research, development, and demonstration of carbon sequestration, also known as carbon capture projects.
- **How to Apply:** Funds will be awarded competitively in the form of grants and contracts. Please check www.energy.gov and www.grants.gov for more information as it is announced.

Program: Non-Defense Environmental Cleanup

Funding Agency: Department of Energy

Federal Funding: \$483 million

- **Description:** This funding will create jobs in environmental cleanup and remediation services; address legal requirements with states to perform mandated cleanup activities; and accelerate the completion of capital projects, shortening out-year mortgage costs. Sites related to past nuclear activities are excluded.
- **How to Apply:** Funds will be awarded discretionally as well as competitively in the form of grants. Please check www.energy.gov and www.grants.gov for more information as it is announced.

Program: Science

Funding Agency: Department of Energy

Federal Funding: \$1.6 billion

- **Description:** The Office of Science at the Department of Energy is the single largest supporter of basic research in the physical sciences in the United States, providing more than 40 percent of total funding for this vital area of national importance. It oversees – and is the principal federal funding agency of – the Nation’s research programs in high-energy physics, nuclear physics, and fusion energy sciences. Independent scientific research provides the foundation for innovation and future technologies. But U.S. federal funding for research and development has declined steadily over the last decade. This funding will support improvements to DOE laboratories and scientific facilities to provide the foundation for research and development efforts.
- **How to Apply:** Funds will be awarded by the Department of Energy. Please check www.energy.gov for more information.

Program: Uranium Enrichment Decontamination and Decommissioning Fund

Funding Agency: Department of Energy

Federal Funding: \$390 million

- **Description:** This Fund's primary mission is to provide decontamination and decommissioning and cleanup of the nation's three gaseous diffusion plants, namely Tennessee Technology Park in Tennessee, the Paducah GDP in Kentucky, and the Portsmouth GDP near Piketon, Ohio.
- **How to Apply:** Funds will be awarded discretionally by the Department of Energy. Please check www.energy.gov for more information.

Program: Advanced Research Projects

Agency: Energy

Funding Agency: Department of Energy

Federal Funding: \$400 million

- **Description:** Energy to support high-risk, high-payoff research to accelerate the innovation cycle for both traditional and alternative energy sources and energy efficiency as authorized by the America COMPETES Act. The Department of Energy estimates that this amount of funding will support 50,000 jobs through research and construction of laboratory facilities.
- **How to Apply:** Funds will be awarded by the Department of Energy. Please check www.energy.gov for more information.

Program: Innovative Technology Loan Guarantee Program

Funding Agency: Department of Energy

Federal Funding: \$6 billion

- **Description:** This new loan program would provide loan guarantees for renewable technologies and transmission technologies. The \$6 billion is expected to support more than \$60 billion in loans for these projects. \$10 million from this \$6 billion will support the administrative expenses for the Advanced Technology Vehicles Manufacturing Loan program.
- **How to Apply:** After implementing this new loan program, more information will be available at www.energy.gov.

Program: Defense Environmental Cleanup

Funding Agency: Department of Energy

Federal Funding: \$5.127 billion

- **Description:** This funding will accelerate nuclear waste cleanup at sites contaminated as a result of the Nation's past nuclear activities. This funding will create jobs in environmental cleanup and remediation services; address legal requirements with states to perform mandated cleanup activities; and accelerate the completion of capital projects, shortening out-year mortgage costs.

- **How to Apply:** Funds will be awarded by the Department of Energy. Please check www.energy.gov for more information.

Program Funding Directly to Cities

Program: Energy Efficiency & Conservation Block Grant (EECBG)

Funding Agency: Department of Energy

Federal Funding: \$2.8 billion (Formula Based Distribution)

- **Description:** This program, which was authorized by the 2007 Energy Independence and Security Act, provides grants to state, local, and tribal governments to fund public facility renovation projects that would install more energy efficient building technologies and materials, and energy efficient technology demonstration projects. \$2.8 billion will be distributed through a formula developed by the Department of Energy. The remaining \$400 million shall be awarded on a competitive basis to entities not qualifying through the formula.
- **How to Apply:** Please check www.doe.gov for additional information. Federal grants can be found at www.grants.gov.

Department of Housing and Urban Development

Program: Public Assisted Housing Stability and Energy Efficiency

Funding Agency: Department of Housing and Urban Development

Federal Funding: \$2.25 billion

- **Description:** This funding provides funding for energy-efficient renovations and retrofits of Section 202, Section 811, and Section 8 units.
- **How to Apply:** Public housing authorities are eligible to apply through a competitive bid process. A local housing agency can attach up to 20% of its voucher assistance to specific housing units if the owner agrees to either rehabilitate or construct the units, or the owner agrees to set-aside a portion of the units in an existing development. For further details and to apply visit www.grants.gov or www.hud.gov.

Green and Health Care Worker

Program: “Green” and Health Care Worker Training

Funding Agency: Department of Labor

Federal Funding: \$750 million

- **Description:** These funds will be available through competitive grants for worker training and placement in high growth and emerging industry sectors. Grants will be awarded for projects that prepare workers for careers in energy efficiency and renewable energy. Grants will also be available to prepare workers for careers in the health care sector. These grants are also available to train workers for wireless and broadband deployment.

- **How to Apply:** The Department of Labor will provide additional information as to how to apply as they administer this program. Please check www.grants.gov and www.dol.gov for more information.

Funding Through the State of New Jersey

Program: Weatherization Assistance Program

Funding Agency:

Federal Funding: \$5 billion

New Jersey Funding: \$121,853,269

- **Description:** Assists low-income families reduce their energy costs by sending funds to the states to weatherize low-income homes. Services include attic, wall and basement insulation, blower-door-guided air leakage reduction; heating system repairs or replacement; and health and safety testing and inspections. All measures are provided based on an on-site energy audit and on cost-effective guidelines. The program has been expanded to include households at or below 200% of the federal poverty guidelines. The maximum allowed per household has been increased from \$2,500 to \$6,500.
- **How to Apply:** Funds will be added to the State's Weatherization Program. Individuals can apply for the WAP funds through the New Jersey Department of Community Affairs. Please contact NJ DCA at <http://www.state.nj.us/dca/> or call 609-292-6420

Program: State Energy Program

Funding Agency: Department of Energy

Federal Funding: \$3.1 billion

Ohio Funding: \$74,832,000

- **Description:** The State Energy Program (SEP) provides grants to states and directs funding to state energy offices. States use grants to address their energy priorities and program funding to adopt emerging renewable energy and energy efficiency technologies. This funding will provide resources for activities in state energy offices, including key initiatives such as residential, commercial and governmental building energy efficiency retrofits.
- **How to Apply:** Funds will be distributed at the State's discretion. Please contact the New Jersey Board of Public Utilities at <http://www.bpu.state.nj.us/> or 1-800-624-0241

National Science Foundation

Program: Robert Noyce Scholarship Program

Funding Agency: National Science Foundation

Federal Funding: \$60 million U.S. (Conference Report)

- **Description:** The program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 mathematics and science teachers. The program provides funds to institutions of higher education to support scholarships, stipends, and academic programs for undergraduate STEM majors and post-baccalaureate students holding STEM degrees who commit to teaching in high-need K-12 school districts

- **How to Apply:** Grants will be distributed by the federal agency. Visit
- http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5733 or www.grants.gov

Program: Math and Science Partnerships

Funding Agency: National Science Foundation

Federal Funding: \$25 million U.S. (Conference Report)

- **Description:** The Math and Science Partnership (MSP) program is a major research and development effort that supports innovative partnerships to improve K-12 student achievement in mathematics and science. MSP projects are expected to raise the achievement levels of all students and significantly reduce achievement gaps in the mathematics and science performance of diverse student populations.
- **How to Apply:** Institutions of higher education, local K-12 institutions and their local partners may apply for these competitive merit based grants. Grants will be distributed by the federal agency. Visit:
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5756&org=NSF or www.grants.gov.