

One Hundred Eleventh Congress
of the
United States of America

AT THE FIRST SESSION

*Begun and held at the City of Washington on Tuesday,
the sixth day of January, two thousand and nine*

An Act

Making omnibus appropriations for the fiscal year ending September 30, 2009,
and for other purposes.

*Be it enacted by the Senate and House of Representatives of
the United States of America in Congress assembled,*

SECTION 1. SHORT TITLE.

This Act may be cited as the “Omnibus Appropriations Act,
2009”.

SEC. 2. TABLE OF CONTENTS.

The table of contents of this Act is as follows:

- Sec. 1. Short title.
- Sec. 2. Table of contents.
- Sec. 3. References.
- Sec. 4. Explanatory statement.
- Sec. 5. Statement of appropriations.

DIVISION A—AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG
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- Title I—Agricultural Programs
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- Title I—Department of Defense—Civil: Department of the Army
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- Title I—Department of the Treasury
- Title II—Executive Office of the President and Funds Appropriated to the President
- Title III—The Judiciary
- Title IV—District of Columbia
- Title V—Independent Agencies

(A) in paragraph (2)(B), by inserting “, as determined by the nonprofit conservation organization” after “Lake”; and

(B) in paragraph (4), by striking “retirement of water rights” and all that follows through the semicolon at the end and inserting “retirement of water rights;”; and

(2) in subsection (b), by striking “June 30, 2010” and inserting “June 30, 2012”.

SEC. 208. Notwithstanding any other provision of law, of amounts made available under section 2507 of the Farm Security and Rural Investment Act of 2002 (43 U.S.C. 2211 note; Public Law 107–171), the Secretary of the Interior acting through the Commissioner of Reclamation, shall allocate—

(1) \$300,000 to the Desert Research Institute for LIDAR acquisition data in the Walker River Basin, to supplement water rights research and data funded under section 208(a)(1) of the Energy and Water Development Appropriations Act, 2006 (Public Law 109–103; 119 Stat. 2268); and

(2) \$300,000 to the Director of the United States Fish and Wildlife Service to conduct a multiyear assessment of and monitoring of the ability of west central Nevada lakes to support migratory loons, and identification of wintering areas and annual range of loons using Walker Lake during migration.

TITLE III

DEPARTMENT OF ENERGY

ENERGY PROGRAMS

ENERGY EFFICIENCY AND RENEWABLE ENERGY

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for energy efficiency and renewable energy activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion, and the purchase of not to exceed two passenger vehicles for replacement, \$1,928,540,000, to remain available until expended: *Provided*, That, of the amount appropriated in this paragraph, \$228,803,380 shall be used for projects specified in the table that appears under the heading “Congressionally Directed Energy Efficiency and Renewable Energy Projects” in the text and table under this heading in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

ELECTRICITY DELIVERY AND ENERGY RELIABILITY

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for electricity delivery and energy reliability activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion, \$137,000,000, to remain available until expended: *Provided*, That,

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of the amount appropriated in this paragraph, \$19,648,475 shall be used for projects specified in the table that appears under the heading “Congressionally Directed Electricity Delivery and Energy Reliability Projects” in the text and table under this heading in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

NUCLEAR ENERGY

(INCLUDING TRANSFER OF FUNDS)

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for nuclear energy activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion, and the purchase of not to exceed 29 passenger motor vehicles, including three new buses and 26 replacement vehicles, including one ambulance, \$792,000,000, to remain available until expended: *Provided*, That, of the amount appropriated in this paragraph, \$2,854,500 shall be used for projects specified in the table that appears under the heading “Congressionally Directed Nuclear Energy Projects” in the text and table under this heading in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

CLEAN COAL TECHNOLOGY

(INCLUDING TRANSFER OF FUNDS)

Of the funds made available under this heading for obligation in prior years, \$149,000,000 of uncommitted balances are transferred to Fossil Energy Research and Development to be used until expended: *Provided*, That funds made available in previous appropriations Acts shall be made available for any ongoing project regardless of the separate request for proposal under which the project was selected.

FOSSIL ENERGY RESEARCH AND DEVELOPMENT

(INCLUDING TRANSFER OF FUNDS)

For necessary expenses in carrying out fossil energy research and development activities, under the authority of the Department of Energy Organization Act (Public Law 95–91), including the acquisition of interest, including defeasible and equitable interests in any real property or any facility or for plant or facility acquisition or expansion, and for conducting inquiries, technological investigations and research concerning the extraction, processing, use, and disposal of mineral substances without objectionable social and environmental costs (30 U.S.C. 3, 1602, and 1603), \$876,320,000, to remain available until expended, of which \$149,000,000 shall be derived by transfer from “Clean Coal Technology”: *Provided*, That of the amounts provided, \$288,174,000 is available for the Clean Coal Power Initiative Round III solicitation, pursuant to title IV of the Public Law 109–58: *Provided further*, That funds appropriated for prior solicitations under the Clean Coal Technology Program, Power Plant Improvement Initiative, Clean Coal Power

Initiative, and FutureGen, but not required by the Department to meet its obligations on projects selected under such solicitations, may be utilized for the Clean Coal Power Initiative Round III solicitation under this Act in accordance with the requirements of this Act rather than the Acts under which the funds were appropriated: *Provided further*, That no Clean Coal Power Initiative project may be selected for which full funding is not available to provide for the total project: *Provided further*, That if a Clean Coal Power Initiative project selected after enactment of this legislation for negotiation under this or any other Act in any fiscal year, is not awarded within 2 years from the date the application was selected, negotiations shall cease and the Federal funds committed to the application shall be retained by the Department for future coal-related research, development and demonstration projects, except that the time limit may be extended at the Secretary's discretion for matters outside the control of the applicant, or if the Secretary determines that extension of the time limit is in the public interest: *Provided further*, That the Secretary may not delegate this responsibility for applications greater than \$10,000,000: *Provided further*, That financial assistance for costs in excess of those estimated as of the date of award of original Clean Coal Power Initiative financial assistance may not be provided in excess of the proportion of costs borne by the Government in the original agreement and shall be limited to 25 percent of the original financial assistance: *Provided further*, That funds shall be expended in accordance with the provisions governing the use of funds contained under the heading "Clean Coal Technology" in 42 U.S.C. 5903d as well as those contained under the heading "Clean Coal Technology" in prior appropriations: *Provided further*, That any technology selected under these programs shall be considered a Clean Coal Technology, and any project selected under these programs shall be considered a Clean Coal Technology Project, for the purposes of 42 U.S.C. 7651n, and chapters 51, 52, and 60 of title 40 of the Code of Federal Regulations: *Provided further*, That funds available for the Clean Coal Power Initiative Round III Funding Opportunity Announcement may be used to support any technology that meets the requirements of the Round III Announcement relating to carbon capture and storage or other beneficial uses of CO₂, without regard to the 70 and 30 percent funding allocations specified in section 402(b)(1)(A) and 402(b)(2)(A) of Public Law 109-58: *Provided further*, That no part of the sum herein made available shall be used for the field testing of nuclear explosives in the recovery of oil and gas: *Provided further*, That, of the amount appropriated in this paragraph, \$43,864,150 shall be used for projects specified in the table that appears under the heading "Congressionally Directed Fossil Energy Projects" in the text and table under this heading in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

NAVAL PETROLEUM AND OIL SHALE RESERVES

For expenses necessary to carry out naval petroleum and oil shale reserve activities, including the hire of passenger motor vehicles, \$19,099,000, to remain available until expended: *Provided*, That, notwithstanding any other provision of law, unobligated funds

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remaining from prior years shall be available for all naval petroleum and oil shale reserve activities.

STRATEGIC PETROLEUM RESERVE

For necessary expenses for Strategic Petroleum Reserve facility development and operations and program management activities pursuant to the Energy Policy and Conservation Act of 1975, as amended (42 U.S.C. 6201 et seq.), \$205,000,000, to remain available until expended, of which \$31,507,000 shall be provided to initiate new site expansion activities, beyond land acquisition, consistent with the budget request: *Provided*, That none of the funds provided for new site expansion activities may be obligated or expended for authorized activities until the Secretary has submitted a report to the Congress on the effects of expansion of the Reserve on the domestic petroleum market, which is required to be submitted within 45 days of enactment of this Act.

NORTHEAST HOME HEATING OIL RESERVE

For necessary expenses for Northeast Home Heating Oil Reserve storage, operation, and management activities pursuant to the Energy Policy and Conservation Act, \$9,800,000, to remain available until expended.

ENERGY INFORMATION ADMINISTRATION

For necessary expenses in carrying out the activities of the Energy Information Administration, \$110,595,000, to remain available until expended.

NON-DEFENSE ENVIRONMENTAL CLEANUP

For Department of Energy expenses, including the purchase, construction, and acquisition of plant and capital equipment and other expenses necessary for non-defense environmental cleanup activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion, \$261,819,000, to remain available until expended: *Provided*, That the appropriation includes funds for environmental remediation activities associated with the Energy Technology and Engineering Center (ETEC) at the Santa Susana Field Laboratory (SSFL), subject to the following: (1) the Department shall use a portion of this funding to enter into an interagency agreement with the Environmental Protection Agency (EPA) regarding a comprehensive radioactive site characterization of Area IV of the SSFL and (2) the Department shall provide the amount required by EPA for the radioactive site characterization in fiscal year 2009 from within the available funds: *Provided further*, That of the amounts provided, \$5,000,000 is available for necessary expenses for the purpose of carrying out remedial actions under this title at real property in the vicinity of the Tuba City processing site designated in section 102(a)(1), of the Uranium Mill Tailings Radiation Control Act of 1978 (Public Law 95-604, as amended; 42 U.S.C. 7901, et seq.), notwithstanding section 112 of that Act, at a dump site immediately adjacent to the north-northwest section of the Tuba City processing site, and

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on the north side of Highway 160: *Provided further*, That, of the amount appropriated in this paragraph, \$4,757,500 shall be used for projects specified in the table that appears under the heading “Congressionally Directed Non-Defense Environmental Cleanup Projects” in the text and table under this heading in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING
FUND

For necessary expenses in carrying out uranium enrichment facility decontamination and decommissioning, remedial actions, and other activities of title II of the Atomic Energy Act of 1954, and title X, subtitle A, of the Energy Policy Act of 1992, \$535,503,000, to be derived from the Uranium Enrichment Decontamination and Decommissioning Fund, to remain available until expended, of which \$10,000,000 shall be available in accordance with title X, subtitle A, of the Energy Policy Act of 1992.

SCIENCE

For Department of Energy expenses including the purchase, construction and acquisition of plant and capital equipment, and other expenses necessary for science activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or facility or for plant or facility acquisition, construction, or expansion, and purchase of not to exceed 49 passenger motor vehicles for replacement only, including one law enforcement vehicle, one ambulance, and three buses, \$4,772,636,000, to remain available until expended: *Provided*, That, of the amount appropriated in this paragraph, \$93,686,593 shall be used for projects specified in the table that appears under the heading “Congressionally Directed Science Projects” in the text and table under this heading in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

NUCLEAR WASTE DISPOSAL

For nuclear waste disposal activities to carry out the purposes of the Nuclear Waste Policy Act of 1982, Public Law 97-425, as amended (the “NWPA”), including the acquisition of real property or facility construction or expansion, \$145,390,000, to remain available until expended, and to be derived from the Nuclear Waste Fund: *Provided*, That of the funds made available in this Act for Nuclear Waste Disposal, \$5,000,000 shall be provided to the Office of the Attorney General of the State of Nevada solely for expenditures, other than salaries and expenses of State employees, to conduct scientific oversight responsibilities and participate in licensing activities pursuant to the Act: *Provided further*, That notwithstanding the lack of a written agreement with the State of Nevada under section 117(c) of the NWPA, \$1,000,000 shall be provided to Nye County, Nevada, for on-site oversight activities under section 117(d) of that Act: *Provided further*, That \$9,000,000 shall be provided to affected units of local government, as defined in the NWPA, to conduct appropriate activities and participate in licensing activities: *Provided further*, That of the \$9,000,000

provided 7.5 percent of the funds provided shall be made available to affected units of local government in California with the balance made available to affected units of local government in Nevada for distribution as determined by the Nevada units of local government: *Provided further*, That this funding shall be provided to affected units of local government, as defined in the NWPA: *Provided further*, That \$500,000 shall be provided to the Timbisha-Shoshone Tribe solely for expenditures, other than salaries and expenses of tribal employees, to conduct appropriate activities and participate in licensing activities under section 118(b) of the NWPA: *Provided further*, That notwithstanding the provisions of chapters 65 and 75 of title 31, United States Code, the Department shall have no monitoring, auditing or other oversight rights or responsibilities over amounts provided to affected units of local government: *Provided further*, That the funds for the State of Nevada shall be made available solely to the Office of the Attorney General by direct payment and to units of local government by direct payment: *Provided further*, That within 90 days of the completion of each Federal fiscal year, the Office of the Attorney General of the State of Nevada and each of the affected units of local government shall provide certification to the Department of Energy that all funds expended from such payments have been expended for activities authorized by the NWPA and this Act: *Provided further*, That failure to provide such certification shall cause such entity to be prohibited from any further funding provided for similar activities: *Provided further*, That none of the funds herein appropriated may be: (1) used directly or indirectly to influence legislative action, except for normal and recognized executive-legislative communications, on any matter pending before Congress or a State legislature or for lobbying activity as provided in 18 U.S.C. 1913; (2) used for litigation expenses; or (3) used to support multi-State efforts or other coalition building activities inconsistent with the restrictions contained in this Act: *Provided further*, That all proceeds and recoveries realized by the Secretary in carrying out activities authorized by the NWPA, including but not limited to, any proceeds from the sale of assets, shall be available without further appropriation and shall remain available until expended: *Provided further*, That no funds provided in this Act or any previous Act may be used to pursue repayment or collection of funds provided in any fiscal year to affected units of local government for oversight activities that had been previously approved by the Department of Energy, or to withhold payment of any such funds: *Provided further*, That, of the amount appropriated in this paragraph, \$1,855,425 shall be used for projects specified in the table that appears under the heading “Congressionally Directed Nuclear Waste Disposal Projects” in the text and table under this heading in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

TITLE 17 INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM

Subject to section 502 of the Congressional Budget Act of 1974, commitments to guarantee loans under title XVII of the Energy Policy Act of 2005, shall not exceed a total principal amount of \$47,000,000,000 for eligible projects, to remain available until committed, and of which \$18,500,000,000 shall be for nuclear power facilities: *Provided*, That these amounts are in addition to the

[House Appropriations Committee Print]

Omnibus Appropriations Act, 2009
(H.R. 1105; Public Law 111-8)

**DIVISION C—ENERGY AND WATER DEVELOP-
MENT AND RELATED AGENCIES APPRO-
PRIATIONS ACT, 2009**

The bill includes a provision prohibiting the use of funds for any water acquisition or lease in the Middle Rio Grande or Carlsbad Projects in New Mexico unless the acquisition is in compliance with existing state law and administered under state priority allocation.

The bill includes a provision regarding Drought Emergency Assistance.

The bill includes a provision regarding Water 2025.

The bill includes language regarding the Rio Grande Collaborative water operations team.

The bill includes language regarding the expenditure of funds from the Desert Terminus Lakes program for the Truckee River Settlement Act.

The bill includes language regarding the expenditure of funds from the Desert Terminus Lakes program.

TITLE III—DEPARTMENT OF ENERGY

The summary tables at the end of this title set forth the bill with respect to the individual appropriations, programs, and activities of the Department of Energy. Additional items in the bill are discussed below.

The bill provides \$26,967,001,000 for the Department of Energy in fiscal year 2009 to fund programs in its five primary mission areas: science, energy, environment, nuclear non-proliferation and national security.

PROJECT MANAGEMENT

The Department of Energy is directed to manage all projects in excess of \$100,000,000 total cost in full compliance with DOE Management Order 413.3A.

REPROGRAMMING REQUIREMENTS

The Department of Energy is directed to operate in a manner fully consistent with the following reprogramming guidelines. A reprogramming request must be submitted to the Committees on Appropriations for consideration before any implementation of a reorganization proposal which includes moving previous appropriations between appropriation accounts. The Department is directed to inform the Committees promptly and fully when a change in program execution and funding is required during the fiscal year. To assist the Department in this effort, the following guidance is provided for programs and activities funded in the Energy and Water Development and Related Agencies Appropriations Act. The Department is directed to follow this guidance for all programs and activities unless specific reprogramming guidance is provided for a program or activity.

Definition.—A reprogramming includes the reallocation of funds from one activity to another within an appropriation, or any significant departure from a program, project, activity, or organization described in the agency's budget justification as presented to and approved by Congress. For construction projects, a reprogramming constitutes the reallocation of funds from one construction project identified in the justifications to another project or a significant change in the scope of an approved project.

Any reallocation of new or prior year budget authority or prior year deobligations must be submitted to the Committees in writing and may not be implemented prior to approval by the Committees on Appropriations.

ENERGY EFFICIENCY AND RENEWABLE ENERGY

The bill provides \$1,928,540,000 for Energy Efficiency and Renewable Energy (EERE) programs.

Hydrogen Technology.—The bill provides \$168,960,000 for hydrogen technology, to include \$3,000,000 for fuel processor research and development, and \$5,000,000 for manufacturing research and development activities.

Biomass and Biorefinery Systems R&D.—The bill includes \$217,000,000 for integrated research and development on biomass and biorefinery systems. The Department should pursue development of biofuels from non-food sources, especially those with the largest potential to sequester industrial carbon-dioxide, such as algae, that are also compatible with gasoline and diesel fuels.

Solar Energy.—The bill provides \$175,000,000 for solar energy systems, to include \$30,000,000 for Concentrating Solar Power.

Wind Energy.—The bill includes \$55,000,000 for wind energy systems.

Geothermal Technology.—The bill includes \$44,000,000 for research, development and deployment of geothermal and enhanced geothermal systems.

Water Power Energy R&D.—The bill provides \$40,000,000 for basic and applied technology research and development for tidal, and ocean/marine renewable technologies including demonstration programs, and for conventional hydropower research, development and deployment. The Department should utilize its marine sciences laboratory to expand marine and hydrokinetic renewable energy programs.

Vehicle Technologies.—The bill provides \$273,238,000 for vehicle technologies, to include energy storage research and development activities as authorized under section 641(g) of the Energy Independence and Security Act of 2007, and no less than \$25,000,000 for the Clean Cities program. The Department is directed to fund computational predictive engineering of lightweight thermoplastic polymer composites, and expand and accelerate testing of intermediate fuel blends.

Building Technologies.—The bill provides \$140,000,000 for building technologies, to include \$33,000,000 for the Commercial Buildings Initiative, and no less than \$25,000,000 for solid state lighting research and development. Consistent with section 912(b) of the Energy Policy Act of 2005, the Department shall implement an Energy Star Program for solid state lighting and develop Energy Star specifications for solid state lighting in connection with the nation's efforts to promote the commercialization of these products.

Industrial Technologies.—The bill includes \$90,000,000 for the industrial technologies program, to include \$7,500,000 for steel, glass and metal casting in the industries (specific) program, and no less than \$25,000,000 for distributed energy generation, combined-heat and power activities, and the advanced reciprocating engines system program.

Federal Energy Management Programs.—The bill provides \$22,000,000 for the Federal Energy Management Programs.

Facilities and Infrastructure.—The bill provides \$76,000,000 for the renewable energy Facilities and Infrastructure account, to include \$10,000,000 for operations and maintenance of the National Renewable Energy Laboratory (NREL) in Golden, Colorado; \$12,000,000 to execute an existing memorandum of agreement with Sandia National Laboratories for supercomputing equipment and capacity to support NREL's mission needs; \$13,000,000 for South Table Mountain infrastructure and \$41,000,000 to complete construction of the NREL Energy Systems Integration Facility.

Program Direction.—The bill provides \$127,620,000 for Program Direction.

Program Support.—The bill provides \$18,156,620 for Program Support.

Weatherization Assistance, Training, and Technical Assistance.—The bill provides \$200,000,000 for weatherization assistance program grants, training and technical assistance.

State Energy Program.—The bill provides \$50,000,000 for the State Energy Program, to include \$25,000,000 for competitive energy projects.

International Renewable Energy Program.—The bill provides \$5,000,000 for the International Renewable Energy Program, to include \$2,000,000 for the U.S.-Israel cooperative agreement, and \$2,000,000 for the Western Hemisphere Energy Cooperation Initiative.

Tribal Energy Activities.—The bill provides \$6,000,000 for tribal energy activities.

Renewable Energy Production Incentive.—The bill provides \$5,000,000 for the Renewable Energy Production Incentive.

Use of prior-year balances.—The Department is directed to use \$13,238,000 of prior year balances.

Congressionally directed projects.—The bill provides \$228,803,380 for congressionally directed projects, for the purposes of research, development, and demonstration of energy efficiency or renewable energy technologies or programs. The agency should remind recipients that statutory cost sharing requirements may apply to these projects.

**CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND
RENEWABLE ENERGY PROJECTS**

PROJECT	
ADAPTIVE LIQUID CRYSTAL WINDOWS (OH)	\$951,500
ADVANCED ENGINEERED RAPIDLY DEPLOYABLE MANUFACTURING METHODS AND MATERIALS FOR ENVIRONMENTALLY-BENIGN AND ENERGY EFFICIENT HOUSING (VA)	\$475,750
ADVANCED POWER BATTERIES FOR RENEWABLE ENERGY APPLICATIONS (PA)	\$351,104
ALGAL-BASE RENEWABLE ENERGY FOR NEVADA (NV)	\$713,625
ALTERNATIVE CROPS AND BIOFUEL PRODUCTION (OK)	\$285,450
ALTERNATIVE ENERGIES WORKFORCE APPLICATIONS EDUCATION AND TRAINING PROGRAM (OH)	\$951,500
ALTERNATIVE ENERGY ENGINEERING TECHNOLOGY (VA)	\$95,150
ALTERNATIVE ENERGY FOR HIGHER EDUCATION (NE)	\$1,141,800
ALTERNATIVE ENERGY SCHOOL OF THE FUTURE, CLARK COUNTY (NV)	\$1,189,375
ALTERNATIVE FUEL CELL MEMBRANES FOR NATIONAL ENERGY INDEPENDENCE (MS)	\$951,500
ANAEROBIC DIGESTER AND COMBINED HEAT POWER PROJECT (MD)	\$570,900
ANCHORAGE REGIONAL LANDFILL (AK)	\$713,625
ANN ARBOR WIND GENERATOR FOR WATER TREATMENT PLANT (MI)	\$951,500
ANTI-IDLING LITHIUM ION BATTERY PROGRAM, CALIFORNIA (CA)	\$951,500
ATLANTA INTERNATIONAL TERMINAL LEED CERTIFICATION (GA)	\$475,750
AUBURN UNIVERSITY BIOENERGY AND BIOPRODUCTS LABORATORY (AL)	\$951,500
BEXAR COUNTY PHOTOVOLTAIC PANELS (TX)	\$475,750
BIO-DIESEL CELLULOSIC ETHANOL RESEARCH FACILITY (FL)	\$951,500
BIOECONOMY INITIATIVE AT MBI INTERNATIONAL (MI)	\$475,750
BIOENERGY DEMONSTRATION PROJECT: VALUE-ADDED PRODUCTS FROM RENEWABLE FUELS (NE)	\$1,903,000
BIOFUELS DEVELOPMENT AT TEXAS A&M (TX)	\$951,500
BIOFUELS RESEARCH AND DEVELOPMENT INFRASTRUCTURE (WA)	\$475,750
BIOGAS CENTER OF EXCELLENCE (MI)	\$951,500
BIOMASS ENERGY GENERATION PROJECT (IA)	\$285,450
BIOMASS ENERGY RESOURCES CENTER (VT)	\$1,427,250
BIOMASS FUEL CELL SYSTEMS (CO)	\$1,665,125
BIOMASS GASIFICATION RESEARCH AND DEVELOPMENT PROJECT (WA)	\$951,500
BIOREFINERY DEMONSTRATION PROJECT, UGA, ATHENS (GA)	\$1,189,375
BIOREFINERY FOR ETHANOL, CHEMICALS, ANIMAL FEED AND BIOMATERIALS FROM SUGARCANE BAGASSE (LA)	\$951,500
BIOREFINING FOR ENERGY SECURITY PROJECT, OU-LANCASTER (OH)	\$951,500
BOISE CITY GEOTHERMAL SYSTEM EXPANSION (ID)	\$1,427,250
CARBON NEUTRAL GREEN CAMPUS (NV)	\$380,600
CAYUGA COUNTY REGIONAL DIGESTER FACILITY (NY)	\$475,750
CENTER FOR CLEAN FUELS AND POWER GENERATION AT THE UNIV OF HOUSTON (TX)	\$475,750
CENTER FOR EFFICIENCY IN SUSTAINABLE ENERGY SYSTEMS (OH)	\$1,903,000

**CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND
RENEWABLE ENERGY PROJECTS**

PROJECT	
CENTER FOR INTEGRATED BIOMASS RESEARCH (NC)	\$1,208,405
CENTER FOR INTERNATIONAL INTELLIGENT TRANSPORTATION RESEARCH (TX)	\$523,325
CENTER FOR NANOSCALE ENERGY (ND)	\$4,757,500
CENTER FOR RENEWABLE ENERGY, SCIENCE AND TECHNOLOGY (TX)	\$1,403,463
CENTER OF EXCELLENCE IN OCEAN ENERGY RESEARCH AND DEVELOPMENT, FLORIDA ATLANTIC UNIVERSITY (FL)	\$1,189,375
CENTRAL VERMONT RECOVERED BIOMASS FACILITY (VT)	\$951,500
CHARITON VALLEY DENSIFICATION—PHASE II (IA)	\$951,500
CHRISTMAS VALLEY RENEWABLE ENERGY DEVELOPMENT (OR)	\$380,600
CITY OF GRAND RAPIDS BUILDING GREEN ROOF DEMONSTRATION (MI)	\$142,725
CITY OF LAS VEGAS PLUG-IN HYBRID VEHICLE DEMONSTRATION PROGRAM (NV)	\$142,725
CITY OF LOUISVILLE ENERGY CONSERVATION INITIATIVE (KY)	\$142,725
CITY OF MARKHAM COMMUNITY CENTER (IL)	\$237,875
CITY OF MIAMI GREEN INITIATIVE (FL)	\$951,500
CITY OF TALLAHASSEE INNOVATIVE ENERGY INITIATIVES (FL)	\$570,900
CLEAN AND EFFICIENT DIESEL ENGINE (PA)	\$1,189,375
CLEAN POWER ENERGY RESEARCH CONSORTIUM (LA)	\$1,903,000
CLEAN TECHNOLOGY COMMERCIALIZATION INITIATIVE (PA)	\$951,500
CLEAN TECHNOLOGY EVALUATION PROGRAM (MA)	\$475,750
CLEARY UNIVERSITY GEOTHERMAL ENERGY RETROFIT (MI)	\$475,750
CLEMSON UNIVERSITY CELLULOSIC BIOFUEL PILOT PLANT IN CHARLESTON (SC)	\$951,500
CLOSED LOOP WOODY BIOMASS PROJECT (NY)	\$475,750
COASTAL WIND OHIO (OH)	\$951,500
COLUMBIA GORGE COMMUNITY COLLEGE WIND ENERGY WORKFORCE TRAINING NACELLE (OR)	\$237,875
CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH (FL, GA, HI, IA, KY, LA, MI, MN, NC, ND, NE, NY, OH, SD, WA)	\$3,806,000
CONTROLLED ENVIRONMENTAL AGRICULTURE AND ENERGY PROJECT (NY)	\$475,750
COOLING HEATING AND POWER AND BIO-FUEL APPLICATION CENTER (MS)	\$1,903,000
DEVELOPING NEW ALTERNATIVE ENERGY IN VIRGINIA: BIO-DIESEL FROM ALGAE (VA)	\$713,625
DEVELOPMENT OF BIOFUELS (NV)	\$1,024,167
DEVELOPMENT OF HIGH YIELD FEEDSTOCK AND BIOMASS CONVERSION TECHNOLOGY FOR RENEWABLE ENERGY PRODUCTION AND ECONOMIC DEVELOPMENT (HI)	\$1,427,250
DOWNTOWN DETROIT ENERGY EFFICIENCY STREET LIGHTING (MI)	\$951,500
DUECO PLUG-IN HYBRID ENGINES (WI)	\$1,903,000
ECOLOGICALLY SUSTAINABLE CAMPUS - NEW ENGLAND COLLEGE (NH)	\$299,723
ENERGY AND ENVIRONMENTAL RESEARCH CENTER FOR BIOMASS UTILIZATION (ND)	\$2,000,053
ENERGY EFFICIENCY/SUSTAINABLE ENERGY PROJECT (NC)	\$951,500

**CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND
RENEWABLE ENERGY PROJECTS**

PROJECT	
ENERGY EFFICIENT BUILDINGS, SALT LAKE COUNTY, UTAH (UT)	\$618,475
ENERGY EFFICIENT ELECTRONICS COOLING PROJECT (IN)	\$951,500
ENERGY EFFICIENT LIGHTING PROJECT (KY)	\$190,300
ENERGY PRODUCTION THROUGH ANAEROBIC DIGESTION (NJ)	\$475,750
ENVIRONMENTAL SYSTEM CENTER AT SYRACUSE UNIVERSITY (NY)	\$713,625
ETHANOL FROM AGRICULTURE FOR ARKANSAS AND AMERICA (AR)	\$951,500
ETHANOL PILOT PLANT (MA, CT)	\$2,664,200
FLEXIBLE THIN-FILM SILICON SOLAR CELLS (OH)	\$1,189,375
FLORIDA RENEWABLE ENERGY PROGRAM (FL)	\$713,625
FLUID FLOW OPTIMIZATION OF AEROGEL BLANKET MANUFACTURING PROCESS (MA)	\$1,427,250
FORESTRY BIOFUEL STATEWIDE COLLABORATION CENTER (MI)	\$1,427,250
FROSTBURG STATE UNIVERSITY SUSTAINABLE ENERGY RESEARCH FACILITY EQUIPMENT AND STAFFING (MD)	\$856,350
FUEL CELL OPTIMIZATION AND SCALE-UP (PA)	\$351,104
GENETIC IMPROVEMENTS OF SWITCHGRASS (RI)	\$1,427,250
GEOHERMAL ENERGY PROJECT AT ROBERTS WESLEYAN COLLEGE (NY)	\$475,750
GEOHERMAL POWER GENERATION PLANT (OR) ...	\$1,522,400
GREAT BASIN CENTER FOR GEOHERMAL ENERGY (NV)	\$682,778
GREAT LAKES INSTITUTE FOR ENERGY INNOVATION (OH)	\$951,500
GREAT PLAINS WIND POWER TEST FACILITY (TX)	\$1,903,000
GREEN BUILDING TECHNOLOGIES - LAKEVIEW MUSEUM (IL)	\$237,875
GREEN BUILDING TECHNOLOGIES - BRADLEY UNIVERSITY (IL)	\$475,750
GREEN COLLAR AND RENEWABLE ENERGY TRAINING PROGRAM, AB TECHNICAL COMMUNITY COLLEGE (NC)	\$666,050
GREEN ENERGY JOB TRAINING INITIATIVE (CA)	\$237,875
GREEN POWER INITIATIVE (IA)	\$951,500
GREEN ROOF PROJECT - GREENE COUNTY (MO)	\$475,750
GREEN VEHICLE DEPOT (NY)	\$285,450
HARLEM UNITED SUPPORTIVE HOUSING FUND WIND POWER PROJECT (NY)	\$47,575
HAWAII-NEW MEXICO SUSTAINABLE ENERGY SECURITY PARTNERSHIP (HI)	\$3,116,202
HIDALGO COUNTY WASTE TO ENERGY PROJECT (TX)	\$118,938
HIGH CARBON FLY ASH USE FOR THE US CEMENT INDUSTRY (UT)	\$951,500
HIGH PERFORMANCE, LOW COST HYDROGEN GENERATION FROM RENEWABLE ENERGY (CT)	\$951,500
HOLLOW GLASS MICROSPHERES (NV)	\$523,325
HULL MUNICIPAL LIGHT PLANT OFFSHORE WIND PROJECT (MA)	\$951,500
HYDROELECTRIC POWER GENERATION, QUINCY (IL)	\$475,750
HYDROGEN OPTICAL FIBER SENSORS (CA)	\$951,500
HYDROGEN STORAGE SYSTEM FOR VEHICULAR PROPULSION (DE)	\$1,427,250

**CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND
RENEWABLE ENERGY PROJECTS**

PROJECT	
HYDROPOWER FROM WASTEWATER ADVANCED ENERGY PROJECT (NY)	\$475,750
HYPERCAST R&D FUNDING FOR VEHICLE ENERGY EFFICIENCY THROUGH CAST METAL AUTO-COMBUSTION SYNTHESIS (MA)	\$1,427,250
ILLINOIS STATE UNIVERSITY - BIOMASS RESEARCH PROJECT (IL)	\$475,750
INTEGRATED POWER FOR MICROSYSTEMS AT ROCHESTER INSTITUTE OF TECHNOLOGY (NY)	\$951,500
INTEGRATED SUSTAINABILITY INITIATIVE (NV)	\$951,500
INTELLIGENT CONTROLS FOR NET-ZERO ENERGY BUILDINGS (NE)	\$475,750
INTELLIGENT FACADES FOR HIGH PERFORMANCE "GREEN BUILDINGS" (NY)	\$713,625
IOWA CENTRAL COMMUNITY COLLEGE RENEWABLE FUELS LAB (IA)	\$475,750
IOWA LAKES COMMUNITY COLLEGE SUSTAINABLE ENERGY EDU. CENTER (IA)	\$475,750
ISLES, INC., SOLAR AND GREEN RETROFITS (NJ)	\$237,875
JUNIATA HYBRID LOCOMOTIVE (PA)	\$713,625
KANSAS BIOFUELS CERTIFICATION LABORATORY (KS)	\$989,560
KANSAS STATE UNIVERSITY CENTER FOR SUSTAINABLE ENERGY (KS)	\$713,625
KANSAS WIND ENERGY CONSORTIUM (KS)	\$713,625
LA SAMILLA SOLAR TROUGH STORAGE PROJECT (NM)	\$1,903,000
LAKE LAND COLLEGE ENERGY EFFICIENT BUILDINGS (IL)	\$1,332,100
LANDFILL GAS UTILIZATION PLANT (NY)	\$1,903,000
LEHIGH VALLEY HOSPITAL PHOTOVOLTAIC PANEL INSTALLATION (PA)	\$951,500
LIGHTWEIGHT COMPOSITES FOR HEAVY-DUTY VEHICLES AND HYDROGEN STORAGE (WV)	\$475,750
LOW COST THIN FILMED SILICON BASED PHOTOVOLTAICS (NY)	\$475,750
MACOMB COMMUNITY COLLEGE TRANSPORTATION AND ENERGY TECHNOLOGY (MI)	\$475,750
MAINE TIDAL POWER INITIATIVE (ME)	\$951,500
MANUFACTURING INDUSTRIAL DEVELOPMENT FOR THE HYDROGEN ECONOMY (MI)	\$761,200
MARET CENTER (MO)	\$951,500
MARINE RENEWABLE ENERGY CENTER (MA)	\$951,500
MARQUETTE UNIVERSITY ANAEROBIC BIOTECHNOLOGY (WI)	\$475,750
MARTIN COUNTY HYDROGEN FUEL CELL PROJECT (NC)	\$1,427,250
MIAMI SCIENCE MUSEUM RENEWABLE ENERGY RESEARCH PROJECT (FL)	\$713,625
MICHIGAN ALTERNATIVE AND RENEWABLE ENERGY CENTER OFFSHORE WIND DEMONSTRATION PROJECT (MI)	\$1,427,250
MIDDLESEX COMMUNITY COLLEGE'S GEOTHERMAL PROJECT (MA)	\$237,875
MIDSOUTH/SOUTHEAST BIOENERGY CONSORTIUM (AR, GA)	\$1,903,000
MINNESOTA CENTER FOR RENEWABLE ENERGY (MN)	\$713,625
MODULAR ENERGY STORAGE SYSTEM FOR HYDROGEN FUEL CELL (MI)	\$1,189,375
MULTIFUNCTIONAL SOLAR ENERGY SYSTEMS RESEARCH (UT)	\$1,332,100
MUNSTER--WASTE TO ENERGY COGENERATION PROJECT (IN)	\$951,500

**CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND
RENEWABLE ENERGY PROJECTS**

PROJECT	
NANOSTRUCTURED MATERIALS FOR ENERGY (NC)	\$951,500
NANOSTRUCTURED SOLAR CELLS FOR INCREASED EFFICIENCY AND LOWER COST (AR)	\$1,189,375
NASI AND NA-SG POWDER HYDROGEN FUEL CELLS (NY, NJ)	\$951,500
NATIONAL AGRICULTURE-BASED INDUSTRIAL LUBRICANTS (NABL), BIOMASS (IA)	\$570,900
NATIONAL CENTER FOR MANUFACTURING SCIENCES LIGHTWEIGHT VEHICLE MATERIALS (MI)	\$1,903,000
NATIONAL WIND ENERGY CENTER (TX)	\$2,378,750
NEVADA INSTITUTE FOR RENEWABLE ENERGY COMMERCIALIZATION (NV)	\$475,750
NEVADA VIRTUAL RENEWABLE ENERGY INTEGRATION AND DEVELOPMENT CENTER (NV)	\$2,560,418
NEW SCHOOL "GREEN" BUILDING (NY)	\$1,903,000
NIAGARA RIVER HYDROPOWER (NY)	\$475,750
NORTH CAROLINA CENTER FOR AUTOMOTIVE RESEARCH (NC)	\$475,750
NOTRE DAME/NISOURCE GEOTHERMAL IONIC LIQUIDS RESEARCH COLLABORATIVE (IN)	\$951,500
OHIO ADVANCED ENERGY MANUFACTURING CENTER (OH)	\$951,500
OMEGA OPTICAL SOLAR POWER GENERATION DEVELOPMENT (VT)	\$1,427,250
ONE KILOWATT BIOGAS FUELED SOLID OXIDE FUEL CELL STACK (NY)	\$951,500
OREGON SOLAR HIGHWAY (OR)	\$951,500
OU CENTER FOR BIOFUELS REFINING ENGINEERING (OK)	\$713,625
PECOS VALLEY BIOMASS ENERGY PROJECT (NM)	\$2,378,750
PHOTOVOLTAIC SYSTEM AT TOWN LANDFILL IN ISLIP (NY)	\$475,750
PINELLAS COUNTY REGIONAL URBAN SUSTAINABILITY DEMONSTRATION AND EDUCATION FACILITY (FL)	\$475,750
PITTSBURGH GREEN INNOVATORS SYNERGY CENTER (PA)	\$570,900
PLACER COUNTY BIOMASS UTILIZATION PILOT PROJECT (CA)	\$1,427,250
PLUG-IN HYBRID AND ETHANOL RESEARCH PLATFORMS (NC)	\$808,775
POPE/DOUGLAS THIRD COMBUSTER EXPANSION (MN)	\$951,500
PURDUE HYDROGEN TECHNOLOGIES PROGRAM (IN)	\$951,500
RENEWABLE ENERGY CLEAN AIR PROJECT (RECAP) (MN)	\$951,500
RENEWABLE ENERGY CENTER (NV)	\$475,750
RENEWABLE ENERGY DEVELOPMENT VENTURE (HI)	\$3,799,205
RENEWABLE ENERGY FEASIBILITY STUDY (NJ)	\$475,750
RENEWABLE/ALTERNATIVE ENERGY CENTER (FL)	\$951,500
RENEWABLE/SUSTAINABLE BIOMASS PROJECT (AK)	\$475,750
RHODE ISLAND OCEAN SPECIAL AREA MANAGEMENT PLAN (RI)	\$666,050
SAN FRANCISCO BIOFUELS PROGRAM (CA)	\$951,500
SANDIA NATIONAL LAB CONCENTRATING SOLAR (NM)	\$2,854,500
SAPPHIRE ALGAE TO FUEL DEMONSTRATION PROJECT, PORTALES (NM)	\$951,500

**CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND
RENEWABLE ENERGY PROJECTS**

PROJECT	
SENIOR HOUSING PROJECT GREEN BUILDING, CERRITOS (CA)	\$380,600
SNOHOMISH COUNTY PUD NO. 1 GEOTHERMAL ENERGY STUDY (WA)	\$475,750
SOLAR DEMONSTRATION AND RESEARCH FACILITY (FL)	\$237,875
SOLAR ELECTRIC POWER SYSTEM (NY)	\$66,605
SOLAR ENERGY WINDOWS AND SMART IR SWITCHABLE BUILDING TECHNOLOGIES (PA)	\$1,189,375
SOLAR LIGHTING DEMONSTRATION PROJECT (NV)	\$761,200
SOLAR PANELS AND ENVIRONMENTAL EDUCATION (NJ)	\$951,500
SOLAR PANELS FOR THE HAVERHILL CITIZENS ENERGY EFFICIENCY (MA)	\$237,875
SOLAR POWER GENERATION (NJ)	\$285,450
SOLAR THERMAL DEMONSTRATION PROJECT (NV)	\$1,189,375
SOUTHERN REGIONAL CENTER FOR LIGHTWEIGHT INNOVATIVE DESIGN (MS)	\$3,806,000
SOUTHWEST ALASKA REGIONAL GEOTHERMAL ENERGY PROJECT (AK)	\$2,854,500
SPRINGFIELD HOSPITAL GREEN BUILDING (OH)	\$3,806,000
ST. CLAIR COMMUNITY COLLEGE (MI)	\$190,300
ST. PETERSBURG SOLAR PILOT PROJECT (FL)	\$1,427,250
STAMFORD WASTE TO ENERGY PROJECT (CT)	\$1,903,000
STORAGE TANKS AND DISPENSERS FOR E85 AND BIO-DIESEL (IL)	\$375,843
STRATEGIC BIOMASS INITIATIVE (MS)	\$475,750
SUN GRANT INITIATIVE (SD)	\$3,806,000
SUSTAINABLE ENERGY FOR HOMES AND BUSINESSES (VT)	\$713,625
SUSTAINABLE ENERGY FOR VERMONT SCHOOLS COMPETITION (VT)	\$856,350
SUSTAINABLE ENERGY RESEARCH CENTER (MS)	\$10,466,500
SUSTAINABLE HYDROGEN FUELING STATION, CALIFORNIA STATE UNIVERSITY LOS ANGELES (CA)	\$475,750
SUSTAINABLE LAS VEGAS (NV)	\$951,500
THE INSTITUTE FOR ENERGY, ENVIRONMENT AND SUSTAINABILITY (KS)	\$713,625
THE OHIO STATE UNIVERSITY - OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (OH)	\$380,600
TIDAL ENERGY STUDY (WA)	\$475,750
TOWN OF MEXICO GEOTHERMAL PROJECT (NY)	\$142,725
TRANSPO BUS OPERATIONS AND MAINTENANCE CENTER, SOUTH BEND (IN)	\$951,500
TRANSPORTABLE EMISSIONS TESTING LAB (WV)	\$951,500
TRENTON FUEL WORKS CELLULOSIC DIESEL BIOREFINERY (NJ)	\$475,750
TSEC PHOTOVOLTAIC INNOVATION (NY)	\$1,903,000
UNALASKA GEOTHERMAL ENERGY (AK)	\$951,500
UNIVERSITY OF KENTUCKY BIO-FUELS RESEARCH LABORATORY (KY)	\$428,175
UNIVERSITY OF NORTH ALABAMA GREEN CAMPUS INITIATIVE (AL)	\$951,500

**CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND
RENEWABLE ENERGY PROJECTS**

PROJECT	
UNIVERSITY OF SOUTHERN INDIANA ADVANCED MANUFACTURING AND ENGINEERING EQUIPMENT PROJECT (IN)	\$951,500
URBAN WOOD-BASED BIO-ENERGY SYSTEM IN SEATTLE (WA)	\$475,750
USD CATALYSIS GROUP FOR ALTERNATIVE ENERGY (DE)	\$1,046,650
VERMONT BIOFUELS INITIATIVE (VT)	\$1,427,250
WATER-TO-WATER HEAT PUMP CHILLERS, PHOENIX CHILDREN (AZ)	\$1,951,717
WAVE ENERGY RESEARCH AND DEMONSTRATION CENTER (OR)	\$2,331,175
WESTERN MASSACHUSETTS COLLABORATIVE WIND PROJECT (MA)	\$1,189,375
WIND TURBINE ELECTRIC HIGH-SPEED SHAFT BRAKE PROJECT (OH)	\$475,750
WIND TURBINE MODEL AND PILOT PROJECT FOR ALTERNATIVE ENERGY (DE)	\$1,427,250
WINOOSKI COMMUNITY GREENING PROJECT (VT)	\$114,180
WISDOM WAY SOLAR VILLAGE (MA)	\$570,900
WOODY BIOMASS PROJECT AT SUNY-ESF (NY)	\$713,625
REDIRECTION OF FISCAL YEAR 2008 FUNDING FOR BIODIESEL INJECTION BLENDING FACILITIES (PA)	-\$702,207

ELECTRICITY DELIVERY AND ENERGY RELIABILITY

The bill provides \$137,000,000 for the Office of Electricity Delivery and Energy Reliability, to include \$84,721,000 for research and development, \$11,451,000 for operations and analysis, and \$21,179,525 for program direction.

Prior year balances.—Prior year balances for Project Engineering and Design of the Energy Reliability and Efficiency Laboratory originally appropriated in the former Energy Supply appropriation should be merged into the Electricity Delivery and Energy Reliability appropriation and placed in the Research and Development, Visualization and Controls account to support research and development activities at the Oak Ridge National Laboratory. Amounts are available because the project was cancelled to support higher priorities.

Congressionally directed projects.—The bill provides \$19,648,475 for congressionally directed projects, for the purposes of research, development, and demonstration of energy technologies or programs. The agency should remind recipients that statutory cost sharing requirements may apply to these projects.

**CONGRESSIONALLY DIRECTED ELECTRICITY DELIVERY AND
ENERGY RELIABILITY PROJECTS**

PROJECT	
ALTERNATE FUEL FOR CEMENT PROCESSING (AL)	\$1,427,250
BISMARCK STATE COLLEGE CENTER OF EXCELLENCE LABORATORIES (ND)	\$2,188,450
DEVELOPMENT OF TOROIDAL CORE TRANSFORMERS (NY)	\$951,500
ENERGY DEVELOPMENT AND RELIABILITY (ND)	\$285,450
ENERGY TECHNOLOGIES RESEARCH AND EDUCATION INITIATIVE (NM)	\$951,500
FEASIBILITY STUDY OF CONNECTING THE ST. THOMAS-ST. JOHN AND ST. CROIX ELECTRICITY GRIDS (VI)	\$475,750
HIGH VOLTAGE TRANSMISSION LINES - PHASE II (TN)	\$475,750
INTEGRATED DISTRIBUTION MANAGEMENT SYSTEM (AL)	\$2,854,500
IOWA STORED ENERGY PLANT (IA)	\$1,427,250
LONG ISLAND SMART METERING PILOT PROJECT (NY)	\$713,625
MICROGRIDS FOR COLONIAS (TX)	\$475,750
NATIONAL CENTER FOR RELIABLE ELECTRIC POWER TRANSMISSION (NCREPT) (AR)	\$475,750
NAVAJO ELECTRIFICATION DEMONSTRATION PROGRAM (NM)	\$1,903,000
NORTH DAKOTA ENERGY WORKFORCE DEVELOPMENT (ND)	\$1,807,850
POWER GRID RELIABILITY AND SECURITY (WA)	\$951,500
RED RIVER VALLEY RESEARCH CORRIDOR TECHNOLOGY DEVELOPMENT (ND)	\$380,600
SAN MATEO COUNTY SOLAR GENESIS PROJECT (CA)	\$1,427,250
SMARTGRID INTEGRATION LAB (CO)	\$475,750

NUCLEAR ENERGY

(INCLUDING TRANSFER OF FUNDS)

The bill provides \$792,000,000 for nuclear energy programs. The total amount available for Nuclear Energy programs and facilities is \$870,811,000, including \$78,811,000 of costs allocated to the 050 budget function (i.e., defense activities) for Idaho Site-wide and Security activities. The bill provides the Office of Nuclear Energy (NE), the Nuclear Regulatory Commission (NRC) and the Defense Nuclear Nonproliferation program (DNN) funding to execute a new Integrated University Program. Each office has been provided \$5,000,000 to be used by each organization to support a Nuclear Science and Engineering Grant program. The program will be coordinated and jointly implemented by all three agencies. It will support multiyear research projects that do not align with programmatic missions, but are critical to maintaining the discipline of nuclear science and engineering. Additional funding has been provided to the NRC and the DNN to support university research and development in areas relevant to the organization's mission. Authorization language in section 313 in Title III, General Provisions of the bill is provided for this program.

Integrated University Program.—The bill provides \$5,000,000 for grants and fellowships that support nuclear science and engineering education at the Department of Energy.

Nuclear Power 2010.—The bill provides \$177,500,000 for Nuclear Power 2010.

Generation IV Nuclear Energy Systems Initiative.—The bill provides \$180,000,000 for Generation IV nuclear energy systems. Of this amount \$169,000,000 is for the Next Generation Nuclear Plant project, \$2,000,000 to continue work with Russia on gas reactors, \$7,000,000 for deep burn (actinide management) characteristics of gas-cooled reactors, and \$2,000,000 is for research and development for the Gen IV reactor program.

Nuclear Hydrogen Initiative.—The bill provides \$7,500,000.

Advanced Fuel Cycle Initiative.—The bill provides \$145,000,000 for the Advanced Fuel Cycle Initiative (AFCI), for research and development activities on proliferation resistant fuel cycles and waste reduction strategies.

Space and defense infrastructure.—The bill provides \$35,000,000 for space and defense infrastructure. DOE is directed to work in coordination with the Director of the Office of Science and Technology Policy in the development of a plan for restarting and sustaining U.S. domestic production of radioisotope thermoelectric generator material for the nation's space and defense needs.

Research reactor infrastructure.—The bill provides \$6,145,500 for fresh reactor fuel, disposal of spent fuel for university reactors, and improved reactor instrumentation and equipment upgrades.

Oak Ridge nuclear infrastructure.—The bill provides \$12,500,000 for Oak Ridge radiological facilities management for hot cells at the Radiochemical Engineering Development Center.

Los Alamos nuclear infrastructure.—The bill provides \$12,500,000 for Los Alamos radiological facilities.

Idaho National Laboratory (INL) operations and infrastructure.—The bill provides \$140,000,000 for INL operations and infrastructure.

Idaho site-wide safeguards and security.—The bill transfers \$78,811,000 from the Other Defense Activities account to the Nuclear Energy program.

Program direction.—The bill provides \$73,000,000 for program direction.

Use of prior-year balances.—The Department is directed to use \$5,000,000 of prior year balances, of which \$984,000 is to be taken from the fiscal year 2008 congressionally directed project “CVD Single Crystal Diamond Optical Switch.”

Congressionally directed projects.—The bill provides \$2,854,500 for congressionally directed projects. The agency should remind recipients that statutory cost sharing requirements may apply to these projects.

CONGRESSIONALLY DIRECTED NUCLEAR ENERGY PROJECTS

PROJECT

TECHNOLOGIES VENTURES CORPORATION (NM)

\$2,854,500

CLEAN COAL TECHNOLOGY

(INCLUDING TRANSFER OF FUNDS)

The bill transfers \$149,000,000 from available balances in the Clean Coal Technology account to the Fossil Energy Research and Development account in fiscal year 2009.

FOSSIL ENERGY RESEARCH AND DEVELOPMENT

(INCLUDING TRANSFER OF FUNDS)

The bill provides \$876,320,000 for Fossil Energy Research and Development programs, supporting the advancement of a range of the Department's fossil energy research and development activities. The bill transfers \$59,000,000 from prior year unobligated FutureGen balances to Round III of the Clean Coal Power Initiative (CCPI) to be used until expended. The bill includes a provision that clarifies that funds available for the CCPI Round III Funding Opportunity Announcement may be used to support any technology that meets the requirements of the Round III Funding Opportunity Announcement, without regard to the 70/30 percent funding allocations specified in Public Law 109-58. Recognizing the critical importance of developing and deploying carbon capture and storage and other beneficial uses of CO₂, this language is added to permit the Department flexibility to select the best technology options under the CCPI Round III solicitation.

Clean Coal Power Initiative.—The bill includes \$288,174,000 for the CCPI. Combined with unobligated balances in the CCPI account, and \$59,000,000 of unobligated balances from the FutureGen project, there should be over \$700,000,000 available for the Round III solicitation.

FutureGen.—The bill provides no new funds for FutureGen, and directs that \$59,000,000 of prior year unobligated balances be made available for the CCPI Round III solicitation. The bill leaves \$73,000,000 of unobligated balances in the FutureGen account should the Administration revisit prior year FutureGen agreements.

Fuels and Power Systems.—The bill includes \$404,235,850 for Fuels and Power Systems. Within available funds for the fuels program, the Office of Fossil Energy shall conduct a pre-feasibility analysis of the technical, economic, and environmental aspects of a clean coal biomass polygeneration plant equipped with carbon capture using a range of coals to produce chemicals, fuels, and power at diverse locations.

Natural gas technologies.—The bill provides \$20,000,000 for natural gas technologies, to include no less than \$15,000,000 for methane gas hydrates research and development.

Petroleum-oil technologies.—The bill provides \$5,000,000 for petroleum-oil technologies, to include \$2,000,000 for the Risk Based Data Management System.

Program direction.—The bill provides \$152,000,000 for program direction.

Other.—The bill provides funds for the following activities: \$18,000,000 for Plant and Capital Equipment; \$9,700,000 for Fossil Energy Environmental Restoration; \$656,000 for Special Recruit-

ment Programs; and \$5,000,000 for Cooperative Research and Development.

Use of prior-year balances.—The Department is directed to use \$70,310,000 of prior year balances, of which \$59,000,000 is directed to come from the FutureGen account.

Congressionally directed projects.—The bill provides \$43,864,150 for congressionally directed projects, for the purposes of research, development, and demonstration of coal and other fossil energy related technologies or programs. The Department should remind recipients that statutory cost sharing requirements may apply to these projects.

**CONGRESSIONALLY DIRECTED FOSSIL ENERGY RESEARCH AND
DEVELOPMENT PROJECTS**

PROJECT	
ARCTIC ENERGY OFFICE (AK)	\$3,806,000
CENTER FOR ZERO EMISSIONS RESEARCH AND TECHNOLOGY (MT)	\$5,709,000
CO2 CAPTURE/SEQUESTRATION RESEARCH (PA)	\$475,750
DIRECT METHANOL FUEL CELL (IN)	\$951,500
FOSSIL FUEL RESEARCH & DEVELOPMENT (ND)	\$3,806,000
FUEL CELL TECH FOR CLEAN COAL POWER PLANTS (OH)	\$1,427,250
GULF OF MEXICO HYDRATES RESEARCH CONSORTIUM (MS)	\$1,141,800
ITM REACTION-DRIVEN CERAMIC MEMBRANE SYSTEMS (PA)	\$951,500
LONG TERM ENVIRONMENTAL AND ECONOMIC IMPACTS OF THE DEVELOPMENT OF A COAL LIQUEFACTION SECTOR IN CHINA (WV)	\$475,750
METHANOL ECONOMY (CA)	\$1,903,000
MULTI-POLLUTANT REMOVAL AND ADVANCED MULTI-POLLUTANT REMOVAL AND ADVANCED CARBON CAPTURE AND STORAGE PROJECTS USING ECO TECHNOLOGY (OH)	\$951,500
MULTI-YEAR DEMONSTRATION OF CARBON SEQUESTRATION IN A DEEP SALINE RESERVOIR (CO)	\$1,427,250
NATIONAL CENTER FOR HYDROGEN TECHNOLOGY (ND)	\$2,854,500
PILOT ENERGY COST CONTROL EVALUATION (PECCE) PROJECT (WV, PA & IN)	\$2,355,914
REFINING CAPACITY STUDY (ND)	\$475,750
ROLLS ROYCE SOLID OXIDE FUEL CELL SYSTEMS DEVELOPMENT (OH)	\$1,284,525
SHALE OIL UPGRADING UTILIZING IONIC CONDUCTIVE MEMBRANES (UT)	\$2,188,450
SOLID OXIDE FUEL CELLS (PA)	\$1,903,000
THE CENTER FOR ADVANCED SEPARATION TECHNOLOGY (KY)	\$2,854,500
UNIVERSITY OF KENTUCKY COAL-DERIVED LOW ENERGY MATERIALS FOR SUSTAINABLE CONSTRUCTION PROJECT (KY)	\$951,500
UNIVERSITY OF KENTUCKY STRATEGIC LIQUID TRANSPORTATION FUELS DERIVED FROM COAL (KY)	\$1,379,675
UTAH CENTER FOR ULTRA CLEAN COAL UTILIZATION & HEAVY OIL RESEARCH (UT)	\$4,757,500
VERSAILLES BOROUGH STRAY GAS MITIGATION (PA)	\$380,600
WYOMING CO2 SEQUESTRATION TESTING PROGRAM (WY)	\$856,350
REDIRECTION OF FISCAL YEAR 2008 FUNDING FOR PILOT ENERGY COST CONTROL EVALUATION (WV, PA, & IN)	-\$1,404,414

NAVAL PETROLEUM AND OIL SHALE RESERVES

The bill provides \$19,099,000 for the operation of the Naval Petroleum and Oil Shale Reserves.

STRATEGIC PETROLEUM RESERVE

The bill provides \$205,000,000 for the Strategic Petroleum Reserve, to include \$31,507,000 for expansion activities at the Richton, Mississippi, site. The legislation includes a provision requiring the Secretary to submit a report within 45 days of enactment of this Act to the Congress on the effects of expansion of the Reserve on the domestic petroleum market prior to the obligation or expenditure of the funds for expansion activities.

NORTHEAST HOME HEATING OIL RESERVE

The bill provides \$9,800,000 for the Northeast Home Heating Oil Reserve.

ENERGY INFORMATION ADMINISTRATION

The bill provides \$110,595,000 for the Energy Information Administration (EIA). The EIA has failed to accurately predict the tremendous run up in oil and gas prices, raising serious questions regarding EIA's predictive and modeling capabilities. The EIA is directed to consult independent expert entities with economic modeling experience to review and recommend improvements to its models and methodologies and propose a strategy to increase its in-house capabilities to more accurately predict global energy price trends.

NON-DEFENSE ENVIRONMENTAL CLEANUP

The bill provides \$261,819,000 for Non-Defense Environmental Cleanup, to include \$65,500,000 for the West Valley Demonstration Project; \$81,296,000 for Gaseous Diffusion Plants, of which \$33,000,000 is for completion of the construction of line item 02-U-101, the Depleted Uranium Hexafluoride Conversion Facility at Paducah and Portsmouth; \$10,755,000 for the Fast Flux Test Reactor; and \$100,163,500 for the Small Sites program. Within Small Sites, a total of \$29,479,000 is provided for Argonne National Laboratory cleanup activities, which includes \$10,000,000 transferred from the Office of Science, and \$10,000,000 transferred from the Office of the Administrator, National Nuclear Security Administration. Bill language authorizes the cleanup of a vicinity property near Tuba City, Arizona, in the amount of \$5,000,000.

Internal reprogramming authority.—In fiscal year 2009, the Department may transfer up to \$2,000,000 between programs within the Non-Defense Environmental Cleanup accounts, to reduce health or safety risks or to gain cost savings as long as no program or project is increased or decreased by more than \$2,000,000 during the fiscal year. The account control points for reprogramming are the Fast Flux Test Reactor Facility, West Valley Demonstration Project, Gaseous Diffusion Plants, Small Sites, and construction line-items.

Report requirement.—The agency should, within 60 days of enactment of this Act, provide the Committees with a final cost and schedule estimate for the depleted uranium hexafluoride conversion facilities in Paducah, Kentucky, and Portsmouth, Ohio, to include a description on how it plans to meet that schedule, and how it plans to prevent similar problems in future contracts.

Use of prior-year balances.—The Department is directed to use \$653,000 of prior year balances.

Congressionally directed projects.—The bill provides \$4,757,500 for congressionally directed projects.

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**CONGRESSIONALLY DIRECTED NON-DEFENSE ENVIRONMENTAL
CLEANUP PROJECTS**

PROJECT

BIOINFORMATICS AND COMPUTATIONAL BIOLOGY INITIATIVE (KY)	\$951,500
SOUTHWEST EXPERIMENTAL FAST OXIDE REACTOR DECOMMISSIONING (AR)	\$1,903,000
WESTERN ENVIRONMENTAL TECHNOLOGY OFFICE (MT)	\$1,903,000

URANIUM ENRICHMENT DECONTAMINATION AND
DECOMMISSIONING FUND

The bill provides \$535,503,000 for activities funded from the Uranium Enrichment Decontamination and Decommissioning Fund, to include \$116,446,000 for Paducah, \$200,224,000 for Portsmouth, \$208,883,000 for Oak Ridge, and \$10,000,000 for the Title X uranium and thorium reimbursements program.

SCIENCE

The bill provides \$4,772,636,000 for Science.

High Energy Physics.—The bill provides \$795,726,000 for this program. Within this amount, \$27,766,000 is provided for the NuMI Off-Axis Neutrino Appearance Detector, a reduction of \$9,234,000 from the request in recognition of funding provided in Public Law 110–252, and \$3,200,000 is provided for EXO 200 neutrinoless double beta decay experiments to complete construction in 2009. The control level is at the High Energy Physics level.

Nuclear Physics.—The bill provides \$512,080,080 for this program. Within this amount, \$24,900,000 is provided for the Research Isotope Production and Applications program, and within these funds \$5,000,000 is provided for the Research Isotope Development and Production Subprogram to develop and implement a research production strategy consistent with the National Academy of Sciences study entitled “State of the Science of Nuclear Medicine.” Consistent with the cost-sharing requirements of Public Law 101–101, the Department is directed to develop a cost recovery strategy to ensure the long-term viability of the isotope production program. The Department is directed to complete a study on the feasibility of using the University of Missouri Research Reactor to supply up to half the U.S. demand for feedstock medical imaging compounds in the form of molybdenum–99 and technetium–99. The control level is at the Nuclear Physics level.

Biological and Environmental Research.—The bill provides \$601,540,000 for this program. This area of the Office of Science encompasses two distinct research efforts whose funding is provided in separate subaccounts: using biology to address energy production and environmental remediation and a combination of climate and ecosystem modeling, field research, and radiation monitoring as part of the Climate Change Research Program. The Department is directed to manage these programs as independent subaccounts and component activities of the Office of Science.

Biological Research.—The bill provides \$423,613,000 for this program. Within this amount, \$23,121,000 is for Radiochemistry and Instrumentation including \$17,500,000 for nuclear medicine medical application research. All of the \$10,000,000 provided above the request must be awarded competitively in one or more solicitations that include all sources: universities, the private sector, and government laboratories.

Climate Change Research.—The bill provides \$177,927,000 for this program. The increase provides an additional \$2,500,000 for competitively selected climate modeling research, an additional \$500,000 for Climate Change Mitigation, and \$20,000,000 for enhanced predictive modeling, improved integration of ground and

space-based climate monitoring data, and development of decision analysis tools at National Nuclear Security Administration laboratories.

Basic Energy Sciences.—The bill provides \$1,571,972,407 for this program. Within this amount, \$17,000,000 is provided for the Experimental Program to Stimulate Competitive Research (EPSCoR). Full funding is provided to support the operations of the major scientific user facilities and the five Nanoscale Science Research Centers, as well as additional instrumentation for the Spallation Neutron Source and the Linac Coherent Light Source. The control level is at the Basic Energy Sciences level.

Advanced Scientific Computing Research.—The bill provides \$368,820,000 for this program. The control level is at the Advanced Scientific Computing Research level.

Fusion Energy Sciences.—The bill provides \$402,550,000 for this program. Within this amount, \$208,690,000 is provided for Facility Operations with \$36,361,000 for the DIII-D, \$15,977,000 for the Alcator C-Mod, \$29,774,000 for NSTX, no funds for NCSX, and \$124,000,000 for ITER, and \$64,404,000 is provided for Alternative Concept Experimental Research with \$16,690,000 for Experimental Plasma Research and no funds for NCSX. The control level is at the Fusion Energy Sciences level.

Science Laboratories Infrastructure.—The bill provides \$145,380,000 for this program. Within this amount: \$24,844,000 is provided for Excess Facilities Disposal and of this amount the Department is directed to transfer \$10,000,000 from the Office of Science to the Non-Defense Environmental Cleanup account for cleanup efforts at Argonne National Lab; \$52,775,000 is provided for the Physical Sciences Facility at the Pacific Northwest National Laboratory, and the Under Secretary of Science is expected to take the lead in ensuring that contributions from all parties are coordinated and will be sufficient to complete the facility; \$11,759,000 is provided for multiprogram energy laboratories infrastructure projects and \$2,500,000 of this amount is to support improvements to the Scientific and Technical Information Facility.

Safeguards and Security.—The bill provides \$80,603,000 for this program.

Science Workforce Development.—The bill provides \$13,583,000 for this program.

Science Program Direction.—The bill provides \$186,695,000 for this program. Within this amount, \$8,916,000 is provided for the Office of Scientific and Technical Information. No funding is provided to increase the manpower of the Office of Science. The control level is at the Science Program Direction level.

Advanced Research Projects Agency—Energy.—The bill provides \$15,000,000 to establish the Advanced Research Projects Agency—Energy within the Department, as authorized by section 5012 of the America COMPETES Act (P. L. 110–69).

Use of prior year balances.—The Department is directed to use \$15,000,000 in prior year balances to off-set new funding provided for the Office of Science.

Congressionally Directed Projects.—The bill provides \$93,686,593 for congressionally directed projects.

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT	
ADVANCED ARTIFICIAL SCIENCE AND ENGINEERING RESEARCH INFRASTRUCTURE (TX)	\$380,600
ALVERNIA COLLEGE SCIENTIFIC INSTRUMENTATION INITIATIVE (PA)	\$570,900
ANTIBODIES RESEARCH (ND)	\$2,616,625
BARRY UNIVERSITY INSTITUTE FOR COLLABORATIVE SCIENCES RESEARCH (FL)	\$761,200
BIONANOTECHNOLOGY: RESEARCH AND COMMERCIALIZATION (LA)	\$1,427,250
BIOTECHNOLOGY/FORENSICS LABORATORY (UT)	\$475,750
BRONX COMMUNITY COLLEGE CENTER FOR SUSTAINABLE ENERGY (NY)	\$475,750
BROWN UNIVERSITY, BROWN ENERGY INITIATIVE (RI)	\$951,500
CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO TWIN TOWER PROJECT (CA)	\$570,900
CENTER FOR ADVANCED SCIENTIFIC COMPUTING AND MODELING (TX)	\$700,304
CENTER FOR CATALYSIS AND SURFACE SCIENCE AT NORTHWESTERN UNIVERSITY (IL)	\$951,500
CENTER FOR DIAGNOSTIC NANOSYSTEMS (WV)	\$1,903,000
CENTER FOR NANOMEDICINE AND CELLULAR DELIVERY, SCHOOL OF PHARMACY (MD)	\$713,625
CENTER OF EXCELLENCE AND HAZARDOUS MATERIALS (NM)	\$1,903,000
CHEMISTRY BUILDING RENOVATION (MI)	\$475,750
CLEMSON UNIVERSITY CYBERINSTITUTE (SC)	\$1,427,250
CLIMATE CHANGE MODELING CAPABILITY (NM)	\$4,757,500
CLINTON JUNIOR COLLEGE SCIENCE PROGRAM (SC)	\$380,600
COLLABORATIVE INITIATIVE IN BIOMEDICAL IMAGING (NC)	\$1,427,250
CONTRAST MEDIA AND WOUND CLOSURE REDUCTION STUDY (MS)	\$618,475
CURRICULUM AND INFRASTRUCTURE ENHANCEMENT IN STEM (PA)	\$475,750
DECISION SUPPORT TOOLS FOR COMPLEX ANALYSIS (DSTCA) (OH)	\$1,427,250
EASTERN KENTUCKY UNIVERSITY EQUIPMENT FOR NEW SCIENCE BUILDING (KY)	\$951,500
FACILITATING BLOOD-BRAIN BARRIER RESEARCH (WA)	\$1,427,250
FORMER WORKERS MEDICAL SURVEILLANCE PROGRAMS (IA)	\$951,500
FUNCTIONAL MRI RESEARCH (VT)	\$1,189,375
FUSION ENERGY SPHEROMAK TURBULENT PLASMA EXPERIMENT (FL)	\$951,500
GEORGE MASON UNIVERSITY -- NATIONAL CENTER FOR BIODEFENSE AND INFECTIOUS DISEASE (VA)	\$1,427,250
HOFSTRA UNIVERSITY CENTER FOR CLIMATE STUDY (NY)	\$475,750
IDAHO ACCELERATOR CENTER PRODUCTION OF MEDICAL ISOTOPES (ID)	\$951,500
IDAHO NATIONAL LABORATORY CENTER FOR ADVANCED ENERGY STUDIES (ID)	\$2,498,639
INSTITUTE FOR INTEGRATED SCIENCES AT BOSTON COLLEGE (MA)	\$2,378,750
INSTRUMENTATION AND CONSTRUCTION COSTS FOR THREE STUDENT INDEPENDENT RESEARCH LABS DEDICATED TO BIOLOGY, CHEMISTRY AND BIOCHEMISTRY, AND PHYSICS AT ALBRIGHT COLLEGE IN READING (PA)	\$380,600
INTERMOUNTAIN CENTER FOR RIVER RESTORATION AND REHABILITATION (UT)	\$570,900
LARGE SCALE APPLICATION OF SINGLE-WALLED CARBON NANOTUBES (OK)	\$951,500
LUTHER COLLEGE SCIENCE BLDG. RENOVATION PROJECT (IA)	\$951,500
MARINE SYSTEMS RESEARCH (MA)	\$475,750
MARYGROVE COLLEGE MATTERS (MI)	\$190,300

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT	
MATERIALS AND ENERGY RESEARCH DEVELOPMENT (LA)	\$951,500
MATTER-RADIATION INTERACTIONS IN EXTREMES (NM)	\$6,660,500
MICHIGAN GEOLOGICAL CARBON SEQUESTRATION RESEARCH AND EDUCATION PROGRAM (MI)	\$618,475
MIND INSTITUTE (NM)	\$11,418,000
NATIONAL BIOREPOSITORY-NATIONWIDE CHILDREN'S HOSPITAL (OH)	\$713,625
NEUROSCIENCE RESEARCH (IL)	\$475,750
NEXT GENERATION NEUROIMAGING AT CLEVELAND CLINIC (OH)	\$475,750
NORTH DAKOTA STATE UNIVERSITY COMPUTING CAPABILITY (ND)	\$5,709,000
PIONEER VALLEY LIFE SCIENCES INSTITUTE BIOMEDICAL RESEARCH (MA)	\$475,750
PROFESSIONAL SCIENCE MASTER'S ADVANCED ENERGY AND FUELS MANAGEMENT PROGRAM (IL)	\$428,175
PURDUE CALUMET INLAND WATER INSTITUTE (IN)	\$951,500
RAPID DETECTION OF CONTAMINANTS IN WATER SUPPLIES USING MAGNETIC RESONANCE AND NANOPARTICLES (MA)	\$1,427,250
REGENERATIVE MEDICINE (IL)	\$475,750
RESEARCH INTO PROTON BEAM THERAPY (WA)	\$1,427,250
RNAI RESEARCH, UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, WORCESTER (MA)	\$951,500
SANDIA NANOTECHNOLOGY ENGINEERING CENTER (NM)	\$4,757,500
SCANNING NEAR-FIELD ULTRASOUND HOLOGRAPHY (SNFUH) INSTRUMENTATION FOR NON-INVASIVE AND NON-DESTRUCTIVE IMAGING OF NANOPARTICLE INTERACTION WITH CELLS (IL)	\$951,500
SCIENCE EDUCATION FACILITY RENOVATIONS, OCU (OH)	\$951,500
SCIENCE, MATH, AND TECHNOLOGY EDUCATION INITIATIVE, COLLEGE OF ST. ELIZABETH (NJ)	\$475,750
SOUTHERN METHODIST UNIVERSITY ADVANCED PARALLEL PROCESSING CENTER (TX)	\$951,500
SPECT IMAGING INSTRUMENTATION RESEARCH INITIATIVE (IL)	\$951,500
ST. THOMAS UNIVERSITY U-CORTE (FL)	\$570,900
SUPERCAPACITORS (NY)	\$1,427,250
SUSTAINABLE BIOFUELS DEVELOPMENT CENTER (CO)	\$1,427,250
THE NATIONAL ENERGY POLICY INSTITUTE, UNIVERSITY OF TULSA (OK)	\$713,625
ULTRA-DENSE PORPHYRIM-BASED CAPACITIVE MOLECULAR MEMORY FOR SUPERCOMPUTING (CO)	\$951,500
UMASS INTEGRATIVE SCIENCE BUILDING (MA)	\$1,903,000
UNIVERSITY OF THE CUMBERLANDS SCIENCE & TECHNOLOGY COMPLEX (KY)	\$951,500
URI CYBERINFRASTRUCTURE (RI)	\$951,500
WHITTIER COLLEGE SCIENCE AND MATHEMATICS INITIATIVE (CA)	\$475,750

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NUCLEAR WASTE DISPOSAL

The bill provides \$145,390,000 for Nuclear Waste Disposal program. The control level is at the Nuclear Waste Disposal account level, allowing the Department to move ~~funding~~ between the repository program and program direction subaccounts.

Congressionally Directed Projects.—The bill provides \$1,855,425 for congressionally directed projects.

**CONGRESSIONALLY DIRECTED NUCLEAR WASTE DISPOSAL
PROJECTS**

PROJECT

COOPERATIVE AGREEMENT BETWEEN THE DEPARTMENT OF ENERGY AND INYO COUNTY (CA)	\$1,522,400
INYO COUNTY AFFECTED UNIT OF LOCAL GOVERNMENT (CA)	\$333,025

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Bureau of Reclamation	Water and Related Resources	YAKIMA PROJECT	\$8,172,000	Hastings, Doc	Murray	The President
Bureau of Reclamation	Water and Related Resources	YAKIMA RIVER BASIN WATER ENHANCEMENT PROJECT	\$7,793,000	Hastings, Doc	Murray	The President
Bureau of Reclamation	Water and Related Resources	YAKIMA RIVER BASIN WATER SUPPLY STUDY	\$500,000	Hastings, Doc	Murray, Cantwell	
Bureau of Reclamation	Water and Related Resources	YUMA AREA PROJECTS	\$21,320,000			The President
Bureau of Reclamation	Water and Related Resources	YUMA EAST WETLANDS	\$1,500,000	Grijalva, Raúl M.; Pastor, Ed	Kyl	
Bureau of Reclamation	General Provisions	Section 206			Domenici	
Bureau of Reclamation	General Provisions	Section 207			Reid	
Bureau of Reclamation	General Provisions	Section 208			Reid	
Department of Energy	EERE	ADAPTIVE LIQUID CRYSTAL WINDOWS (OH)	\$951,500	Ryan, Tim		
Department of Energy	EERE	ADVANCED ENGINEERED RAPIDLY DEPLOYABLE MANUFACTURING METHODS AND MATERIALS FOR ENVIRONMENTALLY-BENIGN AND ENERGY EFFICIENT HOUSING (VA)	\$475,750	Goode, Jr., Virgil H.		
Department of Energy	EERE	ADVANCED POWER BATTERIES FOR RENEWABLE ENERGY APPLICATIONS (PA)	\$351,104	Dent, Charles W.; Holden, Tim		
Department of Energy	EERE	ALGAL-BASE RENEWABLE ENERGY FOR NEVADA (NV)	\$713,625		Reid	

Department of Energy	EERE	ALTERNATIVE CROPS AND BIOFUEL PRODUCTION (OK)	\$285,450	Lucas, Frank D.		
Department of Energy	EERE	ALTERNATIVE ENERGIES WORKFORCE APPLICATIONS EDUCATION AND TRAINING PROGRAM (OH)	\$951,500	Jones, Stephanie Tubbs; Kucinich, Dennis J.; Sutton, Betty	Voinovich, Brown	
Department of Energy	EERE	ALTERNATIVE ENERGY ENGINEERING TECHNOLOGY (VA)	\$95,150	Moran, James P.		
Department of Energy	EERE	ALTERNATIVE ENERGY FOR HIGHER EDUCATION (NE)	\$1,141,800		Ben Nelson, Hagel	
Department of Energy	EERE	ALTERNATIVE ENERGY SCHOOL OF THE FUTURE, CLARK COUNTY (NV)	\$1,189,375	Berkley, Shelley; Porter, Jon C.	Reid	
Department of Energy	EERE	ALTERNATIVE FUEL CELL MEMBRANES FOR NATIONAL ENERGY INDEPENDENCE (MS)	\$951,500		Cochran, Wicker	
Department of Energy	EERE	ANAEROBIC DIGESTER AND COMBINED HEAT POWER PROJECT (MD)	\$570,900	Van Hollen, Chris	Cardin	
Department of Energy	EERE	ANCHORAGE REGIONAL LANDFILL (AK)	\$713,625	Young, Don		
Department of Energy	EERE	ANN ARBOR WIND GENERATOR FOR WATER TREATMENT PLANT (MI)	\$951,500	Dingell, John D.		
Department of Energy	EERE	ANTI-IDLING LITHIUM ION BATTERY PROGRAM, CALIFORNIA (CA)	\$951,500	Sherman, Brad		
Department of Energy	EERE	ATLANTA INTERNATIONAL TERMINAL LEED CERTIFICATION (GA)	\$475,750	Johnson, Jr., Henry C. Hank		
Department of Energy	EERE	AUBURN UNIVERSITY BIOENERGY AND BIOPRODUCTS LABORATORY (AL)	\$951,500	Bonner, Jo; Rogers (AL), Mike	Shelby, Sessions	
Department of Energy	EERE	BEXAR COUNTY PHOTOVOLTAIC PANELS (TX)	\$475,750	Gonzalez, Charles A.; Rodriguez, Ciro D.; Smith, Lamar		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	BIO-DIESEL CELLULOSIC ETHANOL RESEARCH FACILITY (FL)	\$951,500	Hastings, Alcee L.; Mahoney, Tim		
Department of Energy	EERE	BIOECONOMY INITIATIVE AT MBI INTERNATIONAL (MI)	\$475,750	Rogers (MI), Mike		
Department of Energy	EERE	BIOENERGY DEMONSTRATION PROJECT: VALUE-ADDED PRODUCTS FROM RENEWABLE FUELS (NE)	\$1,903,000	Fortenberry, Jeff	Ben Nelson, Hagel	
Department of Energy	EERE	BIOFUELS DEVELOPMENT AT TEXAS A&M (TX)	\$951,500	Edwards, Chet		
Department of Energy	EERE	BIOFUELS RESEARCH AND DEVELOPMENT INFRASTRUCTURE (WA)	\$475,750	McDermott, Jim; Smith, Adam		
Department of Energy	EERE	BIOGAS CENTER OF EXCELLENCE (MI)	\$951,500	Kildee, Dale E.	Levin, Stabenow	
Department of Energy	EERE	BIOMASS ENERGY GENERATION PROJECT (IA)	\$285,450	Bralley, Bruce L.	Grassley	
Department of Energy	EERE	BIOMASS ENERGY RESOURCES CENTER (VT)	\$1,427,250		Leahy	
Department of Energy	EERE	BIOMASS FUEL CELL SYSTEMS (CO)	\$1,665,125	Perlmutter, Ed		
Department of Energy	EERE	BIOMASS GASIFICATION RESEARCH AND DEVELOPMENT PROJECT (WA)	\$951,500		Murray	
Department of Energy	EERE	BIOREFINERY DEMONSTRATION PROJECT, UGA, ATHENS (GA)	\$1,189,375	Kingston, Jack	Chambliss, Isakson	
Department of Energy	EERE	BIOREFINERY FOR ETHANOL, CHEMICALS, ANIMAL FEED AND BIOMATERIALS FROM SUGARCANE BAGASSE (LA)	\$951,500		Landrieu, Vitter	
Department of Energy	EERE	BIOREFINING FOR ENERGY SECURITY PROJECT, OULANCASTER (OH)	\$951,500	Hobson, David L.	Voinovich	

Department of Energy	EERE	BOISE CITY GEOTHERMAL SYSTEM EXPANSION (ID)	\$1,427,250	Simpson, Michael K.		
Department of Energy	EERE	CARBON NEUTRAL GREEN CAMPUS (NV)	\$380,600	Porter, Jon C.	Reid	
Department of Energy	EERE	CAYUGA COUNTY REGIONAL DIGESTER FACILITY (NY)	\$475,750	Arcuri, Michael A.		
Department of Energy	EERE	CENTER FOR CLEAN FUELS AND POWER GENERATION AT THE UNIVERSITY OF HOUSTON (TX)	\$475,750	Jackson-Lee, Sheila; Poe, Ted		
Department of Energy	EERE	CENTER FOR EFFICIENCY IN SUSTAINABLE ENERGY SYSTEMS (OH)	\$1,903,000	Ryan, Tim		
Department of Energy	EERE	CENTER FOR INTEGRATED BIOMASS RESEARCH (NC)	\$1,208,405	Etheridge, Bob; Miller, Brad; Price, David E.	Dole	
Department of Energy	EERE	CENTER FOR INTERNATIONAL INTELLIGENT TRANSPORTATION RESEARCH (TX)	\$523,325	Reyes, Silvestre		
Department of Energy	EERE	CENTER FOR NANOSCALE ENERGY (ND)	\$4,757,500	Pomeroy, Earl	Dorgan	
Department of Energy	EERE	CENTER FOR RENEWABLE ENERGY, SCIENCE AND TECHNOLOGY (TX)	\$1,403,463	Barton, Joe		
Department of Energy	EERE	CENTER OF EXCELLENCE IN OCEAN ENERGY RESEARCH AND DEVELOPMENT, FLORIDA ATLANTIC UNIVERSITY (FL)	\$1,189,375	Klein, Ron; Wasserman Schultz, Debbie; Wexler, Robert		
Department of Energy	EERE	CENTRAL VERMONT RECOVERED BIOMASS FACILITY (VT)	\$951,500		Leahy	
Department of Energy	EERE	CHARITON VALLEY DENSIFICATION—PHASE II (IA)	\$951,500		Harkin	
Department of Energy	EERE	CHRISTMAS VALLEY RENEWABLE ENERGY DEVELOPMENT (OR)	\$380,600		Wyden, Smith	
Department of Energy	EERE	CITY OF GRAND RAPIDS BUILDING GREEN ROOF DEMONSTRATION (MI)	\$142,725	Ehlers, Vernon J.	Levin, Stabenow	

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	CITY OF LAS VEGAS PLUG-IN HYBRID VEHICLE DEMONSTRATION PROGRAM (NV)	\$142,725	Berkley, Shelley; Porter, Jon C.	Reid	
Department of Energy	EERE	CITY OF LOUISVILLE ENERGY CONSERVATION INITIATIVE (KY)	\$142,725	Yarmuth, John A.		
Department of Energy	EERE	CITY OF MARKHAM COMMUNITY CENTER (IL)	\$237,875	Rush, Bobby L.		
Department of Energy	EERE	CITY OF MIAMI GREEN INITIATIVE (FL)	\$951,500	Meek, Kendrick B.; Wasserman Schultz, Debbie	Bill Nelson	
Department of Energy	EERE	CITY OF TALLAHASSEE INNOVATIVE ENERGY INITIATIVES (FL)	\$570,900	Boyd, Allen; Crenshaw, Ander	Bill Nelson	
Department of Energy	EERE	CLEAN AND EFFICIENT DIESEL ENGINE (PA)	\$1,189,375	English, Phil		
Department of Energy	EERE	CLEAN POWER ENERGY RESEARCH CONSORTIUM (LA)	\$1,903,000	Jefferson, William J.	Landrieu, Vitter	
Department of Energy	EERE	CLEAN TECHNOLOGY COMMERCIALIZATION INITIATIVE (PA)	\$951,500	Dent, Charles W.	Specter, Casey	
Department of Energy	EERE	CLEAN TECHNOLOGY EVALUATION PROGRAM (MA)	\$475,750	Capuano, Michael E.		
Department of Energy	EERE	CLEARY UNIVERSITY GEOTHERMAL ENERGY RETROFIT (MI)	\$475,750	Rogers (MI), Mike		
Department of Energy	EERE	CLEMSON UNIVERSITY CELLULOSIC BIOFUEL PILOT PLANT IN CHARLESTON (SC)	\$951,500	Barrett, J. Gresham; Inglis, Bob		
Department of Energy	EERE	CLOSED LOOP WOODY BIOMASS PROJECT (NY)	\$475,750	Arcuri, Michael A.; Gillibrand, Kirsten E.; Higgins, Brian; McHugh, John M.	Schumer	

Department of Energy	EERE	COASTAL WIND OHIO (OH)	\$951,500	Kaptur, Marcy; Latta, Robert E.	Voinovich, Brown	
Department of Energy	EERE	COLUMBIA GORGE COMMUNITY COLLEGE WIND ENERGY WORKFORCE TRAINING NACELLE (OR)	\$237,875	Walden, Greg	Wyden, Smith	
Department of Energy	EERE	CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH (NC, GA, KY, NY, MI, HI, SD, FL)	\$3,806,000	Abercrombie, Neil; Boyd, Allen; Conyers, Jr., John; Etheridge, Bob; Herseth Sandlin, Stephanie; Lewis, John; Miller, Brad; Price, David E.; Rogers (MI), Mike; Rogers, Harold; Stupak, Bart; Towns, Edolphus	Brown, Dorgan, Harkin, Inouye, Johnson, Klobuchar, Landrieu, Levin, Ben Nelson, Murray, Stabenow, McConnell, Chambliss	
Department of Energy	EERE	CONTROLLED ENVIRONMENTAL AGRICULTURE AND ENERGY PROJECT (NY)	\$475,750	McHugh, John M.	Schumer	
Department of Energy	EERE	COOLING HEATING AND POWER AND BIO-FUEL APPLICATION CENTER (MS)	\$1,903,000		Cochran, Wicker	
Department of Energy	EERE	DEVELOPING NEW ALTERNATIVE ENERGY IN VIRGINIA: BIO-DIESEL FROM ALGAE (VA)	\$713,625	Drake, Thelma D.		
Department of Energy	EERE	DEVELOPMENT OF BIOFUELS (NV)	\$1,024,167		Reid	
Department of Energy	EERE	DEVELOPMENT OF HIGH YIELD FEEDSTOCK AND BIOMASS CONVERSION TECHNOLOGY FOR RENEWABLE ENERGY PRODUCTION AND ECONOMIC DEVELOPMENT (HI)	\$1,427,250	Abercrombie, Neil; Hirono, Mazie K.	Inouye	
Department of Energy	EERE	DOWNTOWN DETROIT ENERGY EFFICIENCY STREET LIGHTING (MI)	\$951,500	Kilpatrick, Carolyn C.	Levin, Stabenow	
Department of Energy	EERE	DUECO PLUG-IN HYBRID ENGINES (WI)	\$1,903,000		Kohl	
Department of Energy	EERE	ECOLOGICALLY SUSTAINABLE CAMPUS—NEW ENGLAND COLLEGE (NH)	\$299,723	Hodes, Paul W.		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	ENERGY AND ENVIRONMENTAL RESEARCH CENTER FOR BIOMASS UTILIZATION (ND)	\$2,000,053	Pomeroy, Earl	Dorgan	
Department of Energy	EERE	ENERGY EFFICIENCY/SUSTAINABLE ENERGY PROJECT (NC)	\$951,500	Watt, Melvin L.	Dole	
Department of Energy	EERE	ENERGY EFFICIENT BUILDINGS, SALT LAKE COUNTY, UTAH (UT)	\$618,475	Bishop, Rob; Matheson, Jim		
Department of Energy	EERE	ENERGY EFFICIENT ELECTRONICS COOLING PROJECT (IN)	\$951,500	Souder, Mark E.	Lugar	
Department of Energy	EERE	ENERGY EFFICIENT LIGHTING PROJECT (KY)	\$190,300	Yarmuth, John A.		
Department of Energy	EERE	ENERGY PRODUCTION THROUGH ANAEROBIC DIGESTION (NJ)	\$475,750		Lautenberg, Menendez	
Department of Energy	EERE	ENVIRONMENTAL SYSTEM CENTER AT SYRACUSE UNIVERSITY (NY)	\$713,625	Walsh, James T.		
Department of Energy	EERE	ETHANOL FROM AGRICULTURE FOR ARKANSAS AND AMERICA (AR)	\$951,500	Berry, Marion	Lincoln, Pryor	
Department of Energy	EERE	ETHANOL PILOT PLANT (MA, CT)	\$2,664,200	Courtney, Joe; DeLauro, Rosa L.; Neal, Richard E.; Olver, John W.	Dodd, Kennedy, Kerry	
Department of Energy	EERE	FLEXIBLE THIN-FILM SILICON SOLAR CELLS (OH)	\$1,189,375	Kaptur, Marcy	Voinovich, Brown	
Department of Energy	EERE	FLORIDA RENEWABLE ENERGY PROGRAM (FL)	\$713,625	Putnam, Adam H.		
Department of Energy	EERE	FLUID FLOW OPTIMIZATION OF AEROGEL BLANKET MANUFACTURING PROCESS (MA)	\$1,427,250	McGovern, James P.	Kennedy, Kerry	

Department of Energy	EERE	FORESTRY BIOFUEL STATEWIDE COLLABORATION CENTER (MI)	\$1,427,250	Stupak, Bart	Levin, Stabenow	
Department of Energy	EERE	FROSTBURG STATE UNIVERSITY SUSTAINABLE ENERGY RESEARCH FACILITY EQUIPMENT AND STAFFING (MD)	\$856,350	Bartlett, Roscoe G.		
Department of Energy	EERE	FUEL CELL OPTIMIZATION AND SCALE-UP (PA)	\$351,104	Dent, Charles W.		
Department of Energy	EERE	GENETIC IMPROVEMENTS OF SWITCHGRASS (RI)	\$1,427,250		Reed	
Department of Energy	EERE	GEOHERMAL ENERGY PROJECT AT ROBERTS WESLEYAN COLLEGE (NY)	\$475,750	Kuhl, Jr., John R. Randy	Schumer	
Department of Energy	EERE	GEOHERMAL POWER GENERATION PLANT (OR)	\$1,522,400	Hooley, Darlene; Walden, Greg; Wu, David	Wyden, Smith	
Department of Energy	EERE	GREAT BASIN CENTER FOR GEOTHERMAL ENERGY (NV)	\$682,778		Reid	
Department of Energy	EERE	GREAT LAKES INSTITUTE FOR ENERGY INNOVATION (OH)	\$951,500	Jones, Stephanie Tubbs	Voinovich	
Department of Energy	EERE	GREAT PLAINS WIND POWER TEST FACILITY (TX)	\$1,903,000	Neugebauer, Randy	Hutchison	
Department of Energy	EERE	GREEN BUILDING TECHNOLOGIES—LAKEVIEW MUSEUM (IL)	\$237,875	LaHood, Ray		
Department of Energy	EERE	GREEN BUILDING TECHNOLOGIES—BRADLEY UNIVERSITY (IL)	\$475,750	LaHood, Ray		
Department of Energy	EERE	GREEN COLLAR AND RENEWABLE ENERGY TRAINING PROGRAM, AB TECHNICAL COMMUNITY COLLEGE (NC)	\$666,050	Shuler, Heath	Dole	
Department of Energy	EERE	GREEN ENERGY JOB TRAINING INITIATIVE (CA)	\$237,875	Lee, Barbara; Stark, Fortney Pete		
Department of Energy	EERE	GREEN POWER INITIATIVE (IA)	\$951,500	Loeb sack, David	Harkin, Grassley	

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	GREEN ROOF PROJECT—GREENE COUNTY (MO)	\$475,750	Blunt, Roy		
Department of Energy	EERE	GREEN VEHICLE DEPOT (NY)	\$285,450	Ackerman, Gary L.; McCarthy, Carolyn		
Department of Energy	EERE	HARLEM UNITED SUPPORTIVE HOUSING FUND WIND POWER PROJECT (NY)	\$47,575	Rangel, Charles B.		
Department of Energy	EERE	HAWAII-NEW MEXICO SUSTAINABLE ENERGY SECURITY PARTNERSHIP (HI)	\$3,116,202	Hirono, Mazie K.	Inouye, Domenici, Akaka	
Department of Energy	EERE	HIDALGO COUNTY WASTE TO ENERGY PROJECT (TX)	\$118,938	Hinojosa, Rubén		
Department of Energy	EERE	HIGH CARBON FLY ASH USE FOR THE US CEMENT INDUSTRY (UT)	\$951,500	Matheson, Jim		
Department of Energy	EERE	HIGH PERFORMANCE, LOW COST HYDROGEN GENERATION FROM RENEWABLE ENERGY (CT)	\$951,500	DeLauro, Rosa L.	Dodd, Lieberman	
Department of Energy	EERE	HOLLOW GLASS MICROSPHERES (NV)	\$523,325	Porter, Jon C.	Reid	
Department of Energy	EERE	HULL MUNICIPAL LIGHT PLANT OFFSHORE WIND PROJECT (MA)	\$951,500	Delahunt, William D.; Olver, John W.		
Department of Energy	EERE	HYDROELECTRIC POWER GENERATION, QUINCY (IL)	\$475,750	Hare, Phil; Hulshof, Kenny C.	Durbin	
Department of Energy	EERE	HYDROGEN OPTICAL FIBER SENSORS (CA)	\$951,500	Harman, Jane		
Department of Energy	EERE	HYDROGEN STORAGE SYSTEM FOR VEHICULAR PROPULSION (DE)	\$1,427,250	Castle, Michael N.	Biden, Carper	
Department of Energy	EERE	HYDROPOWER FROM WASTEWATER ADVANCED ENERGY PROJECT (NY)	\$475,750	Gillibrand, Kirsten E.	Schumer	

Department of Energy	EERE	HYPERCAST R&D FUNDING FOR VEHICLE ENERGY EFFICIENCY THROUGH CAST METAL AUTO-COMBUSTION SYNTHESIS (MA)	\$1,427,250	McGovern, James P.	Kennedy, Kerry, Salazar, Brown, Voinovich, Lugar, Stabenow	
Department of Energy	EERE	ILLINOIS STATE UNIVERSITY—BIOMASS RESEARCH PROJECT (IL)	\$475,750	Weller, Jerry		
Department of Energy	EERE	INTEGRATED POWER FOR MICROSYSTEMS AT ROCHESTER INSTITUTE OF TECHNOLOGY (NY)	\$951,500	Kuhl, Jr., John R. Randy	Schumer	
Department of Energy	EERE	INTEGRATED SUSTAINABILITY INITIATIVE (NV)	\$951,500		Reid	
Department of Energy	EERE	INTELLIGENT CONTROLS FOR NET-ZERO ENERGY BUILDINGS (NE)	\$475,750	Fortenberry, Jeff	Ben Nelson, Hagel	
Department of Energy	EERE	INTELLIGENT FACADES FOR HIGH PERFORMANCE GREEN BUILDINGS (NY)	\$713,625	Gillibrand, Kirsten E.; McNulty, Michael R.		
Department of Energy	EERE	IOWA CENTRAL COMMUNITY COLLEGE RENEWABLE FUELS LAB (IA)	\$475,750	Latham, Tom		
Department of Energy	EERE	IOWA LAKES COMMUNITY COLLEGE SUSTAINABLE ENERGY EDU. CENTER (IA)	\$475,750	Latham, Tom	Grassley	
Department of Energy	EERE	ISLES, INC., SOLAR AND GREEN RETROFITS (NJ)	\$237,875	Smith, Christopher H.		
Department of Energy	EERE	JUNIATA HYBRID LOCOMOTIVE (PA)	\$713,625	Shuster, Bill	Specter	
Department of Energy	EERE	KANSAS BIOFUELS CERTIFICATION LABORATORY (KS)	\$989,560		Brownback	
Department of Energy	EERE	KANSAS STATE UNIVERSITY CENTER FOR SUSTAINABLE ENERGY (KS)	\$713,625	Moran, Jerry	Roberts	
Department of Energy	EERE	KANSAS WIND ENERGY CONSORTIUM (KS)	\$713,625	Boyda, Nancy E.; Moran, Jerry		
Department of Energy	EERE	LA SAMILLA SOLAR TROUGH STORAGE PROJECT (NM)	\$1,903,000		Domenici, Bingaman	
Department of Energy	EERE	LAKE LAND COLLEGE ENERGY EFFICIENT BUILDINGS (IL)	\$1,332,100	Johnson, Timothy V.		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	LANDFILL GAS UTILIZATION PLANT (NY)	\$1,903,000		Schumer	
Department of Energy	EERE	LEHIGH VALLEY HOSPITAL PHOTOVOLTAIC PANEL INSTALLATION (PA)	\$951,500	Dent, Charles W.		
Department of Energy	EERE	LIGHTWEIGHT COMPOSITES FOR HEAVY-DUTY VEHICLES AND HYDROGEN STORAGE (WV)	\$475,750		Byrd	
Department of Energy	EERE	LOW COST THIN FILMED SILICON BASED PHOTOVOLTAICS (NY)	\$475,750	Hinchey, Maurice D.		
Department of Energy	EERE	MACOMB COMMUNITY COLLEGE TRANSPORTATION AND ENERGY TECHNOLOGY (MI)	\$475,750	Levin, Sander M.		
Department of Energy	EERE	MAINE TIDAL POWER INITIATIVE (ME)	\$951,500	Michaud, Michael H.	Snowe, Collins	
Department of Energy	EERE	MANUFACTURING INDUSTRIAL DEVELOPMENT FOR THE HYDROGEN ECONOMY (MI)	\$761,200	Knollenberg, Joe		
Department of Energy	EERE	MARET CENTER (MO)	\$951,500	Blunt, Roy		
Department of Energy	EERE	MARINE RENEWABLE ENERGY CENTER (MA)	\$951,500	Delahunt, William D.; Frank, Barney; McGovern, James P.; Oliver, John W.		
Department of Energy	EERE	MARQUETTE UNIVERSITY ANAEROBIC BIOTECHNOLOGY (WI)	\$475,750	Moore, Gwen		
Department of Energy	EERE	MARTIN COUNTY HYDROGEN FUEL CELL PROJECT (NC)	\$1,427,250	Butterfield, G. K.	Dole, Burr	
Department of Energy	EERE	MIAMI SCIENCE MUSEUM RENEWABLE ENERGY RESEARCH PROJECT (FL)	\$713,625	Ros-Lehtinen, Ileana		

Department of Energy	EERE	MICHIGAN ALTERNATIVE AND RENEWABLE ENERGY CENTER OFFSHORE WIND DEMONSTRATION PROJECT (MI)	\$1,427,250	Hoekstra, Peter		
Department of Energy	EERE	MIDDLESEX COMMUNITY COLLEGE'S GEOTHERMAL PROJECT (MA)	\$237,875	Tierney, John F.		
Department of Energy	EERE	MIDSOUTH/SOUTHEAST BIOENERGY CONSORTIUM (AR, GA)	\$1,903,000	Berry, Marion; Boozman, John; Marshall, Jim	Lincoln, Pryor, Chambliss	
Department of Energy	EERE	MINNESOTA CENTER FOR RENEWABLE ENERGY (MN)	\$713,625	Peterson, Collin C.; Walz, Timothy J.	Coleman, Klobuchar	
Department of Energy	EERE	MODULAR ENERGY STORAGE SYSTEM FOR HYDROGEN FUEL CELL (MI)	\$1,189,375	Knollenberg, Joe	Levin, Stabenow	
Department of Energy	EERE	MULTIFUNCTIONAL SOLAR ENERGY SYSTEMS RESEARCH (UT)	\$1,332,100		Bennett	
Department of Energy	EERE	MUNSTER—WASTE TO ENERGY COGENERATION PROJECT (IN)	\$951,500	Visclosky, Peter J.	Lugar	
Department of Energy	EERE	NANOSTRUCTURED MATERIALS FOR ENERGY (NC)	\$951,500	Miller, Brad	Dole	
Department of Energy	EERE	NANOSTRUCTURED SOLAR CELLS FOR INCREASED EFFICIENCY AND LOWER COST (AR)	\$1,189,375	Snyder, Vic	Lincoln, Pryor	
Department of Energy	EERE	NASI AND NA-SG POWDER HYDROGEN FUEL CELLS (NY, NJ)	\$951,500	Holt, Rush D.; Maloney, Carolyn B.	Lautenberg, Menendez	
Department of Energy	EERE	NATIONAL AGRICULTURE-BASED INDUSTRIAL LUBRICANTS (NABL), BIOMASS (IA)	\$570,900	Bralley, Bruce L.	Harkin, Grassley	
Department of Energy	EERE	NATIONAL CENTER FOR MANUFACTURING SCIENCES LIGHTWEIGHT VEHICLE MATERIALS (MI)	\$1,903,000	Dingell, John D.	Levin, Stabenow	
Department of Energy	EERE	NATIONAL WIND ENERGY CENTER (TX)	\$2,378,750	Green, Al; Green, Gene; Jackson-Lee, Sheila	Hutchison	

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	NEVADA INSTITUTE FOR RENEWABLE ENERGY COMMERCIALIZATION (NV)	\$475,750		Reid	
Department of Energy	EERE	NEVADA VIRTUAL RENEWABLE ENERGY INTEGRATION AND DEVELOPMENT CENTER (NV)	\$2,560,418		Reid	
Department of Energy	EERE	NEW SCHOOL GREEN BUILDING (NY)	\$1,903,000	Nadler, Jerrold	Schumer	
Department of Energy	EERE	NIAGARA RIVER HYDROPOWER (NY)	\$475,750	Slaughter, Louise McIntosh		
Department of Energy	EERE	NORTH CAROLINA CENTER FOR AUTOMOTIVE RESEARCH (NC)	\$475,750		Dole	
Department of Energy	EERE	NOTRE DAME/NISOURCE GEOTHERMAL IONIC LIQUIDS RESEARCH COLLABORATIVE (IN)	\$951,500	Visclosky, Peter J.	Lugar	
Department of Energy	EERE	OHIO ADVANCED ENERGY MANUFACTURING CENTER (OH)	\$951,500		Brown, Voinovich	
Department of Energy	EERE	OMEGA OPTICAL SOLAR POWER GENERATION DEVELOPMENT (VT)	\$1,427,250	Welch, Peter	Leahy	
Department of Energy	EERE	ONE KILOWATT BIOGAS FUELED SOLID OXIDE FUEL CELL STACK (NY)	\$951,500	Higgins, Brian	Schumer	
Department of Energy	EERE	OREGON SOLAR HIGHWAY (OR)	\$951,500	Hooley, Darlene; Wu, David	Wyden, Smith	
Department of Energy	EERE	OU CENTER FOR BIOFUELS REFINING ENGINEERING (OK)	\$713,625	Cole, Tom		
Department of Energy	EERE	PECOS VALLEY BIOMASS ENERGY PROJECT (NM)	\$2,378,750		Domenici, Bingaman	

Department of Energy	EERE	PHOTOVOLTAIC SYSTEM AT TOWN LANDFILL IN ISLIP (NY)	\$475,750	Israel, Steve	Schumer	
Department of Energy	EERE	PINELLAS COUNTY REGIONAL URBAN SUSTAINABILITY DEMONSTRATION AND EDUCATION FACILITY (FL)	\$475,750	Young, C. W. Bill		
Department of Energy	EERE	PITTSBURGH GREEN INNOVATORS SYNERGY CENTER	\$570,900	Doyle, Michael F.		
Department of Energy	EERE	PLACER COUNTY BIOMASS UTILIZATION PILOT PROJECT (CA)	\$1,427,250	Doolittle, John T.	Feinstein	
Department of Energy	EERE	PLUG-IN HYBRID AND ETHANOL RESEARCH PLATFORMS (NC)	\$808,775	Etheridge, Bob		
Department of Energy	EERE	POPE/DOUGLAS THIRD COMBUSTER EXPANSION (MN)	\$951,500	Peterson, Collin C.	Coleman, Klobuchar	
Department of Energy	EERE	PURDUE HYDROGEN TECHNOLOGIES PROGRAM (IN)	\$951,500	Visclosky, Peter J.	Lugar	
Department of Energy	EERE	RENEWABLE ENERGY CENTER (NV)	\$475,750	Heller, Dean; Porter, Jon C.	Reid	
Department of Energy	EERE	RENEWABLE ENERGY CLEAN AIR PROJECT (RECAP) (MN)	\$951,500	Oberstar, James L.	Klobuchar	
Department of Energy	EERE	RENEWABLE ENERGY DEVELOPMENT VENTURE (HI)	\$3,799,205		Inouye	
Department of Energy	EERE	RENEWABLE ENERGY FEASIBILITY STUDY (NJ)	\$475,750	Smith, Christopher H.	Lautenberg, Menendez	
Department of Energy	EERE	RENEWABLE/ALTERNATIVE ENERGY CENTER (FL)	\$951,500	Buchanan, Vern		
Department of Energy	EERE	RENEWABLE/SUSTAINABLE BIOMASS PROJECT (AK)	\$475,750		Murkowski	
Department of Energy	EERE	RHODE ISLAND OCEAN SPECIAL AREA MANAGEMENT PLAN (RI)	\$666,050	Langevin, James R.	Reed, Whitehouse	
Department of Energy	EERE	SAN FRANCISCO BIOFUELS PROGRAM (CA)	\$951,500	Pelosi, Nancy		
Department of Energy	EERE	SANDIA NATIONAL LAB CONCENTRATING SOLAR (NM)	\$2,854,500		Domenici, Bingaman	

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	SAPPHIRE ALGAE TO FUEL DEMONSTRATION PROJECT, PORTALES (NM)	\$951,500	Udall, Tom		
Department of Energy	EERE	SENIOR HOUSING PROJECT GREEN BUILDING, CERRITOS (CA)	\$380,600	Sánchez, Linda T.		
Department of Energy	EERE	SNOHOMISH COUNTY PUD NO. 1 GEOTHERMAL ENERGY STUDY (WA)	\$475,750	Inslee, Jay		
Department of Energy	EERE	SOLAR DEMONSTRATION AND RESEARCH FACILITY (FL)	\$237,875	Brown, Corrine	Martinez	
Department of Energy	EERE	SOLAR ELECTRIC POWER SYSTEM (NY)	\$66,605	Hall, John J.		
Department of Energy	EERE	SOLAR ENERGY WINDOWS AND SMART IR SWITCHABLE BUILDING TECHNOLOGIES (PA)	\$1,189,375	Altmire, Jason; Doyle, Michael F.	Specter	
Department of Energy	EERE	SOLAR LIGHTING DEMONSTRATION PROJECT (NV)	\$761,200	Berkley, Shelley; Porter, Jon C.	Reid	
Department of Energy	EERE	SOLAR PANELS AND ENVIRONMENTAL EDUCATION (NJ)	\$951,500	Payne, Donald M.; Rothman, Steven R.; Sires, Albio	Lautenberg, Menendez	
Department of Energy	EERE	SOLAR PANELS FOR THE HAVERHILL CITIZENS ENERGY EFFICIENCY (MA)	\$237,875	Tsongas, Niki		
Department of Energy	EERE	SOLAR POWER GENERATION (NJ)	\$285,450		Lautenberg	
Department of Energy	EERE	SOLAR THERMAL DEMONSTRATION PROJECT (NV)	\$1,189,375		Reid	
Department of Energy	EERE	SOUTHERN REGIONAL CENTER FOR LIGHTWEIGHT INNOVATIVE DESIGN (MS)	\$3,806,000		Cochran, Wicker	

Department of Energy	EERE	SOUTHWEST ALASKA REGIONAL GEOTHERMAL ENERGY PROJECT (AK)	\$2,854,500		Murkowski	
Department of Energy	EERE	SPRINGFIELD HOSPITAL GREEN BUILDING (OH)	\$3,806,000	Hobson, David L.		
Department of Energy	EERE	ST. CLAIR COMMUNITY COLLEGE (MI)	\$190,300	Miller, Candice S.		
Department of Energy	EERE	ST. PETERSBURG SOLAR PILOT PROJECT (FL)	\$1,427,250	Young, C. W. Bill	Bill Nelson	
Department of Energy	EERE	STAMFORD WASTE TO ENERGY PROJECT (CT)	\$1,903,000	Shays, Christopher	Dodd, Lieberman	
Department of Energy	EERE	STORAGE TANKS AND DISPENSERS FOR E85 AND BIO-DIESEL (IL) (DUPAGE COUNTY, IL)	\$209,330	Roskam, Peter J.		
Department of Energy	EERE	STORAGE TANKS AND DISPENSERS FOR E85 AND BIO-DIESEL (IL) (PEORIA, IL)	\$166,513	LaHood, Ray		
Department of Energy	EERE	STRATEGIC BIOMASS INITIATIVE (MS)	\$475,750		Cochran, Wicker	
Department of Energy	EERE	SUN GRANT INITIATIVE (SD)	\$3,806,000		Johnson, Thune	
Department of Energy	EERE	SUSTAINABLE ENERGY FOR HOMES AND BUSINESSES (VT)	\$713,625		Sanders	
Department of Energy	EERE	SUSTAINABLE ENERGY FOR VERMONT SCHOOLS COMPETITION (VT)	\$856,350		Sanders	
Department of Energy	EERE	SUSTAINABLE ENERGY RESEARCH CENTER (MS)	\$10,466,500	Pickering, Charles W. Chip	Cochran, Wicker	
Department of Energy	EERE	SUSTAINABLE HYDROGEN FUELING STATION, CALIFORNIA STATE UNIVERSITY LOS ANGELES (CA)	\$475,750	Solis, Hilda L.		
Department of Energy	EERE	SUSTAINABLE LAS VEGAS (NV)	\$951,500	Berkley, Shelley	Reid	
Department of Energy	EERE	THE INSTITUTE FOR ENERGY, ENVIRONMENT AND SUSTAINABILITY (KS)	\$713,625		Brownback	
Department of Energy	EERE	THE OHIO STATE UNIVERSITY—OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (OH)	\$380,600	Regula, Ralph		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	EERE	TIDAL ENERGY STUDY (WA)	\$475,750	Inslee, Jay	Murray	
Department of Energy	EERE	TOWN OF MEXICO GEOTHERMAL PROJECT (NY)	\$142,725	McHugh, John M.		
Department of Energy	EERE	TRANSPO BUS OPERATIONS AND MAINTENANCE CENTER, SOUTH BEND (IN)	\$951,500	Donnelly, Joe	Lugar, Bayh	
Department of Energy	EERE	TRANSPORTABLE EMISSIONS TESTING LAB (WV)	\$951,500		Byrd	
Department of Energy	EERE	TRENTON FUEL WORKS CELLULOSIC DIESEL BIO-REFINERY (NJ)	\$475,750	Holt, Rush D.; Rothman, Steven R.	Lautenberg, Menendez	
Department of Energy	EERE	TSEC PHOTOVOLTAIC INNOVATION (NY)	\$1,903,000	Hall, John J.; Hinchey, Maurice D.		
Department of Energy	EERE	UNALASKA GEOTHERMAL ENERGY (AK)	\$951,500	Young, Don		
Department of Energy	EERE	UNIVERSITY OF KENTUCKY BIO-FUELS RESEARCH LABORATORY (KY)	\$428,175	Lewis, Ron		
Department of Energy	EERE	UNIVERSITY OF NORTH ALABAMA GREEN CAMPUS INITIATIVE (AL)	\$951,500	Aderholt, Robert B.; Cramer, Jr., Robert E. (Bud)		
Department of Energy	EERE	UNIVERSITY OF SOUTHERN INDIANA ADVANCED MANUFACTURING AND ENGINEERING EQUIPMENT PROJECT (IN)	\$951,500	Ellsworth, Brad	Lugar, Bayh	
Department of Energy	EERE	URBAN WOOD-BASED BIO-ENERGY SYSTEM IN SEATTLE (WA)	\$475,750	Inslee, Jay; McDermott, Jim		
Department of Energy	EERE	USD CATALYSIS GROUP FOR ALTERNATIVE ENERGY (DE)	\$1,046,650		Johnson, Thune	

Department of Energy	EERE	VERMONT BIOFUELS INITIATIVE (VT)	\$1,427,250		Leahy	
Department of Energy	EERE	WATER-TO-WATER HEAT PUMP CHILLERS, PHOENIX CHILDREN (AZ)	\$1,951,717	Pastor, Ed		
Department of Energy	EERE	WAVE ENERGY RESEARCH AND DEMONSTRATION CENTER (OR)	\$2,331,175	Blumenauer, Earl; DeFazio, Peter A.; Hooley, Darlene; Walden, Greg; Wu, David	Wyden, Smith	
Department of Energy	EERE	WESTERN MASSACHUSETTS COLLABORATIVE WIND PROJECT (MA)	\$1,189,375	Olver, John W.		
Department of Energy	EERE	WIND TURBINE ELECTRIC HIGH-SPEED SHAFT BRAKE PROJECT (OH)	\$475,750	Sutton, Betty	Voinovich, Brown	
Department of Energy	EERE	WIND TURBINE MODEL AND PILOT PROJECT FOR ALTERNATIVE ENERGY (DE)	\$1,427,250		Biden, Carper	
Department of Energy	EERE	WINOOSKI COMMUNITY GREENING PROJECT (VT)	\$114,180	Welch, Peter		
Department of Energy	EERE	WISDOM WAY SOLAR VILLAGE (MA)	\$570,900	Olver, John W.		
Department of Energy	EERE	WOODY BIOMASS PROJECT AT SUNY-ESF (NY)	\$713,625	Walsh, James T.	Schumer	
Department of Energy	Electricity Delivery and Energy Reliability	ALTERNATE FUEL FOR CEMENT PROCESSING (AL)	\$1,427,250		Shelby	
Department of Energy	Electricity Delivery and Energy Reliability	BISMARCK STATE COLLEGE CENTER OF EXCELLENCE LABORATORIES (ND)	\$2,188,450		Dorgan	
Department of Energy	Electricity Delivery and Energy Reliability	DEVELOPMENT OF TOROIDAL CORE TRANSFORMERS (NY)	\$951,500	Towns, Edolphus	Schumer	
Department of Energy	Electricity Delivery and Energy Reliability	ENERGY DEVELOPMENT AND RELIABILITY (ND)	\$285,450		Dorgan	
Department of Energy	Electricity Delivery and Energy Reliability	ENERGY TECHNOLOGIES RESEARCH AND EDUCATION INITIATIVE (NM)	\$951,500	Pearce, Stevan	Bingaman	

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	Electricity Delivery and Energy Reliability	FEASIBILITY STUDY OF CONNECTING THE ST. THOMAS-ST. JOHN AND ST. CROIX ELECTRICITY GRIDS (VI)	\$475,750	Christensen, Donna M.		
Department of Energy	Electricity Delivery and Energy Reliability	HIGH VOLTAGE TRANSMISSION LINES—PHASE II (TN)	\$475,750	Gordon, Bart		
Department of Energy	Electricity Delivery and Energy Reliability	INTEGRATED DISTRIBUTION MANAGEMENT SYSTEM (AL)	\$2,854,500	Aderholt, Robert B.; Cramer, Jr., Robert E. (Bud)	Shelby	
Department of Energy	Electricity Delivery and Energy Reliability	IOWA STORED ENERGY PLANT (IA)	\$1,427,250	Latham, Tom	Harkin	
Department of Energy	Electricity Delivery and Energy Reliability	LONG ISLAND SMART METERING PILOT PROJECT (NY)	\$713,625	Israel, Steve		
Department of Energy	Electricity Delivery and Energy Reliability	MICROGRIDS FOR COLONIAS (TX)	\$475,750	Cuellar, Henry		
Department of Energy	Electricity Delivery and Energy Reliability	NATIONAL CENTER FOR RELIABLE ELECTRIC POWER TRANSMISSION (NCREPT) (AR)	\$475,750	Boozman, John	Lincoln, Pryor	
Department of Energy	Electricity Delivery and Energy Reliability	NAVAJO ELECTRIFICATION DEMONSTRATION PROGRAM (NM)	\$1,903,000	Udall, Tom	Domenici, Bingaman	
Department of Energy	Electricity Delivery and Energy Reliability	NORTH DAKOTA ENERGY WORKFORCE DEVELOPMENT (ND)	\$1,807,850		Dorgan	
Department of Energy	Electricity Delivery and Energy Reliability	POWER GRID RELIABILITY AND SECURITY (WA)	\$951,500	Smith, Adam	Murray, Cantwell	
Department of Energy	Electricity Delivery and Energy Reliability	RED RIVER VALLEY RESEARCH CORRIDOR TECHNOLOGY DEVELOPMENT (ND)	\$380,600		Dorgan	

Department of Energy	Electricity Delivery and Energy Reliability	SAN MATEO COUNTY SOLAR GENESIS PROJECT (CA)	\$1,427,250		Boxer	
Department of Energy	Electricity Delivery and Energy Reliability	SMARTGRID INTEGRATION LAB (CO)	\$475,750	Perlmutter, Ed	Salazar, Allard	
Department of Energy	Nuclear Energy	TECHNOLOGIES VENTURES CORPORATION (NM)	\$2,854,500		Domenici	
Department of Energy	Fossil Energy R&D	ARCTIC ENERGY OFFICE (AK)	\$3,806,000		Murkowski	
Department of Energy	Fossil Energy R&D	CENTER FOR ZERO EMISSIONS RESEARCH AND TECHNOLOGY (MT)	\$5,709,000	Rehberg, Dennis R.	Baucus, Tester	
Department of Energy	Fossil Energy R&D	CO2 CAPTURE/SEQUESTRATION RESEARCH (PA)	\$475,750		Casey	
Department of Energy	Fossil Energy R&D	DIRECT METHANOL FUEL CELL (IN)	\$951,500	Visclosky, Peter J.		
Department of Energy	Fossil Energy R&D	FOSSIL FUEL RESEARCH & DEVELOPMENT (ND)	\$3,806,000	Pomeroy, Earl	Dorgan	
Department of Energy	Fossil Energy R&D	FUEL CELL TECH FOR CLEAN COAL POWER PLANTS (OH)	\$1,427,250	Ryan, Tim; Sutton, Betty	Voinovich	
Department of Energy	Fossil Energy R&D	GULF OF MEXICO HYDRATES RESEARCH CONSORTIUM	\$1,141,800	Childers, Travis	Cochran, Wicker	
Department of Energy	Fossil Energy R&D	ITM REACTION-DRIVEN CERAMIC MEMBRANE SYSTEMS (PA)	\$951,500	Dent, Charles W.	Specter	
Department of Energy	Fossil Energy R&D	LONG TERM ENVIRONMENTAL AND ECONOMIC IMPACTS OF THE DEVELOPMENT OF A COAL LIQUEFACTION SECTOR IN CHINA (WV)	\$475,750		Byrd	
Department of Energy	Fossil Energy R&D	METHANOL ECONOMY (CA)	\$1,903,000	Watson, Diane E.		
Department of Energy	Fossil Energy R&D	MULTI-POLLUTANT REMOVAL AND ADVANCED MULTI-POLLUTANT REMOVAL AND ADVANCED CARBON CAPTURE AND STORAGE PROJECTS USING ECO TECHNOLOGY (OH)	\$951,500	Wilson, Charles A.	Voinovich	

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	Fossil Energy R&D	MULTI-YEAR DEMONSTRATION OF CARBON SEQUESTRATION IN A DEEP SALINE RESERVOIR (CO)	\$1,427,250		Salazar, Allard	
Department of Energy	Fossil Energy R&D	NATIONAL CENTER FOR HYDROGEN TECHNOLOGY (ND)	\$2,854,500	Pomeroy, Earl	Dorgan	
Department of Energy	Fossil Energy R&D	PILOT ENERGY COST CONTROL EVALUATION (PECCE) PROJECT (WVA, PA & IN)	\$2,355,914	Visclosky, Peter J.		
Department of Energy	Fossil Energy R&D	REFINING CAPACITY STUDY (ND)	\$475,750		Dorgan	
Department of Energy	Fossil Energy R&D	ROLLS ROYCE SOLID OXIDE FUEL CELL SYSTEMS DEVELOPMENT (OH)	\$1,284,525	Regula, Ralph	Voinovich, Brown	
Department of Energy	Fossil Energy R&D	SHALE OIL UPGRADING UTILIZING IONIC CONDUCTIVE MEMBRANES (UT)	\$2,188,450		Hatch, Bennett	
Department of Energy	Fossil Energy R&D	SOLID OXIDE FUEL CELLS (PA)	\$1,903,000		Specter	
Department of Energy	Fossil Energy R&D	THE CENTER FOR ADVANCED SEPARATION TECHNOLOGY (KY)	\$2,854,500	Boucher, Rick; Moran, James P.	McConnell, Warner, Webb	
Department of Energy	Fossil Energy R&D	UNIVERSITY OF KENTUCKY COAL-DERIVED LOW ENERGY MATERIALS FOR SUSTAINABLE CONSTRUCTION PROJECT (KY)	\$951,500	Davis, Geoff	McConnell, Bunning	
Department of Energy	Fossil Energy R&D	UNIVERSITY OF KENTUCKY STRATEGIC LIQUID TRANSPORTATION FUELS DERIVED FROM COAL (KY)	\$1,379,675	Davis, Geoff; Rogers, Harold	Bunning	
Department of Energy	Fossil Energy R&D	UTAH CENTER FOR ULTRA CLEAN COAL UTILIZATION & HEAVY OIL RESEARCH (UT)	\$4,757,500	Matheson, Jim	Bennett	

Department of Energy	Fossil Energy R&D	VERSAILLES BOROUGH STRAY GAS MITIGATION	\$380,600	Doyle, Michael F.		
Department of Energy	Fossil Energy R&D	WYOMING CO2 SEQUESTRATION TESTING PROGRAM (WY)	\$856,350	Cubin, Barbara	Enzi, Barrasso	
Department of Energy	Non-Defense Environmental Cleanup	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY INITIATIVE (KY)	\$951,500		McConnell	
Department of Energy	Non-Defense Environmental Cleanup	SOUTHWEST EXPERIMENTAL FAST OXIDE REACTOR DECOMMISSIONING (AR)	\$1,903,000		Lincoln, Pryor	
Department of Energy	Non-Defense Environmental Cleanup	WESTERN ENVIRONMENTAL TECHNOLOGY OFFICE (MT)	\$1,903,000	Rehberg, Dennis R.	Tester	
Department of Energy	Science	ADVANCED ARTIFICIAL SCIENCE AND ENGINEERING RESEARCH INFRASTRUCTURE (TX)	\$380,600	Hall, Ralph M.		
Department of Energy	Science	ALVERNIA COLLEGE SCIENTIFIC INSTRUMENTATION INITIATIVE (PA)	\$570,900	Gerlach, Jim		
Department of Energy	Science	ANTIBODIES RESEARCH (ND)	\$2,616,625	Pomeroy, Earl	Dorgan	
Department of Energy	Science	BARRY UNIVERSITY INSTITUTE FOR COLLABORATIVE SCIENCES RESEARCH (FL)	\$761,200	Diaz-Balart, Lincoln; Diaz-Balart, Mario	Bill Nelson	
Department of Energy	Science	BIONANOTECHNOLOGY: RESEARCH AND COMMERCIALIZATION (LA)	\$1,427,250	Alexander, Rodney	Landrieu, Vitter	
Department of Energy	Science	BIOTECHNOLOGY/FORENSICS LABORATORY (UT)	\$475,750	Cannon, Chris	Hatch, Bennett	
Department of Energy	Science	BRONX COMMUNITY COLLEGE CENTER FOR SUSTAINABLE ENERGY (NY)	\$475,750	Serrano, José		
Department of Energy	Science	BROWN UNIVERSITY, BROWN ENERGY INITIATIVE (RI)	\$951,500	Kennedy, Patrick J.		
Department of Energy	Science	CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO TWIN TOWER PROJECT (CA)	\$570,900	Baca, Joe		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	Science	CENTER FOR ADVANCED SCIENTIFIC COMPUTING AND MODELING (TX)	\$700,304	Burgess, Michael C.		
Department of Energy	Science	CENTER FOR CATALYSIS AND SURFACE SCIENCE AT NORTHWESTERN UNIVERSITY (IL)	\$951,500	Lipinski, Daniel		
Department of Energy	Science	CENTER FOR DIAGNOSTIC NANOSYSTEMS (WV)	\$1,903,000		Byrd	
Department of Energy	Science	CENTER FOR NANOMEDICINE AND CELLULAR DELIVERY, SCHOOL OF PHARMACY (MD)	\$713,625		Mikulski	
Department of Energy	Science	CENTER OF EXCELLENCE AND HAZARDOUS MATERIALS (NM)	\$1,903,000	Pearce, Stevan	Domenici	
Department of Energy	Science	CHEMISTRY BUILDING RENOVATION (MI)	\$475,750	Conyers, Jr., John; Kilpatrick, Carolyn C.	Levin	
Department of Energy	Science	CLEMSON UNIVERSITY CYBERINSTITUTE (SC)	\$1,427,250	Inglis, Bob; Spratt, Jr., John M.		
Department of Energy	Science	CLIMATE CHANGE MODELING CAPABILITY (NM)	\$4,757,500		Domenici	
Department of Energy	Science	CLINTON JUNIOR COLLEGE SCIENCE PROGRAM (SC)	\$380,600	Spratt, Jr., John M.		
Department of Energy	Science	COLLABORATIVE INITIATIVE IN BIOMEDICAL IMAGING (NC)	\$1,427,250	Hayes, Robin; Price, David E.	Dole, Burr	
Department of Energy	Science	CONTRAST MEDIA AND WOUND CLOSURE REDUCTION STUDY (MS)	\$618,475		Cochran	
Department of Energy	Science	CURRICULUM AND INFRASTRUCTURE ENHANCEMENT IN STEM (PA)	\$475,750	Sestak, Joe		

Department of Energy	Science	DECISION SUPPORT TOOLS FOR COMPLEX ANALYSIS (DSTCA) (OH)	\$1,427,250	Hobson, David L.		
Department of Energy	Science	EASTERN KENTUCKY UNIVERSITY EQUIPMENT FOR NEW SCIENCE BUILDING (KY)	\$951,500	Chandler, Ben		
Department of Energy	Science	FACILITATING BLOOD-BRAIN BARRIER RESEARCH (WA)	\$1,427,250	McDermott, Jim; Smith, Adam	Murray, Cantwell	
Department of Energy	Science	FORMER WORKERS MEDICAL SURVEILLANCE PROGRAMS (IA)	\$951,500	Loeb sack, David	Harkin, Grassley	
Department of Energy	Science	FUNCTIONAL MRI RESEARCH (VT)	\$1,189,375		Leahy	
Department of Energy	Science	FUSION ENERGY SPHEROMAK TURBULENT PLASMA EXPERIMENT (FL)	\$951,500	Meek, Kendrick B.	Bill Nelson	
Department of Energy	Science	GEORGE MASON UNIVERSITY—NATIONAL CENTER FOR BIODEFENSE AND INFECTIOUS DISEASE (VA)	\$1,427,250	Davis, Tom; Moran, James P.		
Department of Energy	Science	HOFSTRA UNIVERSITY CENTER FOR CLIMATE STUDY (NY)	\$475,750	McCarthy, Carolyn		
Department of Energy	Science	IDAHO ACCELERATOR CENTER PRODUCTION OF MEDICAL ISOTOPES (ID)	\$951,500	Simpson, Michael K.	Craig	
Department of Energy	Science	IDAHO NATIONAL LABORATORY CENTER FOR ADVANCED ENERGY STUDIES (ID)	\$2,498,639	Simpson, Michael K.	Craig, Crapo	
Department of Energy	Science	INSTITUTE FOR INTEGRATED SCIENCES AT BOSTON COLLEGE (MA)	\$2,378,750	Markey, Edward J.; Olver, John W.		
Department of Energy	Science	INSTRUMENTATION AND CONSTRUCTION COSTS FOR THREE STUDENT INDEPENDENT RESEARCH LABS DEDICATED TO BIOLOGY, CHEMISTRY AND BIO-CHEMISTRY, AND PHYSICS AT ALBRIGHT COLLEGE IN READING (PA)	\$380,600	Gerlach, Jim		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	Science	INTERMOUNTAIN CENTER FOR RIVER RESTORATION AND REHABILITATION (UT)	\$570,900		Bennett	
Department of Energy	Science	LARGE SCALE APPLICATION OF SINGLE-WALLED CARBON NANOTUBES (OK)	\$951,500	Cole, Tom		
Department of Energy	Science	LUTHER COLLEGE SCIENCE BLDG. RENOVATION PROJECT (IA)	\$951,500	Latham, Tom	Grassley	
Department of Energy	Science	MARINE SYSTEMS RESEARCH (MA)	\$475,750		Kennedy, Kerry	
Department of Energy	Science	MARYGROVE COLLEGE MATTERS (MI)	\$190,300	Conyers, Jr., John		
Department of Energy	Science	MATERIALS AND ENERGY RESEARCH DEVELOPMENT (LA)	\$951,500	Jefferson, William J.	Landrieu	
Department of Energy	Science	MATTER-RADIATION INTERACTIONS IN EXTREMES (NM)	\$6,660,500		Domenici, Bingaman	
Department of Energy	Science	MICHIGAN GEOLOGICAL CARBON SEQUESTRATION RESEARCH AND EDUCATION PROGRAM (MI)	\$618,475	Upton, Fred		
Department of Energy	Science	MIND INSTITUTE (NM)	\$11,418,000		Domenici, Bingaman	
Department of Energy	Science	NATIONAL BIOREPOSITORY-NATIONWIDE CHILDREN'S HOSPITAL (OH)	\$713,625	Pryce, Deborah	Voinovich, Brown	
Department of Energy	Science	NEUROSCIENCE RESEARCH (IL)	\$475,750	Davis, Danny K.	Durbin	
Department of Energy	Science	NEXT GENERATION NEUROIMAGING AT CLEVELAND CLINIC (OH)	\$475,750	Hobson, David L.; Jones, Stephanie Tubbs	Voinovich	

Department of Energy	Science	NORTH DAKOTA STATE UNIVERSITY COMPUTING CAPABILITY (ND)	\$5,709,000	Pomeroy, Earl	Dorgan	
Department of Energy	Science	PIONEER VALLEY LIFE SCIENCES INSTITUTE BIOMEDICAL RESEARCH (MA)	\$475,750	Neal, Richard E.; Olver, John W.	Kennedy, Kerry	
Department of Energy	Science	PROFESSIONAL SCIENCE MASTER'S ADVANCED ENERGY AND FUELS MANAGEMENT PROGRAM (IL)	\$428,175	Costello, Jerry F.		
Department of Energy	Science	PURDUE CALUMET INLAND WATER INSTITUTE (IN)	\$951,500	Visclosky, Peter J.		
Department of Energy	Science	RAPID DETECTION OF CONTAMINANTS IN WATER SUPPLIES USING MAGNETIC RESONANCE AND NANOPARTICLES (MA)	\$1,427,250	Capuano, Michael E.		
Department of Energy	Science	REGENERATIVE MEDICINE (IL)	\$475,750		Durbin	
Department of Energy	Science	RESEARCH INTO PROTON BEAM THERAPY (WA)	\$1,427,250	McDermott, Jim	Murray	
Department of Energy	Science	RNAI RESEARCH, UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, WORCESTER (MA)	\$951,500	McGovern, James P.; Olver, John W.		
Department of Energy	Science	SANDIA NANOTECHNOLOGY ENGINEERING CENTER (NM)	\$4,757,500		Domenici	
Department of Energy	Science	SCANNING NEAR-FIELD ULTRASOUND HOLOGRAPHY (SNFUH) INSTRUMENTATION FOR NON-INVASIVE AND NON-DESTRUCTIVE IMAGING OF NANOPARTICLE INTERACTION WITH CELLS (IL)	\$951,500	Lipinski, Daniel		
Department of Energy	Science	SCIENCE EDUCATION FACILITY RENOVATIONS, OCU (OH)	\$951,500	Hobson, David L.		
Department of Energy	Science	SCIENCE, MATH, AND TECHNOLOGY EDUCATION INITIATIVE, COLLEGE OF ST. ELIZABETH (NJ)	\$475,750	Frelinghuysen, Rodney P.		
Department of Energy	Science	SOUTHERN METHODIST UNIVERSITY ADVANCED PARALLEL PROCESSING CENTER (TX)	\$951,500	Sessions, Pete		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	Science	SPECT IMAGING INSTRUMENTATION RESEARCH INITIATIVE (IL)	\$951,500	Davis, Danny K.		
Department of Energy	Science	ST. THOMAS UNIVERSITY U-CORTE (FL)	\$570,900	Diaz-Balart, Lincoln		
Department of Energy	Science	SUPERCAPACITORS (NY)	\$1,427,250		Schumer	
Department of Energy	Science	SUSTAINABLE BIOFUELS DEVELOPMENT CENTER (CO)	\$1,427,250		Salazar	
Department of Energy	Science	THE NATIONAL ENERGY POLICY INSTITUTE, UNIVERSITY OF TULSA (OK)	\$713,625	Sullivan, John	Inhofe	
Department of Energy	Science	ULTRA-DENSE PORPHYRIM-BASED CAPACITIVE MOLECULAR MEMORY FOR SUPERCOMPUTING (CO)	\$951,500	Tancredo, Thomas G.	Allard	
Department of Energy	Science	UMASS INTEGRATIVE SCIENCE BUILDING (MA)	\$1,903,000	Olver, John W.		
Department of Energy	Science	UNIVERSITY OF THE CUMBERLANDS SCIENCE & TECHNOLOGY COMPLEX (KY)	\$951,500	Rogers, Harold		
Department of Energy	Science	URI CYBERINFRASTRUCTURE (RI)	\$951,500	Langevin, James R.		
Department of Energy	Science	WHITTIER COLLEGE SCIENCE AND MATHEMATICS INITIATIVE (CA)	\$475,750	Sánchez, Linda T.		
Department of Energy	Nuclear Waste Disposal	COOPERATIVE AGREEMENT BETWEEN THE DEPARTMENT OF ENERGY AND INYO COUNTY (CA)	\$1,522,400		Feinstein	
Department of Energy	Nuclear Waste Disposal	INYO COUNTY AFFECTED UNIT OF LOCAL GOVERNMENT (CA)	\$333,025		Feinstein	
Department of Energy	NNSA- Weapons Activities	ADVANCED ENGINEERING ENVIRONMENT FOR SANDIA NATIONAL LAB (MA)	\$1,427,250	Lynch, Stephen F.		