

111TH CONGRESS  
*1st Session*

HOUSE OF REPRESENTATIVES

REPORT  
111-278

ENERGY AND WATER DEVELOPMENT AND  
RELATED AGENCIES APPROPRIATIONS  
ACT, 2010

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CONFERENCE REPORT

TO ACCOMPANY

H.R. 3183



SEPTEMBER 30, 2009.—Ordered to be printed

with the Trust authorized under this section appropriate provisions regarding the repayment of any funds that constitute principal from the Trust Funds.

SEC. 210. Title I of Public Law 108-361 is amended by striking "2010" wherever it appears and inserting "2014" in lieu thereof.

SEC. 211. (a) Section 3405(a)(1)(M) of Public Law 102-575 (106 Stat. 4709) is amended by striking "countries" and inserting "counties".

(b) A transfer of water between a Friant Division contractor and a south-of-Delta CVP agricultural water service contractor, approved during a two-year period beginning on the date of enactment of this Act shall, be deemed to meet the conditions set forth in subparagraphs (A) and (I) of section 3405(a)(1) of Public Law 102-575 (106 Stat. 4709) if the transfer under this clause—

(1) does not interfere with the San Joaquin River Restoration Settlement Act (part I of subtitle A of title X of Public Law 111-11; 123 Stat. 1349) (including the priorities described in section 10004(a)(4)(B) of that Act relating to implementation of paragraph 16 of the Settlement), and the Settlement (as defined in section 10003 of that Act); and

(2) is completed by September 30, 2012.

(c) As soon as practicable after the date of enactment of this Act, the Secretary of the Interior, acting through the Director of the United States Fish and Wildlife Service, shall revise, finalize, and implement the applicable draft recovery plan for the Giant Garter Snake (*Thamnophis gigas*).

### 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, \$2,242,500,000, to remain available until expended: Provided, That funds provided under this heading in this and prior appropriation Acts are available for on-site and off-site improvements for the Ingress/Egress and Traffic Capacity Upgrades project at the National Renewable Energy Laboratory: Provided further, That, of the \$80,000,000 provided under the wind energy subaccount under Energy Efficiency and Renewable Energy, up to \$8,000,000 may be competitively awarded to universities for turbine and equipment purchases for the purposes of studying turbine to turbine wake interaction, wind farm interaction, and wind energy efficiencies, provided that such equipment shall not be used for merchant power production: Provided further, That, of the amount appropriated in this paragraph, \$292,135,000 shall be used for the projects specified in the table that appears under the heading "Congressionally Directed Energy

*Efficiency and Renewable Energy Projects” in the joint explanatory statement accompanying the conference report on this 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, \$171,982,000, to remain available until expended: Provided, That, within the funding available funding the Secretary shall establish an independent national energy sector cyber security organization to institute research, development and deployment priorities, including policies and protocol to ensure the effective deployment of tested and validated technology and software controls to protect the bulk power electric grid and integration of smart grid technology to enhance the security of the electricity grid: Provided further, That within 60 days of enactment, the Secretary shall invite applications from qualified entities for the purpose of forming and governing a national energy sector cyber organization that have the knowledge and capacity to focus cyber security research and development and to identify and disseminate best practices; organize the collection, analysis and dissemination of infrastructure vulnerabilities and threats; work cooperatively with the Department of Energy and other Federal agencies to identify areas where Federal agencies with jurisdiction may best support efforts to enhance security of the bulk power electric grid: Provided further, That, of the amount appropriated in this paragraph, \$13,075,000 shall be used for projects specified in the table that appears under the heading “Congressionally Directed Electricity Delivery and Energy Reliability Projects” in the joint explanatory statement accompanying the conference report on this Act.*

#### NUCLEAR ENERGY

*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 more than 36 passenger motor vehicles, including one ambulance, all for replacement only, \$786,637,000, to remain available until expended: Provided, That, of the amount appropriated in this paragraph, \$2,500,000 shall be used for projects specified in the table that appears under the heading “Congressionally Directed Nuclear Energy Projects” in the joint explanatory statement accompanying the conference report on this Act.*

#### FOSSIL ENERGY RESEARCH AND DEVELOPMENT

*For necessary expenses in carrying out fossil energy research and development activities, under the authority of the Department*

## 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 House and Senate 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 de-obligations must be submitted to the House and Senate Committees on Appropriations in writing and may not be implemented prior to approval by the Committees.

## ENERGY PROGRAMS

### ENERGY EFFICIENCY AND RENEWABLE ENERGY

The conference agreement provides \$2,242,500,000 for Energy Efficiency and Renewable Energy (EERE) programs, instead of \$2,310,000,000 as proposed by the House and \$2,233,967,000 as proposed by the Senate.

*Reporting Requirements.*—The conference agreement does not include a reporting requirement proposed by the House to quantify and track the progress and impact of investments made in the energy efficiency and renewable energy portfolio.

*Hydrogen Technology.*—The conference agreement provides \$174,000,000 for Hydrogen Technology, instead of \$190,000,000 as proposed by the Senate. The House proposed \$153,213,000 for hydrogen and fuel cell technologies under the Fuel Cell Technology and Vehicle Technologies program areas.

These funds shall be used to further program goals with new contracts and continue funding 190 contracts the Department placed at risk in fiscal year 2010 by requesting zero funding for this program. Additionally, fuel cell technology can continue to be pursued under the Hydrogen Technology program in fiscal year 2010 as it has been in the past.

*Fuel Cell Technology.*—The conference agreement provides no funding for Fuel Cell Technology.

*Biomass and Biorefinery Systems Research and Development.*—The conference agreement provides \$220,000,000.

Within available funds, the conferees continue to support grants for the production of advanced biofuels as authorized under section 207 of the Energy Independence and Security Act of 2007 (EISA 2007). The conferees do not specify a funding level.

Within available funds, the conferees direct the Department to provide not less than \$35,000,000 for a comprehensive research, development and deployment strategy focused on algae biofuels.

The conference agreement provides up to \$7,500,000 for coordination with the Vehicle Technologies program to expand and accelerate testing of intermediate fuel blends of ethanol and gasoline, as proposed by the Senate.

*Solar Energy.*—The conference agreement provides \$225,000,000 for solar energy systems. The conferees support the Department's continued investment in the demonstration and deployment of concentrating solar technology. No funding is provided for the Solar Electricity Energy Innovation Hub.

*Wind Energy.*—The conference agreement provides \$80,000,000 for wind energy systems, instead of \$70,000,000 as proposed by the House and \$85,000,000 as proposed by the Senate.

*Geothermal Technology.*—The conference agreement provides \$44,000,000 for geothermal systems.

*Water Power.*—The conference agreement provides \$50,000,000 for Water Power. The conferees direct the Department to apply all of the available increase over the request to expand marine and hydrokinetic research, development, and deployment. Within available funds, the conferees further direct the Department to validate economic and technical viability of a variety of technologies and to provide a written report to the House and Senate Committees on Appropriations on the prospect of each of the technologies. This report shall include the Department's research and development priorities and goals for this program for the next five years.

The conferees direct the Department to utilize its only marine sciences laboratory to undertake a research and development program to expand marine and hydrokinetic renewable energy programs consistent with section 633 of EISA 2007.

The conferees provide not more than \$3,500,000 from within available funds to identify opportunities to increase power generation at conventional hydropower sites. The conferees encourage the Department to focus the assessment on sites not owned by Federal entities.

*Vehicle Technologies.*—The conference agreement provides \$311,365,000 for Vehicle Technologies.

The conference agreement does not include \$40,000,000 for hydrogen transportation systems in the Vehicle Technologies program, as proposed by the House.

Within available funds, \$2,200,000 is provided to the vehicles program for the Department to contract with the National Academy of Sciences to conduct a comprehensive analysis of energy use within the light-duty vehicle transportation sector, and use the analysis to conduct an integrated study of the technology and fuel options that could reduce petroleum consumption and greenhouse gas emissions.

The conferees provide up to \$7,500,000 for coordination with the Biomass program to expand and accelerate testing of intermediate fuel blends of ethanol and gasoline, as proposed by the Senate.

The conference agreement does not include a study on the variety and density of recharging infrastructure options, as proposed by the Senate.

The conference agreement includes \$5,000,000 for natural gas vehicle research and development.

*Building Technologies.*—The conference agreement provides \$200,000,000 for Building Technologies. No funds are provided under this heading for the Energy Efficient Building Systems Design Energy Innovation Hub. From within available funds, the conferees provide \$27,000,000 for solid state lighting research and development.

*Industrial Technologies.*—The conference agreement includes \$96,000,000 for Industrial Technologies. From within available funds, the conferees provide \$500,000 for a comprehensive awareness campaign and training program on how mechanical insulation can improve energy efficiency.

*Federal Energy Management Program.*—The conference agreement provides \$32,000,000 for the Federal Energy Management Program.

*RE-ENERGYSE.*—The conference agreement provides no funding for RE-ENERGYSE.

*Facilities and Infrastructure.*—The conference agreement provides \$63,000,000 for facilities and infrastructure, of which \$44,000,000 is provided for the South Table Mountain Ingress/Egress and Traffic Capacity Upgrades project at the National Renewable Energy Laboratory. The conferees agree with and restate Senate language supporting the use of American Recovery and Reinvestment Act (ARRA) funding for these traffic capacity upgrades. If the Department uses ARRA funds for this project, the conferees support the use of this \$44,000,000 to fund the proposed Fuels from Sunlight and Energy Efficient Building Systems Design Energy Innovation Hubs at \$22,000,000 each.

*Program Direction.*—The conference agreement provides \$140,000,000 for Program Direction.

*Program Support.*—The conference agreement provides \$45,000,000 for Program Support. Within these funds, the Department is directed to provide \$10,000,000 for the International Renewable Energy Program, to include \$2,000,000 for the U.S.-Israeli energy cooperation agreement.

While the conferees support strategic and policy analysis capabilities within the Department to guide investment decisions and support policymaker decisions, these capabilities should be located in the Department-wide policy office rather than within each program office.

The conferees also agree with the importance of commercialization efforts to ensure that innovations within national and other research laboratories enter the marketplace. Therefore, the conferees encourage the Department to develop an agency-wide commercialization strategy and capability rather than developing piecemeal solutions within individual program offices.

*Weatherization Assistance.*—The conference agreement provides \$210,000,000 for weatherization assistance program grants, of which \$3,300,000 shall be for training and technical assistance.

The conference agreement provides \$30,000,000 from within available funds for the development of a pilot project that would increase the leverage of Federal funding through the formation of partnerships between the Department and traditional and/or non-traditional weatherization providers.

The conference agreement does not include funding to develop a pilot program demonstrating energy savings through use of improved insulating and sealing in homes built prior to 1980.

*State Energy Program.*—The conference agreement provides \$50,000,000 for the State Energy Program.

*Tribal Energy Activities.*—The conference agreement provides \$10,000,000 for Tribal Energy Activities.

*Congressionally Directed Projects.*—The conference agreement provides \$292,135,000 for the following congressionally directed projects and activities. The agency should remind recipients that statutory cost-sharing requirements may apply to these projects.

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Bureau of Reclamation	General Provisions	SECTION 206— DESERT TERMINAL LAKES PROGRAM	.....		Reid
Bureau of Reclamation	General Provisions	SECTION 207— DESERT TERMINAL LAKES PROGRAM	.....		Reid
Bureau of Reclamation	General Provisions	SECTION 208— DESERT TERMINAL LAKES PROGRAM	.....		Reid
Bureau of Reclamation	General Provisions	SECTION 209— NORTH DAKOTA NATURAL RESOURCES TRUST	.....		Dorgan
Bureau of Reclamation	General Provisions	SECTION 210— CALFED BAY-DELTA	.....		Feinstein
Bureau of Reclamation	General Provisions	SECTION 211— CALIFORNIA WATER TRANSFERS	.....		Feinstein, Boxer
Department of Energy	EERE	21ST CENTURY RENEWABLE FUELS, ENERGY, AND MATERIALS INITIATIVE (M)	\$1,250,000	Kildee	Levin, Stabenow
Department of Energy	EERE	A123 SYSTEMS LARGE FORMAT NANOPHOSPHATE BATTERIES FOR SOLAR ENERGY STORAGE (M)	\$1,000,000		Levin, Stabenow
Department of Energy	EERE	ADVANCED AUTOMOTIVE FUELS RESEARCH, DEVELOPMENT, & COMMERCIALIZATION CLUSTER	\$1,000,000	Ryan (OH)	
Department of Energy	EERE	ADVANCED BATTERY MANUFACTURING	\$200,000	Perriello	
Department of Energy	EERE	ADVANCED POWER CUBE FOR WIND POWER AND GRID REGULATION SERVICES	\$500,000	Dent; Holden	Specter
Department of Energy	EERE	AGRI-BUSINESS ENERGY INDEPENDENCE DEMONSTRATION, NY	\$80,000	Arcuri	
Department of Energy	EERE	ALABAMA INSTITUTE FOR DEAF AND BLIND BIODIESEL PROJECT GREEN	\$300,000	Rogers (AL)	

Department of Energy	EERE	ALGAE BIOFUELS RESEARCH (WA)	\$2,000,000	Inslee	Murray, Cantwell
Department of Energy	EERE	ALGAE TO ETHANOL RESEARCH AND EVALUATION (NJ)	\$750,000		Lautenberg, Menendez
Department of Energy	EERE	ALGAL-BASED RENEWABLE ENERGY FOR NEVADA (NV)	\$800,000		Reid
Department of Energy	EERE	ALTERNATIVE AND UNCONVENTIONAL ENERGY RESEARCH AND DEVELOPMENT (UT)	\$10,000,000		Bennett
Department of Energy	EERE	ALTERNATIVE ENERGY SCHOOL OF THE FUTURE	\$1,200,000	Berkley, Titus	Reid
Department of Energy	EERE	ALTERNATIVE ENERGY TRAINING INSTITUTE	\$500,000	McKeon	
Department of Energy	EERE	ALTERNATIVE FUEL BUS PROJECT, SCHAGHTICOKE, NY	\$300,000	Murphy (NY)	
Department of Energy	EERE	AUBURN UNIVERSITY, BIOMASS TO LIQUID FUELS AND ELECTRIC POWER RESEARCH	\$1,500,000	Bonner; Rogers (AL)	Sessions
Department of Energy	EERE	BAYVIEW GAS TO ENERGY PROJECT (UT)	\$1,000,000		Bennett
Department of Energy	EERE	BEN FRANKLIN TECHNOLOGY PARTNERS— CLEAN TECHNOLOGY COMMERCIALIZATION INITIATIVE (PA)	\$500,000	Brady (PA)	Spector, Casey
Department of Energy	EERE	BEXAR COUNTY SOLAR COLLECTION FARM AND DISTRIBUTION SYSTEM	\$1,000,000	Gonzalez; Smith (TX)	
Department of Energy	EERE	BIO ENERGY INITIATIVE FOR CONNECTICUT	\$1,500,000	DeLauro	Lieberman
Department of Energy	EERE	BIODIESEL BLENDING (WI)	\$600,000		Kohl
Department of Energy	EERE	BIODIESEL FEEDSTOCK DEVELOPMENT INITIATIVE (MO)	\$1,000,000		Bond
Department of Energy	EERE	BIODIESEL PRODUCTION FROM GREASE WASTE	\$250,000	Bono Mack	
Department of Energy	EERE	BIOENERGY/BIONANOTECHNOLOGY PROJECTS	\$500,000	Alexander	
Department of Energy	EERE	BIOFUEL MICRO-REFINERIES FOR LOCAL SUSTAINABILITY	\$500,000	Cohen	
Department of Energy	EERE	BIOFUELS CAMPUS FOR ACCELERATED DEVELOPMENT	\$500,000	Butterfield	

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	BIOFUELS RESEARCH LABORATORY	\$1,000,000	Guthrie	
Department of Energy	EERE	BIOFUELS, BIOPOWER AND BIOMATERIALS INITIATIVE	\$1,250,000	Kingston; Scott (GA)	
Department of Energy	EERE	BIOMASS ENERGY RESOURCES CENTER (VT)	\$1,000,000		Leahy
Department of Energy	EERE	BIOPROCESSES RESEARCH AND DEVELOPMENT, MCHIGAN BIOTECHNOLOGY INSTITUTE, LANSING, MI	\$500,000	Rogers (MI)	
Department of Energy	EERE	BLACK HILLS STATE HEATING AND COOLING PLANT (SD)	\$1,000,000	Herseht Sandlin	Johnson, Thune
Department of Energy	EERE	BOULDER SMARTGRIDCITY— PLUG-IN ELECTRIC HYBRID VEHICLES	\$500,000	Pdais	
Department of Energy	EERE	BRIDGE HYDRO-TURBINE STUDY	\$150,000	Blumenauer; Wu	Merkley, Wyden
Department of Energy	EERE	BROOKSTON WIND TURBINES STUDY, BROOKSTON, IN	\$75,000	Buyer	
Department of Energy	EERE	CALIFORNIA POLYTECHNIC STATE UNIVERSITY CENTER FOR RENEWABLE ENERGY AND ALTERNATIVE ELECTRIC TRANSPORTATION TECHNOLOGIES EQUIPMENT ACQUISITION	\$250,000	McCarthy (CA)	Boxer
Department of Energy	EERE	CELLULOSIC DIESEL BIOREFINERY (NJ)	\$1,000,000	Holt; Rothman (NJ)	Lautenberg, Menendez
Department of Energy	EERE	CENTER FOR APPLIED ALTERNATIVE ENERGY, SUSTAINABLE & PRACTICES	\$500,000	Buchanan	
Department of Energy	EERE	CENTER FOR BIOMASS UTILIZATION (ND)	\$7,000,000	Pomeroy	Dorgan, Conrad
Department of Energy	EERE	CENTER FOR ENERGY STORAGE RESEARCH	\$1,000,000	Johnson, Sam	

Department of Energy	EERE	CENTER FOR ENVIROMENTAL AND ENERGY RESEARCH	\$250,000	Massa	
Department of Energy	EERE	CENTER FOR NANOSCALE ENERGY (ND)	\$5,000,000	Pomeroy	Dorgan, Conrad
Department of Energy	EERE	CENTER FOR OCEAN RENEWABLE ENERGY (NH)	\$750,000		Shaheen
Department of Energy	EERE	CENTRAL CORRIDOR ENERGY DISTRICT INTEGRATION STUDY	\$500,000	McColum	Klobuchar
Department of Energy	EERE	CENTRAL PIEDMONT COMMUNITY COLLEGE	\$525,000	Kissell; Watt	Hagan
Department of Energy	EERE	CENTRAL VERMONT RECOVERED BIOMASS FACILITY (VT)	\$500,000		Leahy
Department of Energy	EERE	CHRISTMAS VALLEY RENEWABLE ENERGY DEVELOPMENT	\$410,000	Walden	
Department of Energy	EERE	CITY HALL LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED) CERTIFICATION	\$500,000	Diaz-Balart, Mario	
Department of Energy	EERE	CITY OF BOISE GEOTHERMAL EXPANSION TO BOISE STATE UNIVERSITY	\$1,000,000	Simpson	Crapo, Risch
Department of Energy	EERE	CITY OF GRAND RAPIDS SOLAR ROOF DEMONSTRATION PROJECT	\$250,000	Ehlers	Levin, Stabenow
Department of Energy	EERE	CITY OF NORCO WASTE-TO-ENERGY FACILITY	\$750,000	Calvert	
Department of Energy	EERE	CITY OF OAKDALE ENERGY EFFICIENCY UPGRADES	\$400,000	McColum	Klobuchar
Department of Energy	EERE	CITY OF REDLANDS FACILITIES UPGRADES TO IMPROVE ENERGY EFFICIENCY	\$900,000	Lewis (CA)	
Department of Energy	EERE	CITY OF TALLAHASSEE INNOVATIVE ENERGY INITIATIVES	\$250,000	Crenshaw	
Department of Energy	EERE	CITY OF WINTER GARDEN WEATHERIZATION DEMONSTRATION PROJECT	\$200,000	Grayson	
Department of Energy	EERE	CLEAN POWER ENERGY RESEARCH CONSORTIUM (CPERC)	\$1,000,000	Caq; Melancon	Landrieu
Department of Energy	EERE	CLEMSON UNIVERSITY CELLULOSIC BIOFUEL PILOT PLANT	\$1,000,000	Barrett (SC); Inglis	

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	CLOUD COUNTY COMMUNITY COLLEGE RENEWABLE ENERGY CENTER OF EXCELLENCE	\$750,000	Mbran (KS)	
Department of Energy	EERE	COASTAL OHIO WIND PROJECT: REMOVING BARRIERS TO GREAT LAKES OFFSHORE WIND ENERGY DEVELOPMENT	\$1,000,000	Kaptur; Latta	
Department of Energy	EERE	COMMERCIAL BUILDING ENERGY EFFICIENCY DEMONSTRATION (IL)	\$500,000		Durbin
Department of Energy	EERE	COMPREHENSIVE WIND ENERGY PROGRAM, PURDUE UNIVERSITY-CALUMET, IN	\$500,000	Visclosky	
Department of Energy	EERE	COMPRESSED NATURAL GAS FUELING FACILITY	\$700,000	Blunt	
Department of Energy	EERE	CONCENTRATOR PHOTOVOLTAIC TECHNOLOGY	\$900,000	Giffords	
Department of Energy	EERE	CONSOLIDATED ALTERNATIVE FUELS RESEARCH	\$250,000	Lucas	Inhofe
Department of Energy	EERE	CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH	\$3,000,000	Abercrombie; Bishop (GA); Conyers; Etheridge; Lewis (GA); Miller (NC); Price (NC); Rogers (KY); Rogers (M); Rothman (NJ); Stupak	Hagen, Lautenberg, Levin, Lugar, Stabenow
Department of Energy	EERE	CONTROLLED ENVIRONMENTAL AGRICULTURE AND ENERGY PROJECT	\$200,000	McHugh	
Department of Energy	EERE	COOLING, HEATING AND POWER (MICRO-CHP) AND BIO-FUEL APPLICATION CENTER (MS)	\$2,000,000		Cochran, Wicker
Department of Energy	EERE	CREIGHTON UNIVERSITY TRAINING & RESEARCH IN SOLAR POWER	\$1,200,000	Terry	Ben Nelson

Department of Energy	EERE	DAEMEN COLLEGE ALTERNATIVE ENERGY/GEOTHERMAL TECHNOLOGIES DEMONSTRATION PROGRAM, ERIE COUNTY, NY	\$950,000	Lee (NY)	Gillibrand, Schumer
Department of Energy	EERE	DEDHAM MUNICIPAL SOLAR PROJECT	\$500,000	Lynch	
Department of Energy	EERE	DEMONSTRATION PLANT FOR BIODIESEL FUELS FROM LOW-IMPACT CROPS	\$500,000	Schock	
Department of Energy	EERE	DESIGN AND IMPLEMENTATION OF GEOTHERMAL ENERGY SYSTEMS AT WEST CHESTER UNIVERSITY	\$300,000	Sestak	
Department of Energy	EERE	DEVELOPMENT OF AN ECONOMIC AND EFFICIENT BIODIESEL PRODUCTION PROCESS (NC)	\$750,000	McIntyre	Hagan
Department of Energy	EERE	DEVELOPMENT OF BIOFUELS USING IONIC TRANSFER MEMBRANES (NV)	\$1,500,000		Reid
Department of Energy	EERE	DEVELOPMENT OF HIGH YIELD FEEDSTOCK AND BIOMASS CONVERSION TECHNOLOGY FOR DEVELOPMENT OF HIGH YIELD TROPICAL FEEDSTOCKS AND BIOMASS CONVERSION (HI)	\$6,000,000	Hirono	Inouye
Department of Energy	EERE	DEVELOPMENT OF POLLUTION PREVENTION TECHNOLOGIES	\$900,000	Clarke; Meeks (NY); Towns; Weiner	Gillibrand, Schumer
Department of Energy	EERE	DRI RENEWABLE ENERGY CENTER (REC) (NV)	\$500,000	Berkley	Reid
Department of Energy	EERE	EAST KENTUCKY BIOENERGY CAPACITY ASSESSMENT PROJECT	\$250,000	Rogers (KY)	
Department of Energy	EERE	EASTERN ILLINOIS UNIVERSITY BIOMASS PLANT	\$1,000,000	Johnson (IL)	
Department of Energy	EERE	ENERGY AUDIT, EFFICIENCY IMPROVEMENTS, AND RENEWABLE ENERGY INSTALLATIONS, TOWNSHIP OF BRANCHBURG, NJ	\$1,000,000	Lance	
Department of Energy	EERE	ENERGY CONSERVATION AND EFFICIENCY UPGRADE OF HVAC CONTROLS	\$500,000	Maloney	

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	ENERGY CONSERVATION UPGRADES, INGHAM REGIONAL MEDICAL CENTER, LANSING, MI	\$250,000	Rogers (MI)	
Department of Energy	EERE	ENERGY EFFICIENCY ENHANCEMENTS	\$250,000	Aderholt	
Department of Energy	EERE	ENERGY EFFICIENCY REPAIRS AND AIR QUALITY IMPROVEMENTS AT LYONSDALE BIOMASS	\$500,000	McHugh	
Department of Energy	EERE	ENERGY EFFICIENCY UPGRADES, NEW ROCHELLE, NY	\$1,000,000	Lowey	
Department of Energy	EERE	ENERGY REDUCTION AND EFFICIENCY IMPROVEMENT THROUGH LIGHTING CONTROL	\$120,000	Dent	
Department of Energy	EERE	ENERGY SAVING RETROFITTING FOR THE CFCC MAIN CAMPUS	\$300,000	Stearns	
Department of Energy	EERE	ENERGY STORAGE/CONSERVATION AND CARBON EMISSIONS REDUCTION DEMONSTRATION PROJECT (MA)	\$400,000		Kennedy, Kerry
Department of Energy	EERE	ENERGY-EFFICIENT INNOVATIONS FOR HEALTHY BUILDINGS	\$500,000	Maffei	
Department of Energy	EERE	ENGENUITYSC COMMERCIALIZATION AND ENTREPRENEURIAL TRAINING PROJECT (SC)	\$500,000		Graham
Department of Energy	EERE	ENVIRONMENTAL IMPACT PROTOCOLS FOR TIDAL POWER	\$1,000,000	Mchaud; Pingree (ME)	Collins, Snowe
Department of Energy	EERE	ETHANOL FROM AGRICULTURE	\$500,000	Berry	Lincoln, Pryor
Department of Energy	EERE	FAIRBANKS GEOTHERMAL ENERGY PROJECT	\$1,000,000	Young (AK)	Murkowski, Begich
Department of Energy	EERE	FAIRVIEW DEPARTMENT OF PUBLIC WORKS BUILDING AND SITE IMPROVEMENTS	\$500,000	Rothman (NJ)	

Department of Energy	EERE	FALLON PAIUTE-SHOSHONE TRIBE DEMONSTRATION ENERGY PARK (NV)	\$200,000		Reid
Department of Energy	EERE	FARM DEPLOYABLE MICROBIAL BIOREACTOR FOR FUEL ETHANOL PRODUCTION	\$800,000	Aderholt; Bright	Sessions
Department of Energy	EERE	FAST CHARGING ELECTRIC VEHICLE DEMONSTRATION PROJECT IN CHARLOTTESVILLE, VIRGINIA	\$500,000	Perriello	
Department of Energy	EERE	FEASIBILITY STUDY AND DESIGN OF BRIGHTFIELD SOLAR FARM	\$200,000	Sestak	
Department of Energy	EERE	FLORIDA RENEWABLE ENERGY PROGRAM	\$1,000,000	Putnam	
Department of Energy	EERE	FLUID FLOW OPTIMIZATION OF AEROGEL BLANKET PROCESS PROJECT (MA)	\$300,000	McGovern	Kennedy, Kerry
Department of Energy	EERE	FORT MASON CENTER PIER 2 PROJECT	\$2,000,000	Pelosi	
Department of Energy	EERE	GADSDEN STATE COMMUNITY COLLEGE GREEN OPERATIONS PLAN	\$75,000	Aderholt	
Department of Energy	EERE	GAS HEAT PUMP COOPERATIVE TRAINING PROGRAM (NV)	\$250,000		Reid
Department of Energy	EERE	GENETIC IMPROVEMENT OF SWITCHGRASS (RI)	\$1,500,000		Reed
Department of Energy	EERE	GEORGETOWN SOUTH COMMERCIAL PARK, PHOTOVOLTAIC GENERATION FACILITY	\$100,000	Carter	
Department of Energy	EERE	GEORGIA SOUTHERN UNIVERSITY BIODIESEL RESEARCH	\$250,000	Kingston	Chambliss
Department of Energy	EERE	GEOHERMAL DEVELOPMENT IN HOT SPRINGS VALLEY	\$491,000	Rehberg	
Department of Energy	EERE	GEOHERMAL POWER GENERATION PLANT AT OREGON INSTITUTE OF TECHNOLOGY	\$1,000,000	Walden; Wu	Merkley, Wyden
Department of Energy	EERE	GLOBAL GREEN NEW ORLEANS— HOLY CROSS PROJECT	\$550,000	Cao	Landrieu, Vitter

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	GOGEBIC COMMUNITY COLLEGE (GCC), CAMPUS ENERGY EFFICIENT AND WEATHERIZATION UPGRADE	\$300,000	Stupak	
Department of Energy	EERE	GREAT BASIN COLLEGE DIRECT-USE GEOTHERMAL DEMONSTRATION PROJECT (NV)	\$1,000,000		Reid
Department of Energy	EERE	GREAT LAKES INSTITUTE FOR ENERGY INNOVATION	\$1,000,000	Fudge; LaTourette	Voinovich, Brown
Department of Energy	EERE	GREAT PLAINS WIND POWER TEST FACILITY, TEXAS TECH UNIVERSITY, LUBBOCK, TX (TX)	\$2,000,000	Neugebauer	Hutchison, Cornyn
Department of Energy	EERE	GREEN BUILDING RESEARCH LABORATORY	\$1,000,000	Wu	Merkley, Wyden
Department of Energy	EERE	GREEN BUILDINGS/RETROFITTING	\$350,000	Forbes	
Department of Energy	EERE	GREEN FUELS DEPOT	\$1,500,000	Biggert	
Department of Energy	EERE	GREEN ROOF DEMONSTRATION PROJECT	\$600,000	Sauder	
Department of Energy	EERE	GREEN ROOF FOR THE DUPAGE COUNTY ADMINISTRATION BUILDING	\$250,000	Roskam	
Department of Energy	EERE	GREENFIELD COMMUNITY COLLEGE HYBRID GEO-THERMAL PROJECT	\$525,000	Olver	
Department of Energy	EERE	HARDIN COUNTY GENERAL HOSPITAL ENERGY EFFICIENCY UPGRADES	\$500,000	Shimkus	
Department of Energy	EERE	HAWAII ENERGY SUSTAINABILITY PROGRAM (HI)	\$6,000,000	Hirono	Inouye, Akaka
Department of Energy	EERE	HAWAII RENEWABLE ENERGY DEVELOPMENT VENTURE (HI)	\$6,000,000		Inouye

Department of Energy	EERE	HENDERSON, SOLAR ENERGY PROJECT	\$500,000	Titus	Reid
Department of Energy	EERE	HIGH PENETRATION WIND POWER IN TATITLEK	\$900,000	Young (AK)	Begich
Department of Energy	EERE	HIGH SPEED WIND TURBINE NOISE MODEL WITH SUPPRESSION (MS)	\$1,000,000		Cochran, Wicker
Department of Energy	EERE	HIGH TEMPERATURE HYDROGEN GENERATION SYSTEMS	\$300,000	Inglis	
Department of Energy	EERE	HOSPITAL LIGHTING RETROFIT	\$500,000	Rush	
Department of Energy	EERE	HOUSATONIC RIVER NET-ZERO-ENERGY BUILDING	\$1,000,000	Olver	
Department of Energy	EERE	HULL MUNICIPAL LIGHT PLANT OFFSHORE WIND PROJECT	\$750,000	Delahunt	
Department of Energy	EERE	HYDROGEN PRODUCTION AND DELIVERY TECHNOLOGY (CT)	\$500,000		Dodd, Lieberman
Department of Energy	EERE	HYPERCAST R&D FUNDING FOR VEHICLE ENERGY EFFICIENCY (CO)	\$750,000		Bennet
Department of Energy	EERE	ILLINOIS COMMUNITY COLLEGE SUSTAINABILITY NETWORK	\$250,000	Costello; Halvorson; Jackson (IL); Johnson (IL); Schakowsky; Schock	
Department of Energy	EERE	ILLINOIS ENERGY RESOURCES CENTER AT THE UNIVERSITY OF ILLINOIS AT CHICAGO	\$400,000	Lipinski	
Department of Energy	EERE	IMPROVING FUEL CELL DURABILITY AND RELIABILITY INITIATIVE	\$2,500,000	Courtney; Larson (CT)	Dodd
Department of Energy	EERE	INDEPENDENT ENERGY COMMUNITY RENEWABLE POWER SYSTEM (UT)	\$1,000,000		Bennett
Department of Energy	EERE	INSTALLATION OF A SOLAR CANOPY	\$534,000	Olver	
Department of Energy	EERE	INSTITUTE FOR SUSTAINABLE ENERGY	\$1,000,000	Bachus; Davis (AL)	Sessions
Department of Energy	EERE	INTEGRATED BIOMASS REFINING INSTITUTE	\$1,000,000	Etheridge; Price (NC)	Hagan

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	INTEGRATED POWER FOR MICROSYSTEMS	\$250,000	Lee (NY)	
Department of Energy	EERE	INTEGRATED RENEWABLE ENERGY & CAMPUS SUSTAINABILITY INITIATIVE	\$750,000	Latham	Grassley
Department of Energy	EERE	IOWA CENTRAL RENEWABLE FUEL TESTING LABORATORY	\$750,000	Latham	Harkin, Grassley
Department of Energy	EERE	ISSAQUAH HIGHLANDS ZERO ENERGY AFFORDABLE HOUSING	\$500,000	Reichert	
Department of Energy	EERE	JENKS ENERGY MANAGEMENT EQUIPMENT	\$250,000	Sullivan	
Department of Energy	EERE	JUNIATA HYBRID LOCOMOTIVE	\$1,000,000	Shuster	
Department of Energy	EERE	KANSAS STATE UNIVERSITY CENTER FOR SUSTAINABLE ENERGY	\$500,000	Mbran (KS)	Brownback
Department of Energy	EERE	LA FERIA SOLAR LIGHTING INITIATIVE	\$500,000	Hinojosa	
Department of Energy	EERE	LANCASTER LANDFILL SOLAR FACILITY	\$500,000	Tsongas	
Department of Energy	EERE	LANE COMMUNITY COLLEGE ENERGY DEMONSTRATION BUILDING (OR)	\$550,000		Wyden, Merkley
Department of Energy	EERE	LARGE-SCALE WIND TRAINING PROGRAM HUDSON VALLEY COMMUNITY COLLEGE, TROY, NY	\$300,000	Murphy (NY)	Schumer
Department of Energy	EERE	LIGNOCELLULOSIC BIOFUELS FROM NEW BIOENERGY CROPS	\$1,000,000	Edwards (TX)	
Department of Energy	EERE	LONG ISLAND 50 MW SOLAR INITIATIVE	\$1,750,000	Israel	
Department of Energy	EERE	LONG ISLAND BIOFUELS ALLIANCE	\$2,750,000	Israel	

Department of Energy	EERE	LOW COST PRODUCTION OF THIN-FILM PHOTOVOLTAIC (PV) CELLS (PA)	\$1,200,000	Platts	Specter
Department of Energy	EERE	MARET CENTER	\$1,500,000	Blunt	
Department of Energy	EERE	MARINE ENERGY TECHNOLOGY (WA)	\$1,750,000	Dicks	Murray
Department of Energy	EERE	MARINE RENEWABLE ENERGY CENTER	\$750,000	Delahunt; Frank (MA); McGovern	
Department of Energy	EERE	MAM CHILDREN'S MUSEUM GOING GREEN INITIATIVE	\$1,000,000	Ros-Lehtinen	
Department of Energy	EERE	MDSOUTH/SOUTHEAST BIOENERGY CONSORTIUM (AR)	\$1,000,000	Berry; Boozman	Lincoln, Pryor
Department of Energy	EERE	MLL SEAT LANDFILL BIOREACTOR RENEWABLE GREEN POWER PROJECT	\$1,000,000	Lee (NY)	Gillibrand
Department of Energy	EERE	MONTANA ALGAL BIODIESEL INITIATIVE (MT)	\$500,000	Rehberg	Baucus, Tester
Department of Energy	EERE	MONTANA BIO-ENERGY CENTER OF EXCELLENCE (MT)	\$2,250,000		Baucus, Tester
Department of Energy	EERE	MORRIS COUNTY RENEWABLE ENERGY INITIATIVE	\$2,000,000	Frelinghuysen	
Department of Energy	EERE	MOVING TOWARD AN ENERGY EFFICIENT CAMPUS AT WHEELOCK COLLEGE	\$400,000	Capuano	
Department of Energy	EERE	MT. WACHUSETT COMMUNITY COLLEGE WIND PROJECT	\$1,000,000	Olver	
Department of Energy	EERE	MULTI-HYBRID POWER VEHICLES WITH COST EFFECTIVE AND DURABLE POLYMER ELECTROLYTE MEMBRANE FUEL CELL AND LITHIUM ION BATTERY FOR OHIO UNIVERSITY	\$600,000	Wilson (OH)	
Department of Energy	EERE	MUNICIPAL BUILDING ENERGY EFFICIENT WINDOW REPLACEMENT PROGRAM	\$180,000	Lance	Lautenberg, Menendez
Department of Energy	EERE	MUNICIPAL COMPLEX SOLAR POWER PROJECT	\$200,000	Sires	
Department of Energy	EERE	NANOSTRUCTURED MATERIALS FOR ENERGY	\$1,000,000	Miller (NC)	

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	NANOSTRUCTURED MATERIALS FOR IMPROVED PHOTOVOLTAICS (MS)	\$1,000,000		Cochran
Department of Energy	EERE	NATIONAL CENTER OF EXCELLENCE IN ENERGY STORAGE TECHNOLOGY	\$1,000,000	Kilroy	Voinovich
Department of Energy	EERE	NATIONAL OFFSHORE WIND ENERGY CENTER	\$2,000,000	Green, Al; Green, Gene; Jackson-Lee (TX)	Hutchison
Department of Energy	EERE	NATIONAL OPEN-OCEAN ENERGY LABORATORY	\$2,000,000	Klein (FL); Wasserman Schultz; Wexler	Bill Nelson, Martinez
Department of Energy	EERE	NCMS	\$900,000	Dingell	
Department of Energy	EERE	NEAR ZERO CARBON FOOTPRINT ENERGY CREATION THROUGH THERMAL OXIDATION (PA)	\$1,000,000		Specter
Department of Energy	EERE	NEIGHBORHOOD WEATHERIZATION COLLABORATIVE	\$500,000	DeGette	
Department of Energy	EERE	NEVADA RENEWABLE ENERGY INTEGRATION AND DEVELOPMENT CONSORTIUM (NV)	\$3,000,000		Reid
Department of Energy	EERE	NEWARK MUSEUM ALTERNATIVE ENERGY ENHANCEMENT PROGRAM	\$500,000	Frelinghuysen; Payne	
Department of Energy	EERE	NEXT GENERATION COMPOSITE WIND BLADE MANUFACTURING TECHNOLOGIES	\$250,000	Mchaud; Pingree (ME)	Collins, Snowe
Department of Energy	EERE	NEXT GENERATION WIND TURBINE	\$1,000,000	Neal	Kennedy, Kerry
Department of Energy	EERE	NIREC— NEVADA INSTITUTE FOR RENEWABLE ENERGY COMMERCIALIZATION (NV)	\$1,000,000		Reid

Department of Energy	EERE	NORTHERN ILLINOIS UNIVERSITY TRANSPORTATION ENERGY PROGRAM	\$1,000,000	Lipinski	
Department of Energy	EERE	NORTHERN NEVADA RENEWABLE ENERGY TRAINING PROJECT (NV)	\$500,000		Reid
Department of Energy	EERE	NORMCH COGENERATION INITIATIVE (CT)	\$750,000		Dodd, Lieberman
Department of Energy	EERE	NOVEL PHOTOCATALYTIC METAL OXIDES (NE)	\$250,000		Ben Nelson
Department of Energy	EERE	NTRCI LEGACY ENGINE DEMONSTRATION PROJECT	\$500,000	Duncan	
Department of Energy	EERE	NY STATE CENTER FOR ADVANCED FERRITE PRODUCTION	\$300,000	McHugh	
Department of Energy	EERE	OAKLAND UNIVERSITY ALTERNATIVE ENERGY EDUCATION	\$500,000	Peters	Levin, Stabenow
Department of Energy	EERE	OFFSHORE WIND INITIATIVE (ME)	\$5,000,000	Mchaid; Pingree (ME)	Collins, Snowe
Department of Energy	EERE	OFFSHORE WIND PROJECT STUDY	\$500,000	Ackerman	
Department of Energy	EERE	OHIO ADVANCED ENERGY MANUFACTURING CENTER (OH)	\$500,000	Kilroy	Brown
Department of Energy	EERE	ORANGE COUNTY SOLAR DEMONSTRATION & RESEARCH FACILITY	\$300,000	Grayson	Martinez
Department of Energy	EERE	OREGON SOLAR HIGHWAY— INNOVATIVE USE OF SOLAR TECHNOLOGY (OR)	\$1,000,000		Wyden, Merkley
Department of Energy	EERE	OU CENTER FOR BIOMASS REFINING	\$500,000	Cole	
Department of Energy	EERE	PASSIVE NOX REMOVAL CATALYST RESEARCH, NOTRE DAME UNIVERSITY, IN	\$900,000	Visclosky	
Department of Energy	EERE	PERU ELECTRICAL DEPARTMENT WIND TURBINE GENERATION	\$1,000,000	Halvorson	
Department of Energy	EERE	PHIPPS CONSERVATORY CTI WASTE-TO-ENERGY PROJECT	\$500,000	Murphy, Tim	

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	PHOENIX CHILDREN'S HOSPITAL CENTRAL ENERGY PLANT EXPANSION	\$2,000,000	Pastor (AZ)	
Department of Energy	EERE	PHOTOVOLTAIC POWER ELECTRONICS RESEARCH INITIATIVE (PERI)	\$700,000	Brown, Corrine; Kosmas	
Department of Energy	EERE	PITTSBURGH GREEN INNOVATORS	\$1,500,000	Doyle	
Department of Energy	EERE	PLACER COUNTY BIOMASS UTILIZATION PILOT PROJECT (CA)	\$1,000,000		Feinstein
Department of Energy	EERE	PLUG-IN HYBRID INITIATIVE	\$750,000	Schauer	Levin, Stabenow
Department of Energy	EERE	PORT OF GALVESTON SOLAR ENERGY PROJECT	\$250,000	Paul	
Department of Energy	EERE	PROTOTYPING AND DEVELOPMENT OF COMMERCIAL NANO-CRYSTALLINE THIN FILM SILICON FOR PHOTOVOLTAIC MANUFACTURING	\$500,000	Tonko	Gillibrand
Department of Energy	EERE	PURDUE SOLAR ENERGY UTILIZATION LABORATORY, WEST LAFAYETTE, IN	\$425,000	Buyer	
Department of Energy	EERE	R & D OF CLEAN VEHICLE TECHNOLOGY	\$1,000,000	Ryan (OH); Sutton	
Department of Energy	EERE	RENEWABLE ENERGY CENTER	\$750,000	Butterfield; Watt	Hagan
Department of Energy	EERE	RENEWABLE ENERGY CLEAN AIR PROJECT (RECAP) (MN)	\$1,000,000		Klobuchar
Department of Energy	EERE	RENEWABLE ENERGY DEMONSTRATION (IL)	\$500,000		Durbin
Department of Energy	EERE	RENEWABLE ENERGY FEASIBILITY STUDY AND RESOURCES ASSESSMENT (NV)	\$500,000		Reid

Department of Energy	EERE	RENEWABLE ENERGY INITIATIVE (IL)	\$500,000		Durbin
Department of Energy	EERE	RENEWABLE ENERGY INITIATIVES FOR CLARK COUNTY, NEVADA PARKS AND RECREATION (NV)	\$1,000,000		Reid
Department of Energy	EERE	RENEWABLE ENERGY/DISASTER BACKUP SYSTEM FOR HAWAII RED CROSS HEADQUARTERS BUILDING	\$240,000	Abercrombie; Hirono	Akaka
Department of Energy	EERE	RESEARCH AND DEVELOPMENT OF LIQUID CARRIERS FOR HYDROGEN ENERGY	\$500,000	Reichert	
Department of Energy	EERE	RESEARCH ON FUEL CELL POWERED BY HYDROGEN PRODUCTION FROM BIOMASS TO PROVIDE CLEAN ENERGY FOR REMOTE FARMS AWAY FROM ELECTRIC GRIDS (NY)	\$675,000		Schumer, Gillibrand
Department of Energy	EERE	RICHLAND COMMUNITY COLLEGE BIOENERGY PROGRAM	\$500,000	Johnson (IL)	
Department of Energy	EERE	RUNNING SPRINGS RETREAT CENTER SOLAR UPGRADE	\$1,000,000	Lewis (CA)	
Department of Energy	EERE	SAINT JOSEPH'S UNIVERSITY INSTITUTE FOR ENVIRONMENTAL STEWARDSHIP	\$1,000,000	Brady (PA); Fattah	
Department of Energy	EERE	SAN DIEGO CENTER FOR ALGAE BIOTECHNOLOGY (SD-CAB)	\$750,000	Bilbray; Davis (CA)	
Department of Energy	EERE	SAN FRANCISCO ELECTRIC VEHICLE INITIATIVE	\$1,000,000	Pelosi	Boxer
Department of Energy	EERE	SHENANDOAH VALLEY AS A NATIONAL DEMONSTRATION PROJECT ACHIEVING 25 PERCENT RENEWABLE ENERGY BY THE YEAR 2025 (VA)	\$750,000		Webb, Warner
Department of Energy	EERE	SHOW ME ENERGY COOPERATIVE BIOMASS DEVELOPMENT	\$900,000	Skelton	
Department of Energy	EERE	SMART ENERGY PROGRAM (CT)	\$500,000	Larson (CT)	Dodd, Lieberman
Department of Energy	EERE	SOLAR COMPACTOR ENERGY EFFICIENCY RESEARCH DEMONSTRATION PROJECT (MA)	\$300,000		Kennedy, Kerry
Department of Energy	EERE	SOLAR ELECTRIC POWER FOR NONSECTARIAN EDUCATIONAL AND SOCIAL SERVICES FACILITIES (NV)	\$500,000		Reid

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	SOLAR ENERGY DEVELOPMENT (ME)	\$800,000		Collins
Department of Energy	EERE	SOLAR ENERGY PARKING CANOPY DEMONSTRATION PROJECT	\$3,000,000	Lewis (CA)	
Department of Energy	EERE	SOLAR ENERGY PROGRAM	\$800,000	Wasserman Schultz	
Department of Energy	EERE	SOLAR ENERGY RESEARCH CENTER INSTRUMENTATION FACILITY, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	\$1,000,000	Price (NC)	Hagan
Department of Energy	EERE	SOLAR ENERGY ZONE PLANNING AND INFRASTRUCTURE FOR THE NEVADA TEST SITE AND ADJACENT LANDS (NV)	\$1,000,000		Reid
Department of Energy	EERE	SOLAR FURNACE RESEARCH PROGRAM, VALPARAISO UNIVERSITY, IN	\$500,000	Visclosky	Lugar
Department of Energy	EERE	SOLAR HOT WATER PROJECT IN GREENBURGH, NY	\$169,000	Lowey	
Department of Energy	EERE	SOLAR LIGHTING FOR ARTESIA PARKS	\$250,000	Sanchez, Linda	
Department of Energy	EERE	SOLAR PANEL EXPANSION INITIATIVE	\$500,000	Rodriguez	
Department of Energy	EERE	SOLAR PANELS IN MUNICIPAL OWNED BUILDINGS (NJ)	\$1,000,000		Lautenberg, Menendez
Department of Energy	EERE	SOLAR PANELS ON HUDSON COUNTY FACILITIES	\$500,000	Sires	Lautenberg, Menendez
Department of Energy	EERE	SOLAR PIONEER AND SOLAR ENTREPRENEUR PROGRAMS (NY)	\$500,000		Gillibrand
Department of Energy	EERE	SOLAR POWER FOR MAYWOOD	\$300,000	Rothman (NJ)	

Department of Energy	EERE	SOLAR POWERED COMPRESSED NATURAL GAS REFUELING STATION	\$500,000	McCarthy (NY)	
Department of Energy	EERE	SOLAR POWERED LIGHTING FOR FOREST PRESERVE DISTRICT OF DUPAGE COUNTY, IL	\$300,000	Roskam	
Department of Energy	EERE	SOLID OXIDE FUEL CELL SYSTEMS PVL PILOT LINE	\$1,000,000	Boccheri; Sutton	Brown
Department of Energy	EERE	SOMERSET COUNTY RENEWABLE ENERGY INITIATIVE	\$2,000,000	Frelinghuysen	
Department of Energy	EERE	SOUTH JERSEY WIND TURBINES	\$500,000	LoBiondo	Lautenberg, Menendez
Department of Energy	EERE	SOUTHERN PINE BASED BIOREFINERY CENTER	\$1,000,000	Lewis (GA); Marshall; Scott (GA)	Chambliss
Department of Energy	EERE	SOUTHERN REGIONAL CENTER FOR LIGHTWEIGHT INNOVATIVE DESIGNS (MS)	\$4,000,000		Cochran, Wicker
Department of Energy	EERE	SOUTHWEST ALASKA REGIONAL GEOTHERMAL ENERGY PROJECT (AK)	\$2,500,000		Murkowski, Begich
Department of Energy	EERE	ST. LUKE'S MNERS MEMORIAL HOSPITAL ENERGY EFFICIENCY IMPROVEMENT PROJECT	\$525,000	Holden	
Department of Energy	EERE	ST. MARKS REFINERY REDEVELOPMENT	\$350,000	Boyd	
Department of Energy	EERE	ST. PETERSBURG SOLAR PILOT PROJECT	\$1,000,000	Young (FL)	
Department of Energy	EERE	ST. PETERSBURG SUSTAINABLE BIOSOLIDS/RENEWABLE ENERGY PLANT	\$2,500,000	Young (FL)	Bill Nelson
Department of Energy	EERE	STATE COLLEGES' (VSC) STATEWIDE ENERGY EFFICIENCY AND RENEWABLE ENERGY INITIATIVE	\$450,000	Welch	Sanders
Department of Energy	EERE	STRATEGIC BIOMASS INITIATIVE (MS)	\$500,000		Cochran, Wicker
Department of Energy	EERE	STREET LIGHTING FIXTURE ENERGY EFFICIENCY RETROFIT PROJECT	\$500,000	Becerra; Harman; Sanchez, Linda; Watson	
Department of Energy	EERE	SUN GRANT INITIATIVE (SD)	\$2,750,000	Herseth Sandlin	Johnson

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	SUSTAINABLE ALGAL ENERGY PRODUCTION AND ENVIRONMENTAL REMEDIATION	\$500,000	Wittman	
Department of Energy	EERE	SUSTAINABLE ENERGY OPTIONS FOR RURAL NEBRASKA	\$500,000	Fortenberry	
Department of Energy	EERE	SUSTAINABLE ENERGY RESEARCH CENTER	\$10,000,000	Harper	Cochran, Wicker
Department of Energy	EERE	SWEET SORGHUM ALTERNATIVE FUEL AND FEED PILOT PROJECT	\$750,000	Grijalva	
Department of Energy	EERE	SWITCHGRASS BIOFUEL RESEARCH: CARBON SEQUESTRATION AND LIFE CYCLE ANALYSIS	\$500,000	Fortenberry	Ben Nelson
Department of Energy	EERE	SYNTHESIS OF RENEWABLE BIOFUELS FROM BIOMASS	\$500,000	Rehberg	Tester
Department of Energy	EERE	THE BIOREFINERY IN NEW YORK-BIO BUTANOL FROM BIOMASS	\$400,000	Maffei	
Department of Energy	EERE	THE BOSTON ARCHITECTURAL COLLEGE'S URBAN SUSTAINABILITY INITIATIVE	\$1,600,000	Capuano	
Department of Energy	EERE	THE CUNY ENERGY INSTITUTE (NY)	\$1,550,000		Schumer, Gillibrand
Department of Energy	EERE	THE JOHNSTON AVENUE SOLAR PROJECT	\$500,000	Smith (NJ)	
Department of Energy	EERE	THE SOLAR ENERGY CONSORTIUM	\$2,250,000	Hall (NY); Hinchey	
Department of Energy	EERE	THIN FILM PHOTOVOLTAIC RESEARCH & DEVELOPMENT (VT)	\$500,000		Leahy
Department of Energy	EERE	THURGOOD MARSHALL COLLEGE FUND MINORITY ENERGY SCIENCE INITIATIVE: NNSA	\$3,000,000	Butterfield; Towns	

Department of Energy	EERE	TODAY'S LEADERS FOR A SUSTAINABLE TOMORROW: A SUSTAINABLE ENERGY PROGRAM	\$1,500,000	Oberstar	
Department of Energy	EERE	TUCSON PUBLIC BUILDING SOLAR ARRAYS	\$450,000	Giffords	
Department of Energy	EERE	UNCONVENTIONAL AND RENEWABLE ENERGY RESEARCH UTILIZING COMPUTER SIMULATIONS (UT)	\$3,500,000		Bennett
Department of Energy	EERE	UNION TERMINAL	\$500,000	Driehaus	
Department of Energy	EERE	UNITED WAY OF SOUTHEASTERN MICHIGAN	\$400,000	Conyers; Dingell; Kilpatrick (M); Levin; Miller (M)	Levin, Stabenow
Department of Energy	EERE	UNIVERSITY OF AKRON NATIONAL POLYMER INNOVATION CENTER	\$1,000,000	Ryan (OH); Sutton	Voinovich
Department of Energy	EERE	UNIVERSITY OF ARKANSAS AT LITTLE ROCK NANOSTRUCTURED SOLAR CELLS	\$500,000	Snyder	Lincoln, Pryor
Department of Energy	EERE	UNIVERSITY OF DETROIT MERCY ENERGY EFFICIENT CHEMISTRY BUILDING RENOVATIONS	\$800,000	Kilpatrick (M)	Levin, Stabenow
Department of Energy	EERE	UNIVERSITY OF LOUISVILLE RESEARCH AND ENERGY INDEPENDENCE PROGRAM (KY)	\$2,000,000		McConnell
Department of Energy	EERE	UNIVERSITY OF NEW HAVEN SOLAR TESTING AND TRAINING LAB (CT)	\$500,000		Dodd, Lieberman
Department of Energy	EERE	UNIVERSITY OF NORTH ALABAMA GREEN CAMPUS INITIATIVE	\$200,000	Aderholt	
Department of Energy	EERE	UNIVERSITY OF SOUTH CAROLINA AIKEN BIOFUELS LABORATORY IN AIKEN, SC	\$456,000	Barrett (SC)	
Department of Energy	EERE	UNIVERSITY OF WISCONSIN OSHKOSH'S ANAEROBIC DRY DIGESTION FACILITY	\$500,000	Petri	
Department of Energy	EERE	UNIVERSITY OF WISCONSIN-BARABOO/SAUK COUNTY NET-ZERO ENERGY BUILDING	\$500,000	Baldwin	

**ENERGY AND WATER DEVELOPMENT— Continued**  
**[Congressionally Directed Spending Items]**

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	EERE	UNIVERSITY OF WISCONSIN-MILWAUKEE ADVANCED NANOMATERIALS FOR HIGH-EFFICIENCY SOLAR CELLS	\$500,000	Moore (W)	
Department of Energy	EERE	UNR— BIODIESEL FROM FOOD WASTE (NV)	\$1,000,000		Reid
Department of Energy	EERE	UNR— GREAT BASIN CENTER FOR GEOTHERMAL ENERGY (NV)	\$1,000,000		Reid
Department of Energy	EERE	UNR— MASS EXCHANGER TECHNOLOGY FOR GEOTHERMAL AND SOLAR ENERGY SYSTEMS (NV)	\$1,200,000		Reid
Department of Energy	EERE	UW NORTHWEST NATIONAL MARINE RENEWABLE ENERGY CENTER	\$880,000	Inslee; McDermott; Schrader; Wu	Murray, Cantwell
Department of Energy	EERE	VERMONT BIOFUELS INITIATIVE (VT)	\$750,000		Leahy
Department of Energy	EERE	VERMONT ENERGY INVESTMENT CORPORATION (VT)	\$450,000		Sanders
Department of Energy	EERE	WALLOWA COUNTY INTEGRATED BIOMASS ENERGY CENTER (OR)	\$500,000		Wyden, Merkley
Department of Energy	EERE	WARREN TECHNOLOGY AND BUSINESS CENTER FOR ENERGY SUSTAINABILITY	\$2,700,000	Ryan (OH)	
Department of Energy	EERE	WASHINGTON STATE BIOFUELS INDUSTRY DEVELOPMENT	\$1,000,000	McDermott; Reichert; Smith (WA)	Murray
Department of Energy	EERE	WASHOE WIND TURBINE DEMONSTRATION PROJECT (NV)	\$50,000		Reid
Department of Energy	EERE	WESTERN IOWA TECH COMMUNITY COLLEGE RENEWABLE ENERGY ECONOMY CORRIDOR	\$500,000	King (IA)	Grassley

Department of Energy	EERE	WESTERN KENTUCKY UNIVERSITY RESEARCH FOUNDATION BIODIESEL PROJECT	\$500,000	Guthrie	
Department of Energy	EERE	WIND TURBINE DEVELOPMENT (MI)	\$1,000,000	Rehberg	Baucus, Tester
Department of Energy	EERE	WIND TURBINE INFRASTRUCTURE FOR GREEN ENERGY AND RESEARCH ON WIND POWER IN DELAWARE	\$1,000,000	Castle	Carper, Kaufman
Department of Energy	EERE	WSU, NATIONAL INSTITUTE FOR AVIATION RESEARCH, ADVANCED MATERIALS RESEARCH	\$1,500,000	Tiahrt	Brownback, Roberts
Department of Energy	EERE	YPSI CIVIC CENTER	\$1,000,000	Dingell	
Department of Energy	Electricity Delivery and Energy Reliability	ADAPTIVE SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) TECHNOLOGY FOR INFRASTRUCTURE PROTECTION	\$750,000	Miller (FL); Steams	
Department of Energy	Electricity Delivery and Energy Reliability	AUTOMATED REMOTE ELECTRIC AND WATER METERS IN SOUTH RIVER	\$500,000	Holt	
Department of Energy	Electricity Delivery and Energy Reliability	DEVELOPMENT OF A SMART MICROGRID TESTBED	\$500,000	Barton (TX)	
Department of Energy	Electricity Delivery and Energy Reliability	ENERGY DEVELOPMENT AND RELIABILITY (ND)	\$325,000		Dorgan
Department of Energy	Electricity Delivery and Energy Reliability	ENERGY TRANSMISSION AND INFRASTRUCTURE NORTHERN OHIO	\$1,100,000	Kaptur	
Department of Energy	Electricity Delivery and Energy Reliability	INSTITUTE FOR ENERGY AND THE ENVIRONMENT AT VERMONT LAW SCHOOL	\$450,000	Welch	
Department of Energy	Electricity Delivery and Energy Reliability	MCROGRIDS AND RENEWABLE ENERGY AND TECHNOLOGIES RESEARCH INITIATIVE	\$750,000	Teague	Bingaman, T. Udall
Department of Energy	Electricity Delivery and Energy Reliability	NATIONAL CENTER FOR RELIABLE ELECTRIC TRANSMISSION	\$500,000	Boozman	Lincoln, Pryor