Calendar No. 876

110TH CONGRESS, 2d Session | SENATE | REPORT 110–416

ENERGY AND WATER DEVELOPMENT APPROPRIATIONS BILL, 2009

JULY 14, 2008.—Ordered to be printed

Mr. DORGAN, from the Committee on Appropriations, submitted the following

REPORT

[To accompany S. 3258]

The Committee on Appropriations reports the bill (S. 3258) making appropriations for energy and water development and related agencies for the fiscal year ending September 30, 2009, and for other purposes, favorably thereon and recommends that the bill do pass.

Amount in new budget (obligational) authority, fiscal year 2009

Total of bill as reported to the Senate	$33,767,000,000
Amount of 2008 appropriations	31,508,398,000
Amount of 2009 budget estimate	31,695,700,000
Bill as recommended to Senate compared to—	
2008 appropriations	+2,258,602,000
2009 budget estimate	+2,071,300,000

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CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

Account	Project	Funding	Member
Water and Related Resources	EMERGENCY PLANNING & DISASTER RESPONSE PROGRAM	1,422,000	The President
Water and Related Resources	ENDANGERED SPECIES RECOVERY IMPLEMENTATION	21,939,000	The President, Senators Domenici, Bennett, Salazar, Bingaman, Hatch
Water and Related Resources	ENVIRONMENTAL & INTERAGENCY COORDINATION ACTIVITIES	1,739,000	The President
Water and Related Resources	ENVIRONMENTAL PROGRAM ADMINISTRATION	973,000	The President
Water and Related Resources	EXAMINATION OF EXISTING STRUCTURES	6,254,000	The President
Water and Related Resources	FEDERAL BUILDING SEISMIC SAFETY PROGRAM	1,384,000	The President
Water and Related Resources	GENERAL PLANNING STUDIES	2,163,000	The President
Water and Related Resources	LAND RESOURCES MANAGEMENT PROGRAM	7,481,000	The President
Water and Related Resources	LOWER COLORADO RIVER OPERATIONS PROGRAM	16,400,000	The President
Water and Related Resources	MISCELLANEOUS FLOOD CONTROL OPERATIONS	714,000	The President
Water and Related Resources	NATIVE AMERICAN AFFAIRS PROGRAM	7,020,000	The President
Water and Related Resources	NEGOTIATION & ADMINISTRATION OF WATER MARKETING	1,658,000	The President
Water and Related Resources	OPERATIONS AND PROGRAM MANAGEMENT	1,206,000	The President
Water and Related Resources	PICK-SLOAN MISSOURI BASIN	40,740,000	The President
Water and Related Resources	POWER PROGRAM SERVICES	1,097,000	The President
Water and Related Resources	PUBLIC ACCESS AND SAFETY PROGRAM	796,000	The President
Water and Related Resources	RECLAMATION LAW ADMINISTRATION	2,132,000	The President
Water and Related Resources	RECLAMATION RECREATION MANAGEMENT (TITLE XXVII)	1,000,000	Senators Domenici, Bingaman
Water and Related Resources	RECREATION & FISH & WILDLIFE PROGRAM ADMINISTRATION	951,000	The President
Water and Related Resources	RESEARCH AND DEVELOPMENT		
Water and Related Resources	DESALINATION AND WATER PURIFICATION PROGRAM	3,975,000	The President, Senators Domenici, Bingaman
Water and Related Resources	SCIENCE AND TECHNOLOGY PROGRAM	9,000,000	The President
Water and Related Resources	RURAL WATER LEGISLATION TITLE I	1,000,000	The President
Water and Related Resources	SITE SECURITY	28,950,000	The President
Water and Related Resources	TITLE XVI WATER RECLAMATION AND REUSE PROGRAM	3,300,000	The President, Senators Reid, Domenici
Water and Related Resources	UNITED STATES/MEXICO BORDER ISSUES—TECHNICAL SUPPORT	93,000	The President
Water and Related Resources	WATER FOR AMERICA INITIATIVE	19,000,000	The President, Senators Reid; Domenici, Bingaman
California Bay-Delta Restoration	California Bay-Delta Restoration, CA	42,000,000	The President, Senator Feinstein
CUPCA	Central Utah Project Completion Act, UT	42,000,000	The President
CVPRF	Central Valley Project Restoration Fund, CA	56,079,000	The President, Senator Feinstein
DOE—EERC	Algal-Base Renewable Energy for Nevada, Desert Research Institute, Reno, NV for the development of algal-based energy system.	750,000	Senator Reid
DOE—EERE	Alternative Energy for Higher Education, Creighton University, Omaha, NE, for a solar energy project	1,200,000	Senators Nelson (Ben), Hagel

DOE—EERE	Alternative Energy School of the Future, Clark County, Andre Agassi Charitable Foundation, Las Vegas, NV, for a solar fuel cell system.	1,250,000	Senator Reid
DOE—EERE	Alternative Fuel Cell Membranes for National Energy Independence, University of Southern Mississippi, USM, MS, for advanced fuel cell membrane research.	1,000,000	Senators Cochran, Wicker
DOE—EERE	Anaerobic Digester and Combined Heat Power Project, Washington Suburban Sanitary Commission, Montgomery and Prince George's Counties, MD, for a study on anaerobic power generation.	600,000	Senator Cardin
DOE—EERE	Bioenergy and Bioproducts Laboratory, Auburn University, Auburn, AL, to conduct research on biofuel conversion, biofuel testing, and certification.	1,000,000	Senators Shelby, Sessions
DOE—EERE	Bioenergy Demonstration Project: Value-Added Products from Renewable Fuels, University of Nebraska, Lincoln, NE, for research on the byproducts of biofuel production.	2,000,000	Senators Nelson (Ben), Hagel
DOE—EERE	Biogas Center of Excellence, Michigan Economic Development Corporation, Flint, MI, for a center for the production of biogas.	1,000,000	Senators Levin, Stabenow
DOE—EERE	Biomass Energy Resources Center, Biomass Energy Resource Center, Montpelier, VT, for the installation of new small scale technology.	1,500,000	Senator Leahy
DOE—EERE	Biomass Gasification Research and Development Project, Port of Benton, Richland, WA, for the gasification and research of biomass.	1,000,000	Senator Murray
DOE—EERE	Biorefinery for Ethanol, Chemicals, Animal Feed and Biomaterials from Sugarcane Bagasse, Louisiana State University Agricultural Center, Baton Rouge, LA, for a biomass conversion project.	1,000,000	Senators Landrieu, Vitter
DOE—EERE	Bipolar Wafer Cell NiMH Lithium Ion Battery, Electro Energy, Danbury, CT, to advance wafer cell battery technology.	2,000,000	Senators Dodd, Lieberman
DOE—EERC	Carbon Neutral Green Campus, Nevada State College, Clark County, NV for environmental sustainability.	250,000	Senator Reid
DOE—EERE	Center for Biomass Utilization, University of North Dakota Energy and Environmental Research Center, Grand Forks, ND, for research on biomass production and its byproducts.	2,000,000	Senator Dorgan
DOE—EERE	Center for Nanoscale Energy, North Dakota State University, Fargo, ND, for nanomaterials research	5,000,000	Senator Dorgan
DOE—EERE	Central Vermont Recovered Biomass Facility, Vermont Sustainable Jobs Fund, Montpelier, VT, for a digester system.	1,000,000	Senator Leahy
DOE—EERE	Chariton Valley Densification—Phase II, Chariton Valley RC&D, Inc, Centerville, IA, for research on switchgrass.	1,000,000	Senator Harkin
DOE—EERE	Christmas Valley Renewable Energy Development, Oregon Department of Energy, Salem, OR, for the development of a renewable energy-producing facility.	400,000	Senators Wyden, Smith
DOE—EERE	City of Miami Green Initiative, City of Miami, Miami, FL, to reduce greenhouse gas emissions and fuel consumption in the city.	1,000,000	Senator Nelson (Bill)
DOE—EERE	Clean Power Energy Research Consortium, Nicholls State University, Louisiana State University, University of New Orleans, Tulane University, Southern University, University of Louisiana, Thibodeaux, LA, for a joint venture of Lousiana universities to promote alternative fuels.	2,000,000	Senators Landrieu, Vitter
DOE—EERE	Clean Technology Commercialization Initiative, Ben Franklin Technology Partners, Harrisburg, PA, to support clean and alternative energy technologies.	1,000,000	Senators Specter, Casey
DOE—EERE	Coastal Ohio Wind Project, Bowling Green State University, Bowling Green, OH, for wind energy research.	1,000,000	Senators Brown, Voinovich

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

Account	Project	Funding	Member
DOE—EERE	Consortium for Plant Biotechnology Research, The Consortium for Plant Biotechnology Research, Inc., St. Simons Island, N/A, to support university-industry research and technology transfer projects.	1,000,000	Senators Brown, Dorgan, Harkin, Inouye, Johnson, Klobuchar, Landrieu, Levin, Ben Nelson, Murray, Stabenow, McConnell, Chambliss
DOE—EERE	Cooling Heating and Power and Bio-Fuel Application Center, Mississippi State University, Mississippi State, MS, to conduct research on increased energy efficiency through the use of electric and thermal delivery systems.	2,000,000	Senators Cochran, Wicker
DOE—EERC	Development of Biofuels Using Ionic Transfer Membranes, University of Nevada, Las Vegas, Clark County, NV for biofuels research.	600,000	Senator Reid
DOE—EERE	Development of High Yield Tropical Feedstocks, University of Hawaii, College of Tropical Agriculture and Human Resources, Honolulu, HI, for a tropical bioenergy project.	1,500,000	Senator Inouye
DOE—EERE	Dueco Plug-In Hybrid Engines, Dueco Inc., Waukesha, WI, for new plug-in hybrid electric propulsion technology.	2,000,000	Senator Kohl
DOE—EERE	Energy Production Through Anaerobic Digestion, New Jersey Department of Agriculture, Trenton, NJ, for anaerobic digester technology.	500,000	Senators Lautenberg, Menendez
DOE—EERE	Fluid Flow Optimization of Aerogel Blanket Manufacturing Process, Aspen Aerogels, Northborough, MA, for energy-efficient insulation research.	1,500,000	Senators Kennedy, Kerry
DOE—EERE	Forestry biofuel statewide Collaboration Center, Michigan Economic Development Corporation, Upper Peninsula, MI, to improve the supply chain for woody biomass.	1,500,000	Senators Levin, Stabenow
DOE—EERE	Genetic Improvements of Switchgrass, University of Rhode Island at Kingston, Kingston, RI, to improve switchgrass for use as a biofuel.	1,500,000	Senator Reed
DOE—EERE	Geothermal Power Generation Plant, Oregon Institute of Technology (OIT), Klamath Falls, OR, for a geothermal power plant.	1,600,000	Senators Wyden, Smith
DOE—EERE	Great Basin Center for Geothermal Energy, University of Nevada, Reno, NV, to continue and expand the Center's activities in promoting geothermal power.	650,000	Senator Reid
DOE—EERE	Great Plains Wind Power Test Facility, Texas Tech University, Lubbock, TX, for the testing, characterization, and improvement of grid-connected wind turbines and wind-driven water desalination systems.	2,000,000	Senator Hutchison
DOE—EERE	Hawaii-New Mexico Sustainable Energy Security Partnership, Hawaii Natural Energy Institute, Honolulu, HI, to continue the analysis and technology efforts of the Partnership.	3,000,000	Senators Inouye, Domenici, Akaka
DOE—EERC	Hollow Glass Microspheres, University of Nevada, Las Vegas, Clark County, NV for hydrogen storage methods research.	550,000	Senator Reid
DOE—EERE	Hydroelectric Power Generation, Quincy, City of Quincy, Quincy, IL, for Quincy's efforts to install hydroelectric plants at locks and dams.	500,000	Senator Durbin
DOE—EERE	Hydrogen Storage System for Vehicular Propulsion, Delaware State U., Dover, Delaware State University, Dover, DE, to develop a hydrogen storage system.	1,500,000	Senators Biden, Carper

DOE—EERE	Integrated Solar Energy Windows, PPG Industries, Pittsburgh, PA, for the development of next generation, transparent photovoltaic (PV) solar cells.	1,000,000	Senator Specter
DOE—EERE	Integrated Sustainability Initiative, University of Nevada, Reno, NV, to promote campus sustainability.	1,000,000	Senator Reid
DOE—EERE	Kansas Biofuels Certification Laboratory, University of Kansas, Lawrence, KS, for analysis of biofuels, measuring emissions of biofuels, and research of biofuel cells.	1,000,000	Senator Brownback
DOE—EERE	La Samilla Solar Trough Storage Project, Sandia National Laboratories, Albuquerque, NM, for solar trough storage advancement.	2,000,000	Senators Domenici, Bingaman
DOE—EERE	Landfill Gas Utilization Plant, County of Chautauqua, Chautauqua County, NY, for landfill-gas power generation.	2,000,000	Senator Schumer
DOE—EERE	Lightweight Composites for Heavy-Duty Vehicles and Hydrogen Storage, West Virginia University, Morgantown, WV, to advance the use of lightweight composite materials for vehicles.	500,000	Senator Byrd
DOE—EERE	Maine Tidal Power Initiative, University of Maine, Orono, ME, to develop protocols that allow locations in northern New England to be prioritized for tidal energy development.	1,000,000	Senators Snowe, Collins
DOE—EERE	MidSouth/Southeast Bioenergy Consortium, MidSouth/Southeast Bioenergy Consortium, Fayetteville, AR, for research on the byproducts of biofuel production.	1,500,000	Senators Lincoln, Pryor, Chambliss
DOE—EERE	Multifunctional Solar Energy Systems Research, Utah State University, Logan, UT, for research and development of multifunctional electricity-producing systems.	1,000,000	Senator Bennett
DOE—EERE	National Agriculture-Based Industrial Lubricants (NABL), Biomass (IA), University of Northern Iowa, Cedar Falls, IA, for the advancement of biobased industrial and automotive lubricants and for biofuels services.	600,000	Senators Harkin, Grassley
DOE—EERE	National Center for Commercialization of Bioenergy, Kansas State University, Olathe, KS, for the commercialization of near market bioenergy technologies to meet national renewable fuel mandates.	750,000	Senator Roberts
DOE—EERE	National Wind Energy Center, University of Houston, Houston, TX, to focus on developing advanced offshore wind technology for cost-effective, renewable clean energy production.	2,000,000	Senator Hutchison
DOE—EERC	Nevada Institute for Renewable Energy Commercialization, Incline Village, NV, for the promotion of renewable energy in business.	500,000	Senator Reid
DOE—EERE	New School Green Building, The New School, New York, NY, for an environmentaly-friendly school facility.	2,000,000	Senator Schumer
DOE—EERE	North Carolina Center for Automotive Research, North Carolina Center for Automotive Research, Jackson, NC, to equip the Chassis Dynamics Laboratory.	1,000,000	Senator Dole
DOE—EERE	Offshore Renewable Energy, Rhode Island Coastal Resources Management Council, Wakefield, RI, to develop an Ocean Special Area Management Plan.	700,000	Senators Reed, Whitehouse
DOE—EERE	Ohio Advanced Energy Manufacturing Center (OAEMC), Edison Welding Institute, Columbus, OH, for an advanced energy manufacturing program.	1,000,000	Senators Brown, Voinovich
DOE—EERE	Oregon Solar Highway, Oregon Department of Transportation, Salem, OR, to demonstrate the feasibility of large-scale deployment of solar photovoltaic technology.	1,000,000	Senators Smith, Wyden
DOE—EERE	Pecos Valley Biomass Energy Project, NM, Clark County School District, Roswell, NM, for a bio-methane gas system.	2,500,000	Senators Bingaman, Domenici
DOE—EERE	Placer County Biomass Utilization Pilot Project, Placer County, Auburn, CA, for a biomass facility	1,500,000	Senator Feinstein

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

Account	Project	Funding	Member
DOE—EERE	Pope/Douglas Third Combuster Expansion, Pope/Douglas Solid Waste Management, Alexandria, MN, to increase waste to energy capacity.	1,000,000	Senators Coleman, Klobuchar
DOE—EERE	Power Grid Reliability and Security, Washington State University, Washington State University, Pullman, WA, to create solutions for grid reliability and security enhancements.	1,000,000	Senators Murray, Cantwell
DOE—EERE	Renewable Energy Clean Air Project, County of Koochiching, International Falls, MN, for syn-gas energy production.	700,000	Senator Klobuchar
DOE—EERE	Renewable Energy Development Venture, Pacific International Center for High Technology Research, Honolulu, HI, to expand potential energy resources in the State of Hawaii.	2,500,000	Senator Inouye
DOE—EERE	Renewable Energy Feasibility Study, City of Trenton, Trenton, NJ, to examine possible renewable energy sources.	500,000	Senators Lautenberg, Menendez
DOE—EERE	Renewable Energy Integration and Development, Clark and Washoe Counties, Nevada System of Higher Education (NSHE), Las Vegas, NV, for a renewable energy center.	2,000,000	Senator Reid
DOE—EERE	Renewable/Sustainable Biomass Project, Alaska Village Initiatives, Alaska, AK, for use of biomass for energy generation in rural Alaska villages.	500,000	Senator Stevens
DOE—EERE	Sandia National Lab Concentrating Solar, Sandia National Lab, Albuquerque, NM, for concentrating solar activities.	3,000,000	Senators Domenici, Bingaman
DOE—EERE	Solar Panels and Environmental Education, County of Essex, Newark, NJ, for the installation of solar panels to further environmental education.	1,000,000	Senators Lautenberg, Menendez
DOE—EERE	Solar Park Pilot Project, City of St. Petersburg, St. Petersburg, FL, to develop a renewable energy plan for the City's parks.	1,000,000	Senator Nelson (Bill)
DOE—EERE	Solar Power Generation, Township of Cherry Hill, Cherry Hill, NJ, for solar technology	300,000	Senator Lautenberg
DOE—EERE	Solar Thermal Demonstration Project, Clark County School District, Clark County, NV, for solar technology for schools.	1,250,000	Senator Reid
DOE—EERE	Southern Regional Center for Lightweight Innovative Design, Mississippi State University, Mississippi State, MS, to reduce emissions and posture the US for less reliance on foreign oil.	4,000,000	Senators Cochran, Wicker
DOE—EERE	Southwest Alaska Regional Geothermal Energy Project, Naknek Electrical Association, Naknek, AK, for an exploratory well for a 25MW geothermal plant to serve villages in rural Alaska.	3,000,000	Senators Stevens, Murkowski
DOE—EERE	Stamford Waste-to-Energy Project (CT), City of Stamford, Stamford, CT, to convert dried sludge into clean, renewable energy.	2,000,000	Senators Dodd, Lieberman
DOE—EERE	Strategic Biomass Initiative, Mississippi Technology Alliance, Jackson, MS, to encourage bioenergy industry in the southeast.	500,000	Senators Cochran, Wicker
DOE—EERE	Sun Grant Initiative, South Dakota State University, Brookings, SD, for regional biomass feedstock research and education.	4,000,000	Senators Johnson, Thune
DOE—EERE	Sustainable Energy for Homes and Businesses, Vermont Department of Public Service, Montpelier, VT, to support Vermont's wind and solar program.	750,000	Senator Sanders

DOE—EERE	Sustainable Energy for Vermont Schools Competition, Vermont Superintendents Association, Montpelier, VT, for school-based projects to highlight sustainable energy technologies.	900,000	Senator Sanders
DOE—EERE	Sustainable Energy Research Center, Mississippi State University, Mississippi State, MS, to develop new engineering and scientific knowledge and serve as a catalyst to create sustainable energy industries in the southeastern United States.	10,500,000	Senators Cochran, Wicker
DOE—EERC	Sustainable Las Vegas, University of Nevada, Las Vegas, Clark County, NV to increase conservation and sustainability in Las Vegas.	1,000,000	Senator Reid
DOE—EERE	The Institute for Energy, Environment and Sustainability, Johnson County Community College, Overland Park, KS, to serve as a resource for local education, business and civic entities and would include education and training in renewable energy.	750,000	Senator Brownback
DOE—EERE	Thin Film Photovoltaic Research & Development, Omega Optical, Brattleboro, VT, to research solar panel technology.	1,000,000	Senator Leahy
DOE—EERE	Tidal Energy Study, Snohomish County PUD No. 1, Everett, WA, for environmental studies of possible tidal energy pilot plants.	500,000	Senator Murray
DOE—EERE	Transportable Emissions Testing Lab, West Virginia University, Morgantown, WV, for mobile labs that test bus emissions.	1,000,000	Senator Byrd
DOE—EERE	USD Catalysis Group for Alternative Energy, South Dakota Catalysis Group, Vermilion, SD, for the development of metal oxide and carbon catalyzed reactions technologies.	1,100,000	Senators Johnson, Thune
DOE—EERE	Vermont Biofuels Initiative, Vermont Sustainable Jobs Fund, Montpelier, VT, to test the feasibility of different uses of biodiesel.	1,500,000	Senator Leahy
DOE—EERE	Wind Turbine Model and Pilot Project for Alternative Energy, University of Delaware, Newark, DE, for a shore-side wind turbine.	1,500,000	Senators Biden, Carper
DOE—EM DEFENSE	Characteristics and Clean-up of US Nuclear Legacy, Institute for Clean Energy Technology, Mississippi State, MS, for renewal of the cooperative agreement with the DOE to help expedite the cleanup of the nuclear defense sites.	4,000,000	Senators Cochran, Wicker
DOE—EM DEFENSE	Water Resources Data, Modeling, and Visualization Center, Desert Research Institute, Washoe County, NV for water research.	1,000,000	Senator Reid
DOE—EM DEFENSE	WIPP Records Archive, WIPP, Carlsbad, NM, for records archiving	4,000,000	Senators Domenici, Bingaman
DOE—EM NON-DEFENSE	Bioinformatics and Computational Biology Initiative, The University of Louisville, Louisville, KY, to provide data management support for research in genomics and metabolomic programs.	1,000,000	Senator McConnell
DOE—EM NON-DEFENSE	Southwest Experimental Fast Oxide Reactor Decommissioning (SEFOR), University of Arkansas in Fayetteville, Fayetteville, AR, for the decommissioning of SEFOR in Strickler, AR.	2,000,000	Senators Lincoln, Pryor
DOE—FE	Arctic Energy Office, Arctic Energy Office, Fairbanks, AK, for research in fossil energy, natural gas technologies, and oil technologies.	6,000,000	Senator Stevens
DOE—FE	Center for Zero Emissions Research and Technology, Montana State University, Bozeman, MT, for research related to carbon sequestration, greenhouse gas emissions, and clean power generation.	4,500,000	Senators Baucus, Tester
DOE—FE	CO2 Capture/Sequestration Research, Pennsylvania State University, Centre County, PA, to study carbon capture and sequestration.	500,000	Senator Casey
DOE—FE	Fossil Fuel Research & Development, University of North Dakota Energy and Environmental Research Center, Grand Forks, ND, to address strategic national energy issues.	4,000,000	Senator Dorgan

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

Account	Project	Funding	Member
DOE—FE	Gulf Of Mexico Hydrates Research Consortium, University of Mississippi, University of Mississippi, MS, to develop and deploy an integrated multi-sensor station on the seafloor in the Gulf of Mexico.	1,200,000	Senators Cochran, Wicker
DOE—FE	Long Term Environmental and Economic Impacts of the Development of a Coal Liquefaction Sector in China, West Virginia University, Morgantown, WV, for the study of the development of commercial liquefaction plants.	500,000	Senator Byrd
DOE—FE	Multi-Year Demonstration of Carbon Sequestration in a Deep Saline Reservoir, Xcel Energy, Denver, CO, to determine the feasibility of geologic CO2 sequestration in a deep saline reservoir.	1,500,000	Senators Salazar, Allard
DOE—FE	National Center for Hydrogen Technology, University of North Dakota Energy and Environmental Research Center, Grand Forks, ND, for the development of hydrogen technologies.	3,000,000	Senator Dorgan
DOE—FE	Shale Oil Upgrading Utilizing Ionic Conductive Membranes, Ceramatec, Inc., Salt Lake City, UT, to develop processes for upgrading oil shale, making oil extract high quality and affordable.	1,000,000	Senators Hatch, Bennett
DOE—FE	Solid Oxide Fuel Cells, Siemens Power Generation, Pittsburgh, PA, to support development, construction, and testing of the fuel processing systems.	2,000,000	Senator Specter
DOE—FE	The Center for Advanced Separation Technology, University of Kentucky, Lexington, KY, to support efforts to develop new technologies that reduce the cost of separations in coal, metals, and industrial mining operations.	3,000,000	Senators McConnell, Warner, Webb
DOE—FE	University of Kentucky Coal-Derived Low Energy Materials for Sustainable Construction Project, University of Kentucky, Lexington, KY, to research alternative uses for coal combustion byproducts.	1,000,000	Senators McConnell, Bunning
DOE—FE	Refining Capacity Study, North Dakota Association of Rural Electric Cooperatives, Mandan, ND, to study refining capacity.	500,000	Senator Dorgan
DOE—FE	Utah Center for Ultra Clean Coal Utilization & Heavy Oil Research, University of Utah, Salt Lake City, UT, to continue research on the commercial viability and validity of unconventional and clean energy technologies.	4,000,000	Senator Bennett
DOE—NE	Technologies Ventures Corporation, Technologies Ventures Corporation, Albuquerque, NM, for technology transfer activities.	3,000,000	Senator Domenici
DOE—Nuclear Waste	Cooperative agreement between the Department of Energy and Inyo County, Inyo County, Independence, CA, to complete studies under the cooperative agreement.	1,600,000	Senator Feinstein
DOE—Nuclear Waste	Inyo County Affected Unit of Local Government, County of Inyo, Inyo County, CA, to conduct scientific oversight responsibilities and participate in licensing activities.	350,000	Senator Feinstein
DOE—ODA	Medical Monitoring at Paducah, KY, Portsmouth, OH, and Oak Ridge, TN, Paducah, Portsmouth, and Oak Ridge Medical Monitoring, Paducah, KY, Portsmouth, OH, and Oak Ridge, TN, to provide for continued conventional medical work-ups and lung scans and re-scans for current and former workers.	1,050,000	Senator McConnell
DOE—OE	Alternate Fuel for Cement Processing, Auburn University, Auburn, AL, to focus on the integration of the burning process into existing kiln systems in Lafarge plants, maximization of burn efficiency and minimization of waste/discharge.	1,500,000	Senator Shelby

DOE—OE	Center of Excellence Lab, Bismarck State College, Bismarck, ND, to develop a state-of-the art lab	1,400,000	Senator Dorgan
DOE—OE	Energy Development and Reliability, Bismarck State College, Bismarck, ND, to promote and advance the region's energy industry.	300,000	Senator Dorgan
DOE—OE	Integrated Distribution Management System, Southern Company, Birmingham, AL, to provide seamlessly integrated set of information systems providing all of the major functionality needed to operate an electric distribution system.	1,500,000	Senator Shelby
DOE—OE	Iowa Stored Energy Plant, Iowa Associations of Municipal Utilities, Ankeny, IA, for compressed air energy storage project.	1,500,000	Senator Harkin, Grassley
DOE—OE	Navajo Electrification Demonstration Program, Navajo Tribal Utility Authority, Fort Defiance, AZ, to provide electric power to homes on the reservation.	2,000,000	Senators Bingaman, Domenici
DOE—OE	North Dakota Energy Workforce Development, Bismarck State College, Bismarck, ND, for a workforce development programs.	1,900,000	Senator Dorgan
DOE—OE	San Mateo County Solar Genesis Project, County of San Mateo, Redwood City, CA, for a solar power electric generation facility.	1,500,000	Senator Boxer
DOE—OE	SmartGrid Integration Lab, Colorado State University, Ft Collins, CO, to demonstrate core smart grid capabilities.	1,000,000	Senators Allard, Salazar
DOE—OE	Technology Development, Red River Valley Research Corridor, Grand Forks, ND, to promote and advance the research, development and commercialization activities occurring in North Dakota's Red River Valley Research Corridor.	300,000	Senator Dorgan
DOE—SC	Antibodies Research, University of North Dakota Research Foundation, Grand Forks, ND, to research and develop antibodies for disease threats.	2,750,000	Senator Dorgan
DOE—SC	Bionanotechnology: Research and Commercialization, Louisiana Tech University, Ruston, LA, for bionanotechnology and biofuels research.	1,500,000	Senators Landrieu, Vitter
DOE—SC	Center for Advanced Energy Studies, Idaho National Laboratory, Idaho Falls, ID, to conduct a pilot program to demonstrate the Nuclear Science Talent Expansion program.	3,000,000	Senators Craig, Crapo
DOE—SC	Center for Diagnostic Nanosystems, Marshall University, Huntington, WV, for disease detection and diagnosis research.	2,000,000	Senator Byrd
DOE—SC	Center for Nanomedicine and Cellular Delivery, School of Pharmacy, University of MD, Baltimore, MD, for research.	750,000	Senator Mikulski
DOE—SC	Center of Excellence and Hazardous Materials, Carlsbad, NM, for applied research	2,000,000	Senator Domenici
DOE—SC	Climate Change Modeling Capability, Los Alamos National Lab, Los Alamos, NM, for climate change modeling.	5,000,000	Senator Domenici
DOE—SC	Computing Capability, North Dakota State University, Fargo, ND, to increase supercomputing power	5,000,000	Senator Dorgan
DOE—SC	Contrast Media and Wound Closure Reduction Study, University of Mississippi, University of Mississippi, MS, for efficiency in Iodine-based medical imaging for diagnostic procedures.	650,000	Senator Cochran
DOE—SC	Facilitating blood-brain barrier research, Seattle Science Foundation, Seattle, WA, for cooperative research.	1,500,000	Senators Murray, Cantwell
DOE—SC	Former Workers Medical Surveillance Programs, State University of Iowa, Iowa City, IA, for medical surveillance, needs assessment and former worker medical screenings.	1,000,000	Senators Harkin, Grassley

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

Account	Project	Funding	Member
DOE—SC	Functional MRI Research, University of Vermont College of Medicine, Burlington, VT, to support MRI research.	1,250,000	Senator Leahy
DOE—SC	Intermountain Center for River Restoration and Rehabilitation, Utah State University, Logan, UT, to continue researching river restoration and environmental management.	600,000	Senator Bennett
DOE—SC	Marine Systems Research, University of Massachusetts at Boston, Boston, MA, for research into aquatic ecosystems, marine biology, fisheries and mammal sustainability.	500,000	Senators Kennedy, Kerry
DOE—SC	Materials and Energy Research Development, Tulane University, New Orleans, LA, for environmental and materials research.	1,000,000	Senator Landrieu, Vitter
DOE—SC	Matter-Radiation Interactions in Extremes, Los Alamos National Lab, Los Alamos, NM, for advanced materials testing.	7,000,000	Senators Domenici, Bingaman
DOE—SC	Mind Institute, University of New Mexico, Albuquerque, NM, to advance the understanding of mental illness through advanced brain imaging.	12,000,000	Senators Domenici, Bingaman
DOE—SC	Neuroscience research, Dominican University, River Forest, IL, for research in to memory dysfunctions.	500,000	Senator Durbin
DOE—SC	Pioneer Valley Life Sciences Institute Biomedical Research, Pioneer Valley Life Science Institute, Springfield, MA, for research programs.	500,000	Senators Kennedy, Kerry
DOE—SC	Regenerative Medicine, Rosalind Franklin University of Medicine and Science, North Chicago, IL, for regenerative medicine research.	500,000	Senator Durbin
DOE—SC	Research into Proton Beam Thearapy, Seattle Cancer Care Alliance, Seattle, WA, to research new uses for proton beam therapy.	1,500,000	Senator Murray
DOE—SC	Sandia Nanotechnology Engineering Center, Sandia National Lab, Albuquerque, NM, for nanotechnology engineering activities.	5,000,000	Senator Domenici
DOE—SC	Supercapacitors, Sandia National Laboratories, Albuquerque, NM, for work to be done in Ostego, NY on supercapacitors.	1,500,000	Senator Schumer, Bingaman
DOE—SC	Sustainable Biofuels Development Center, Colorado State University, Fort Collins, CO, to support research efforts in alternative energy technologies.	1,500,000	Senator Salazar
DOE—Weapons	Arrowhead Center, New Mexico State University, Las Cruces, NM, to promote prosperity in New Mexico through economic development.	1,000,000	Senator Domenici
DOE–WEAPONS	Electronic Record for Worker Safety and Health, University of Nevada, Las Vegas, Clark County to help the Nevada Site Office improve responses to DOE worker claims.	1,500,000	Senator Reid
DOE—Weapons	Renewable Energy Planning, National Nuclear Security Administration, Nevada Test Site, NV, for planning to maximize renewable energy production at the Site.	500,000	Senator Reid
DOE—Weapons	Restore Manhattan Project Sites, Los Alamos National Lab, Los Alamos, NM, for historic preservation.	500,000	Senator Domenici