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HOUSE OF REPRESENTATIVES

REPORT
111-278

ENERGY AND WATER DEVELOPMENT AND
RELATED AGENCIES APPROPRIATIONS
ACT, 2010

CONFERENCE REPORT

TO ACCOMPANY

H.R. 3183



SEPTEMBER 30, 2009.—Ordered to be printed

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

ELECTRICITY DELIVERY AND ENERGY RELIABILITY

The conference agreement provides \$171,982,000 for Electricity Delivery and Energy Reliability, instead of \$193,008,000 as proposed by the House and \$179,483,000 as proposed by the Senate. The conference agreement provides \$124,900,000 for electricity delivery and energy reliability research and development. No funds are provided for the Grid Materials, Devices, and Systems Energy Innovation Hub.

The conference agreement includes the establishment of a private sector organization to coordinate and conduct cyber security research and development activities, as proposed by the Senate.

Congressionally Directed Projects.—The conference agreement provides \$13,075,000 for the following congressionally directed projects and activities. The agency should remind recipients that statutory cost-sharing requirements may apply to these projects.

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); Stearns	
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

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

Agency	Account	Project	Amount	Requester(s)	
				House	Senate
Department of Energy	Electricity Delivery and Energy Reliability	NAVAJO NATION ELECTRIFICATION PROGRAM (NM)	\$1,750,000		Bingaman, T. Udall
Department of Energy	Electricity Delivery and Energy Reliability	NORTH DAKOTA ENERGY WORKFORCE DEVELOPMENT (ND)	\$1,900,000		Dorgan
Department of Energy	Electricity Delivery and Energy Reliability	OSWEGO COUNTY BOCES WIND TURBINE MODEL PROJECT (NY)	\$200,000	McHugh	Schumer
Department of Energy	Electricity Delivery and Energy Reliability	POWER GRID RELIABILITY AND SECURITY (WA)	\$1,000,000	McMorris Rodgers; Smith (WA)	Murray, Cantwell
Department of Energy	Electricity Delivery and Energy Reliability	POWER MICRO-GRIDS FOR COLONIAS ALONG THE TEXAS/MEXICO BORDER	\$550,000	Cuellar	
Department of Energy	Electricity Delivery and Energy Reliability	SMART GRID INITIATIVE	\$500,000	Schiff; Sherman	
Department of Energy	Electricity Delivery and Energy Reliability	TECHNOLOGY DEVELOPMENT (ND)	\$300,000		Dorgan
Department of Energy	Electricity Delivery and Energy Reliability	UNIVERSITY OF ARIZONA COMPRESSED AIR ENERGY STORAGE	\$500,000	Pastor (AZ)	
Department of Energy	Electricity Delivery and Energy Reliability	UVM SMART ENERGY GRID RESEARCH (VT)	\$500,000		Leahy
Department of Energy	Electricity Delivery and Energy Reliability	WATKINS GLEN, SCHUYLER COUNTY GAS STORAGE PROJECT (NY)	\$500,000	Massa	Gillibrand
Department of Energy	Electricity Delivery and Energy Reliability	WESTERN BALDWIN COUNTY, AL GRID INTERCONNECTION	\$500,000	Bonner	