

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill  
REQUEST FORM**

**Member:** Jeff Bingaman

**Project Name:** Abiquiu Dam, New Mexico

**Project Recipient Name, Phone Number, Address:** ACOE Albuquerque District, 4101  
Jefferson Plaza NE, 87109

**Project Location (if different from above):** Rio Arriba County

**Project Purpose:** Abiquiu Dam is located in Rio Arriba County, approximately 6 miles west of the town of Abiquiu, 32 miles upstream from the confluence of the Rio Chama and the Rio Grande and approximately 120 miles north of Albuquerque, New Mexico. The existing project consists of an earth fill dam 1,800 feet long, 341 feet high, with a 12-foot diameter controlled outlet and an uncontrolled spillway in a natural rock saddle about one mile north of the dam. The dam controls flood waters from a 2,046 square mile drainage area. This project has been operational since 1963. There is a need to modernize and rehabilitate the electrical system including a backup emergency generator. No funding was received in FY09. Abiquiu Dam has an opportunity to provide significant water management benefits for the middle Rio Grande valley. Realizing this opportunity will require a thorough legal review of existing authorities to manage Rio Grande Basin water within the San Juan-Chama supply pool. Routine Operation and Maintenance funding supports 25 Federal positions and could potentially generate another 25 private sector jobs. Full funding of the remaining activities has the potential to generate three private sector jobs as well as support one Federal position.

**Project Benefit to the Taxpayer:** Flood Control Act of 1948, 1950, 1960. Energy and Water Development appropriation bill 2003 for the installation of the Emergency Gates. The project provides flood damage reduction as one unit of the flood control plan for the Rio Grande and Tributaries, New Mexico.

**Agency:** ACOE

**Program Account Name and sub account if applicable:** O&M

**FY 2008 Funding Level (\$ in Thousands):** \$3,659

**FY 2009 Funding Level (\$ in Thousands):** \$2,061

**Member's FY 2010 Funding Request (\$ in Thousands):** \$3,810

**Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company):** Federal Government

**New Study or Construction Start (Y/N):** N

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST FORM**

**Member:** Jeff Bingaman

**Project Name:** Acequias Irrigation System, NM

**Project Recipient Name, Phone Number, Address, email:** Various acequias Associations in New Mexico

**Project Location (if different from above):** same

**Project Purpose:** There are about one thousand acequias throughout the state of New Mexico, most of which are located in north-central New Mexico. The project consists of the protection and restoration of the river diversions and associated canals. To date, sixty-nine acequia restoration and protection projects have been completed.

**Project Benefit to the Taxpayer:** Flood Damage Reduction

**Agency:** Army Corps of Engineers

**Program Account Name and sub account if applicable:** Construction

**FY 2008 Funding Level (\$ in Thousands):** 2,246

**FY 2009 Funding Level (\$ in Thousands):** 1,914

**Member's FY 2010 Funding Request (\$ in Thousands):** 3,070

**Type of Entity:** local governments

**New Study or Construction Start (Y/N):** No

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST FORM**

**Member:** Jeff Bingaman

**Project Name:** Alamogordo, NM

**Project Recipient Name, Phone Number, Address:** City of Alamogordo, 1376 East Ninth Street, Alamogordo, NM 88310

**Project Location (if different from above):** same

**Project Purpose:** The project is located in south central New Mexico in Otero County, in and near Alamogordo, New Mexico. The City is situated at the foot of the Sacramento Mountains near the eastern edge of the Tularosa Basin. The authorized project consists of two concrete and rip-rap lined diversion channels with 100-year flow capacity and a flood detention structure which will intercept flood flows from the Sacramento Mountains east of the City.

**Project Benefit to the Taxpayer:** Reducing the risk of flood and storm damage

**Agency:** Army Corps of Engineers

**Program Account Name and sub account if applicable:** Construction

**FY 2008 Funding Level (\$ in Thousands):** 3,932

**FY 2009 Funding Level (\$ in Thousands):** 4,019

**Member's FY 2010 Funding Request (\$ in Thousands):** 4,200

**Type of Entity:** local government

**New Study or Construction Start (Y/N):** No

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST FORM**

**Member:** Jeff Bingaman

**Project Name:** Alamogordo Desalination Project – Title XVI

**Project Recipient Name, Phone Number, Address:** City of Alamogordo, 1376 E. Ninth St, 88310

**Project Location (if different from above):** Alamogordo, NM

**Project Purpose:** To finalize feasibility studies and environmental reviews for brackish groundwater desalination project. Funding would be used to assess the feasibility and evaluate options for using desalination technology to treat brackish groundwater and provide potable water. The study requires research into the depth, quality, yield, and treatment options related to deep brackish groundwater.

**Project Benefit to the Taxpayer:** To augment usable water supplies through the desalination of brackish water

**Agency:** BOR

**Program Account Name and sub account if applicable:** Water & Related Resources; Upper Colorado Region

**FY 2008 Funding Level (\$ in Thousands):** \$0

**FY 2009 Funding Level (\$ in Thousands):** \$0

**Member's FY 2010 Funding Request (\$ in Thousands):** \$500

**Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company):** Local Government

**New Study or Construction Start (Y/N):** Y

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST FORM**

**Member:** Jeff Bingaman

**Project Name:** Albuquerque Title XVI Water Reuse

**Project Recipient Name, Phone Number, Address:** Albuquerque Bernalillo County  
Water Utility Authority; PO Box 1293 Albuquerque, NM 87103

**Project Location (if different from above):** Albuquerque, NM

**Project Purpose:** As authorized by P.L. 104-266, Sec. 1621, the project purpose is to continue construction of the Southside Municipal Effluent Polish and Reclamation Project to provide treated wastewater effluent for turf irrigation; and to complete feasibility and NEPA documents for other phases of the project including the Tijeras Wastewater Facility and the Bosque Wastewater Reuse facilities.

**Project Benefit to the Taxpayer:** To preserve and protect the Middle Rio Grande aquifer and reduce water consumption in Río Grande basin

**Agency:** BOR

**Program Account Name and sub account if applicable:** Water & Related Resources;  
Upper Colorado Region

**FY 2008 Funding Level (\$ in Thousands):** \$1,476

**FY 2009 Funding Level (\$ in Thousands):** \$1,133

**Member's FY 2010 Funding Request (\$ in Thousands):** \$2,000

**Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company):** Local Government

**New Study or Construction Start (Y/N):** N

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST FORM**

**Member:** Jeff Bingaman

**Project Name:** Alto Dam

**Project Recipient Name, Phone Number, Address:** Village of Ruidoso 313 Cree Meadows, 88345

**Project Location (if different from above):** Ruidoso, NM

**Project Purpose:** To replace the current dam that no longer meets NM Dam Safety Bureau regulations. The dam provides 80% of the community's water supply.

**Project Benefit to the Taxpayer:** To provide a sustained water supply to the community.

**Agency:** BOR

**Program Account Name and sub account if applicable:** Dam Safety Program

**FY 2008 Funding Level (\$ in Thousands):** \$0

**FY 2009 Funding Level (\$ in Thousands):** \$0

**Member's FY 2010 Funding Request (\$ in Thousands):** \$6,000

**Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company):** Local Government

**New Study or Construction Start (Y/N):** Y

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST SHEET**

**MEMBER:** Jeff Bingaman

**Project Name:** Blue Hole Lake State Park, New Mexico (Section 206)

**Project Recipient Name, Phone Number, Address:** City of Santa Rosa, 244 S. 4<sup>th</sup> Street  
Santa Rosa, NM 88435

**Project Location:** Santa Rosa, NM

**Project Purpose:** The study area lies within the corporate limits of the City of Santa Rosa, New Mexico, in Guadalupe County. Ecosystem restoration will occur in four distinct areas: (1) parking area adjacent to Blue Hole; (2) the Blue Hole fishing ponds; (3) the wetland areas south of Blue Hole Lake; and (4) El Rito Creek.

The feasibility study will analyze aquatic ecosystem restoration and protection alternatives in order to improve environmental quality.

**Project Benefit to Taxpayer:** Restoration of significant aquatic ecosystems

**Agency:** Army Corps of Engineers

**Program Account Name and sub account if applicable** ACOE – CAP Sec. 206

**FY 2008 Funding Level (\$ in Thousands):** zero

**FY 2009 Funding Level (\$ in Thousands):** zero

**Member's FY 2010 Funding Request (\$ in Thousands):** 216

**Type of Entity:** Local Government

**New Study or Construction Start:** No

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST FORM**

**Member:** Jeff Bingaman

**Project Name:** Brackish Groundwater Desalination Research

**Project Recipient Name, Phone Number, Address:** NMSU, MSC 3167, P.O. Box 30001,  
Las Cruces, NM, 88003

**Project Location (if different from above):** Doña Ana County, NM

**Project Purpose:** To enter into an agreement with New Mexico State University (NMSU) for research and development activity at the Brackish Groundwater National Desalination Research Facility. (Project Authorization: P.L. 104-298, as amended)

**Project Benefit to the Taxpayer:** To augment usable water supplies through the desalination of brackish water.

**Agency:** BOR

**Program Account Name and sub account if applicable:** Reclamation R&D

**FY 2008 Funding Level (\$ in Thousands):** \$5,805

**FY 2009 Funding Level (\$ in Thousands):** \$3,975

**Member's FY 2010 Funding Request (\$ in Thousands):** \$5,733 (\$2 million above FY10 request)

**Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company):** University

**New Study or Construction Start (Y/N):** N

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST FORM**

**Member:** Bingaman

**Project Name:** Center of Excellence and Hazardous Materials

**Project Recipient Name, Phone Number, Address:** City of Carlsbad, 505 N. Main ,  
Carlsbad, NM 88220

**Project Location (if different from above):**

**Project Purpose:** Center of Excellence for Hazardous Materials Management was established in May 2004 as a 501 (c) (3) organization dedicated to reducing the impact of hazardous materials on the environment. Since its inception, Center of Excellence for Hazardous Materials Management has identified and pursued applied research projects that have national and international implications. The three main projects pursued by the Center of Excellence for Hazardous Materials Management are the Algae/Biodiesel Project, the Biomonitoring Project and the Cooperative Conservation project.

**Project Benefit to the Taxpayer:** This project is dedicated to reducing the impact of hazardous materials on the environment through innovative research, which affects taxpayers everywhere, while also creating jobs in New Mexico.

**Agency:** DOE – requesting an ongoing earmark

**Program Account Name and sub account if applicable:** DOE – Office of Science

**FY 2008 Funding Level (\$ in Thousands):** 1Million

**FY 2009 Funding Level (\$ in Thousands):** 1.9 million

**Member's FY 2010 Funding Request (\$ in Thousands):** 2 million

**Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company):** Not-for-Profit

**New Study or Construction Start (Y/N):** N

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST SHEET**

**MEMBER:** Jeff Bingaman

**Project Name:** Central New Mexico, Environmental Infrastructure (NM)

**Project Recipient Name, Phone Number, Address:** Local governments and tribes in Bernalillo, Valencia, and Sandoval Counties, New Mexico

**Project Location:** Bernalillo, Valencia, and Sandoval Counties in New Mexico

**Project Purpose:** Central New Mexico Environmental Infrastructure was authorized in Section 593 of the Water Resources Development Act of 1999. Section 593 authorizes the Corps of Engineers to provide assistance to non-Federal sponsors in the form of design and construction for water-related environmental infrastructure and resource protection and development of publicly owned projects, including projects for wastewater treatment and related facilities, water supply, conservation, and related facilities, storm water retention and remediation, environmental restoration, and surface water resource protection and development. Sixteen individual PCAs have been signed with a total federal commitment of \$50 million. A total of \$34.4 million has been allocated to date.

**Project Benefit to the Taxpayer:** Flood control, Safe drinking water and wastewater disposal, compliance with federal standards, and improved quality of life.

**Agency:** Army Corps of Engineers

**Program Account Name and sub account if applicable** ACOE – Construction

**FY2008 Funding Level (\$ in Thousands):** 7,380

**FY2009 Funding Level (\$ in Thousands):** 2,871

**Member's FY2010 Funding Request (\$ in Thousands):** 7,200

**Type of Entity:** Local Governments

**New Study or Construction Start (Y/N):** No

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST FORM**

**Member: Bingaman**

**Project Name:** Dine Power Authority of the Navajo Nation Renewable Energy and Transmission Study

**Project Recipient Name, Phone Number, Address:**

Diné Power Authority  
P.O. Box 3239  
Window Rock, AZ 86515

**Project Location (if different from above):** Study would address renewable energy development and transmission capabilities for the Navajo Nation, as well as for New Mexico.

**Project Purpose: (three sentences or less):** This funding would be used by the Dine Power Authority to study transmission issues in three areas: first, identification of sites along existing transmission infrastructure within the Navajo Nation suitable for large-scale renewable energy projects; second, analysis of extension of the Navajo Transmission Project (NTP) line into other areas of New Mexico, including eastern New Mexico to provide a transmission pathway for large-scale renewable energy projects in those areas; and third, an interconnection study to analyze the NTP's potential to provide a pathway across New Mexico for existing and future energy generation out of Texas and other areas east of New Mexico.

**Project Benefit to the Taxpayer: (three sentence or less).** This project would provide the necessary information for the development of transmission for renewable energy projects using both existing transmission lines, and the Navajo Transmission Project, a large-scale transmission project that is in advanced stages of permitting. Funding is authorized through: PUBLIC LAW 109-58, Sec. 505

**SEC. 505. FOUR CORNERS TRANSMISSION LINE PROJECT AND ELECTRIFICATION.**

(a) TRANSMISSION LINE PROJECT.—The Dine Power Authority, an enterprise of the Navajo Nation, shall be eligible to receive grants and other assistance under section 217 of the Department of Energy Organization Act, as added by section 502, and section

2602 of the Energy Policy Act of 1992, as amended by this Act, for activities associated with the development of a transmission line from the Four Corners Area to southern Nevada, including related power generation opportunities.

**Agency** (examples: Army Corps of Engineers, Department of Energy, etc): **DOE**  
**Program Account Name and sub account if applicable:** Energy Efficiency and Renewable Energy Projects

**FY 2008 Funding Level (\$ in Thousands):** In FY 2008, the Dine Power Authority received an earmark for approximately \$493,000 (four hundred ninety three thousand dollars) for renewable development in general, but not for a renewable energy development transmission study in particular.

**FY 2009 Funding Level (\$ in Thousands):** 0

**Member's FY 2010 Funding Request (\$ in Thousands):** \$100

**Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company):** Tribal Government Entity

**New Study or Construction Start (Y/N):** Y

## **FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

### **REQUEST FORM**

**Member:** Bingaman

**Project Name:** Drill String Radar (DSR) Technology for Advanced Horizontal Drilling Applications Program

**Project Recipient Name, Phone Number, Address:**

Stolar Research Corporation  
848 Clayton Highway  
Raton, New Mexico 87740

**Project Location (if different from above):** Same as above

**Project Purpose (three sentences or less):**

The Drill String Radar (DSR) Technology for Advanced Horizontal Drilling Applications Program will continue the development and field-testing of an innovative technology capable of advancing the state-of-the-art in horizontal drilling. The DSR technology will allow real-time measurement-while-drilling (MWD) for guidance and navigation of drill rods. This geosteering capability will reduce drilling time and cost, while determining formation height and elevation change, and facilitating boundary rock mapping.

**Project Benefit to the Taxpayer (three sentence or less):**

Use of the DSR technology will avoid inefficient, time-consuming, and costly sidetracks while drilling horizontally. Important applications of the DSR technology include oil and gas production from horizontal wells, coal bed methane (CBM) production, coal mine methane (CMM) recovery, and steam-assisted, gravity-drainage (SAGD) extraction of heavy oils.

**Agency:** Department of Energy (DOE)

**Program Account Name and Subaccount, If Applicable:** DOE-energy supply

**FY 2008 Funding Level (\$ in Thousands):** \$0

**FY 2009 Funding Level (\$ in Thousands):** \$0

**Member's FY 2010 Funding Request (\$ in Thousands):** \$2,500

**Type of Entity:** Private company

**New Study or Construction Start (Y/N):** Yes, new study

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill  
REQUEST FORM**

**Member:** Jeff Bingaman

**Project Name:** Chimayo Water Supply System

**Project Recipient Name, Phone Number, Address:** Greater Chimayo Mutual domestic  
Water Association, PO Box 580, 87522

**Project Location (if different from above):** Chimayo, NM

**Project Purpose:** To construct storage tanks, develop additional groundwater supplies, and extend water lines for this regional water system. This regional water supply project (P.L. 108-354) was authorized to address drought-related emergencies limiting the water supply available in the Greater Chimayo area. An additional \$1.6 million is needed under the authorization to construct storage tanks, develop additional groundwater supplies, and extend water lines. The project has completed environmental reviews and the funding would help complete certain phases that will accelerate the communities' ability to benefit from the project.

**Project Benefit to the Taxpayer:** To address drought-related emergencies limiting the water supply available in the Greater Chimayo area

**Agency:** BOR

**Program Account Name and sub account if applicable:** Water & Related Resources;  
Upper Colorado Region

**FY 2008 Funding Level (\$ in Thousands):** \$492

**FY 2009 Funding Level (\$ in Thousands):** \$0

**Member's FY 2010 Funding Request (\$ in Thousands):** \$1,600

**Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company):** Local Government

**New Study or Construction Start (Y/N):** N

**FY 2010 Energy and Water Development Subcommittee Appropriations Bill**

**REQUEST FORM**

**Member:** Bingaman

**Project Name:** City of Belen Carbon Neutral Energy Initiative

**Project Recipient Name, Phone Number, Address:** City of Belen  
100 South Main Street Belen, NM. 87002.

**Project Location (if different from above):**

**Project Purpose: (three sentences or less)** The Project will offset 1.9 Megawatts of coal fired grid electricity through the purchase and installation of solar power generation equipment. The appropriation will fund equipment, equipment installation and the latest in solar power photovoltaic technology along with the highest quality in direct grid feed generation through the use of Stirling Solar Dish technology and thermal solar hot water generation for our community center. Solar dish and Photovoltaic technology will be installed at City Hall, Community Center and the public library completely offsetting the reliance of coal fired grid electricity. Stirling Solar dish technology will be installed at each of the five water well pump houses and the waste water treatment plant completely offsetting the reliance of coal fired grid electricity. Total utility cost savings is over \$300,000 per year and removes 89,125 Tons of green house gasses from the atmosphere per year. All solar power generation equipment will be connected to a "net meter" for proper credit and power assumptions.

**Project Benefit to the Taxpayer: (three sentence or less):** will reduce carbon emissions of a local New Mexico City

**Agency** (examples: Army Corps of Engineers, Department of Energy, etc): **DOE**

**Program Account Name and sub account if applicable** (examples: ACOE – General Investigations, Construction, General, Operations and Maintenance; DOE-science, energy supply, weapons): Energy Supply - EERE

**FY 2008 Funding Level (\$ in Thousands): 0**

**FY 2009 Funding Level (\$ in Thousands): 0**

**Member's FY 2010 Funding Request (\$ in Thousands): \$20,470.956 (\$20,470,956)**

**Type of Entity:** Local Government

**New Study or Construction Start (Y/N): Y**