

FY 2010 Energy and Water Development Subcommittee Appropriations Bill

REQUEST FORM

Member: Jeff Bingaman

Project Name: Cochiti Lake, NM

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

Project Location (if different from above): Cochiti, NM

Project Purpose: The dam is located on the Pueblo de Cochiti lands, approximately 50 miles upstream from Albuquerque, New Mexico on the Rio Grande. The project consists of an earth fill dam about 5.4 miles long with a maximum height of 251 feet above streambed. The project extends generally in an east/west line across the Rio Grande to a point about 2 miles east of the Rio Grande and then southward across the Santa Fe River. The dam controls flood waters from an 11,695 square mile drainage area. Project has been operational since 1976. There have been on-going discussions for several years with the Pueblo de Cochiti regarding the need to rehabilitate and modernize the Cochiti Campground. Congressional add funding for designs, plans and specifications and construction of a portion of the campground was received in FY07 and FY08. No campground construction funding was received in FY09. Funding for on-going Endangered Species Act Biological Opinion (BiOp) related work for the Cochiti Baseline has been provided through FY08. No funding was provided in FY09 to continue BiOp required work. Cochiti Lake has an opportunity to provide significant water management benefits for the middle Rio Grande valley. Realizing this opportunity will require changes to operations currently constrained by downstream conditions. Since changes will also impact Pueblo de Cochiti resources and interests, they must be addressed and closely coordinated with the Pueblo. Routine Operation and Maintenance funding (which includes the baseline study) supports 25 Federal positions and could potentially generate another 25 private sector jobs. Full funding of the remaining activities has the potential to generate 46 private sector jobs as well as support six Federal positions.

Project Benefit to the Taxpayer: P.L. 86-645 Flood Control Act of 1960, supplemental authorization PL 88-293 and the 1976 Water Resources Development Act (PL 94-587). 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): \$11,852

FY 2009 Funding Level (\$ in Thousands): \$2,220

Member's FY 2010 Funding Request (\$ in Thousands): \$9,931

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: Conchas Lake, NM

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

Project Location (if different from above): San Miguel County

Project Purpose: The dam is located in San Miguel County, New Mexico, on the Canadian River Canyon, just below the confluence of the Canadian and Conchas Rivers. The dam consists of a concrete gravity main section 1,250 feet long with a maximum height of 200 feet above streambed with earth dikes on each side having an over/all length of about 3.1 miles. The dam controls flood waters from a 7,409 square mile drainage area. Project has been operational since 1939. There have been on-going discussions for several years with the local community and New Mexico State Parks representatives regarding the need to rehabilitate and modernize the Southside Recreation area. Congressional add funding for some on-the-ground rehabilitation work, and designs, plans and specifications for the campground was received in FY08. No campground construction funding was received in FY09. Routine Operation and Maintenance funding supports 14 Federal positions and could potentially generate another 14 private sector jobs. Full funding of the remaining activities has the potential to generate 51 private sector jobs as well as support nine Federal positions.

Project Benefit to the Taxpayer: The project provides flood damage reduction as one unit of the flood control plan for the Canadian River and its Tributaries. Emergency Relief Act of 1935, P.L. 74-738 Flood Control Act of 1936 and amended by the Flood control Act 1938.

Agency: ACOE

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

FY 2008 Funding Level (\$ in Thousands): \$8,449

FY 2009 Funding Level (\$ in Thousands): \$1,082

Member's FY 2010 Funding Request (\$ in Thousands): \$10,476

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: Eastern New Mexico Rural Water System

Project Recipient Name, Phone Number, Address: Eastern New Mexico Rural Water Authority (ENMRWA) Clovis, NM;

Project Location (if different from above): Clovis and Portales, NM

Project Purpose: The purpose is for design and construction of intake screens in the reservoir, tunnel, and forebay at Ute Reservoir.

Project Benefit to the Taxpayer: Recently authorized by P.L. 111-11, Sec. 9103, the project will ensure a sustainable water supply and long-term security for communities in Eastern New Mexico while reducing demand on the Ogallala Aquifer.

Agency: BOR

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

FY 2008 Funding Level (\$ in Thousands): \$246,000

FY 2009 Funding Level (\$ in Thousands): \$242,000

Member's FY 2010 Funding Request (\$ in Thousands): \$10,000

Type of Entity: 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: Economic Development Infrastructure Projects

Project Recipient Name, Phone Number, Address: City of Carlsbad,
101 N. Halagueno, Carlsbad, NM 88220

Project Location (if different from above):

Project Purpose: These funds will be used to help the City of Carlsbad create jobs, infrastructure and additional education to help make up for the negative impact the City will experience due to the accelerated closure of WIPP. The accelerated WIPP closure will save the Department of Energy over 2 billion dollars.

Project Benefit to the Taxpayer: This project is designed to prepare the host community for the accelerated completion of the WIPP mission by improving local infrastructure projects and educational opportunities. Additionally, the acceleration of the WIPP disposal mission will save the Department of Energy 2 billion dollars.

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): DOE – Environmental Management

FY 2008 Funding Level (\$ in Thousands): 3.5 Million

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

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

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

FY 2010 Energy and Water Development Subcommittee Appropriations Bill

REQUEST FORM

Member: Bingaman

Project Name – Energy Surety Research Center

Project Recipient Name, Phone Number, Address: New Mexico Tech University,
801 Leroy Place, Socorro, New Mexico

Project Location (if different from above): Energy surety Research Center at Playas,
NM

Project Purpose: Playas Training and Research Center is currently being used for energy research projects including the Grid Reliability and Distributed Renewable Energy Research Project funded by the US DOE. DHS training of first responders and testing of new methods for responding to homeland security threats. Other entities of DOD are also actively using PTRC for conducting homeland defense exercises.

Project Benefit to the Taxpayer: This project will provide the country, the state and local governments with Renewable Distributed Energy Technologies.

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

Program Account Name and sub account if applicable: **DOE-Energy Supply**

FY 2008 Funding Level (\$ in Thousands): \$2 M

FY 2009 Funding Level (\$ in Thousands): \$1.4 M

Member's FY 2010 Funding Request (\$ in Thousands): \$6M

Type of Entity Non-Profit

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

FY 2010 Energy and Water Development Subcommittee Appropriations Bill

REQUEST FORM

Member: Jeff Bingaman

Project Name: Española Valley, Rio Grande and Tributaries, New Mexico

Project Recipient Name, Phone Number, Address: Indian Pueblos of Ohkay Owingeh, Santa Clara, and San Ildefonso, New Mexico

Project Location (if different from above): same

Project Purpose: The watershed study area is located in the Española Valley in north-central New Mexico. This cost-shared watershed study will be a cooperative effort with the three Native American tribes of Ohkay Owingeh, Santa Clara, and San Ildefonso. The Pueblos will cost share and participate equally as the non-Federal sponsors for the watershed study. The primary purpose of this study is ecosystem restoration along the Rio Grande. Restoration features will improve and increase riparian woodland, riparian shrub, and emergent wetland habitat in the study area, including habitat of the endangered Rio Grande Silvery Minnow and the Southwestern Willow Flycatcher. The study will also investigate flood damage reduction and ancillary recreation measures.

Project Benefit to the Taxpayer: Ecosystem Restoration

Agency: Army Corps of Engineers

Program Account Name and sub account if applicable: General Investigations

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

FY 2009 Funding Level (\$ in Thousands): 382

Member's FY 2010 Funding Request (\$ in Thousands): 345.7

Type of Entity: Indian Tribes

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

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

Member: Jeff Bingaman

Project Name: Farmers Mutual Ditch Landslide Project; San Juan River Recovery Program

Project Recipient Name, Phone Number, Address: San Juan Water Commission, 7450
East Main St Suite B, 87402

Project Location (if different from above): San Juan County, NM

Project Purpose: To permanently protect the Farmers Mutual Ditch from failures resulting from landslides near the San Juan River. As a result of a landslide on April 10, 2007 that destroyed a portion of the Farmers Mutual Ditch between Farmington and Kirtland, which discharged significant sediment into the critical habitat of the San Juan River, Governor Richardson issued a disaster declaration which provided \$750,000 to protect lives and property. An emergency repair of the canal was completed in 2007 but did not provide a permanent solution to protect from future landslide induced failures.

Project Benefit to the Taxpayer: To prevent landslides that wash large volumes of sediment into critical habitat of the San Juan River and damage efforts to recover endangered fish species. (Project Authorization: P.L. 111-11, Sec. 9107)

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): \$9,000

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 FORM

Member: Jeff Bingaman

Project Name: Galisteo Dam, New Mexico

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

Project Location (if different from above): Santa Fe County

Project Purpose: The dam is located in Santa Fe County, New Mexico, approximately 40 miles north of Albuquerque along Galisteo Creek. The creek is a tributary to the Rio Grande, and enters the river just south of Cochiti Dam. The project consists of an earth fill dam 3,210 feet long with a maximum height of 165 feet above the streambed. The dam controls flood waters from a 596 square mile drainage area. Project has been operational since 1970. District staff completed a disposal report in 2008 for the purpose of transferring 310 acres of excess land downstream of Galisteo Dam to the Santo Domingo Pueblo. Formal acceptance of the land is pending in BIA headquarters. Routine Operation and Maintenance funding supports five Federal positions and could potentially generate another five private sector jobs. Full funding of the remaining activity has the potential to generate two private sector jobs.

Project Benefit to the Taxpayer: P.L. 86-645 Flood Control Act of 1960. The project provides flood damage reduction as one unit of the flood control plan for the Rio Grande and its Tributaries.

Agency: ACOE

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

FY 2008 Funding Level (\$ in Thousands): \$1,356

FY 2009 Funding Level (\$ in Thousands): \$393

Member's FY 2010 Funding Request (\$ in Thousands): \$866

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

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REQUEST FORM

Member: Bingaman

Project Name: Global Seismographic Network Equipment Renewal

Project Recipient Name, Phone Number, Address: Incorporated Research Institutions for Seismology (IRIS) 1200 New York Avenue, NW, Suite 800, Washington DC 20005

Project Location (if different from above): IRIS members (and data users) include Los Alamos National Laboratory, New Mexico Institute of Mining and Technology, and New Mexico State University

Project Purpose: The Global Seismographic Network (GSN) is the core national system for tsunami warning, earthquake research and education, and monitoring the world for nuclear explosions. This system represents a \$100,000,000 taxpayer investment that requires an equipment upgrade (existing sensors, electronics, and data acquisition are more than 15 years old and difficult to maintain). It is essential to invest in new equipment in order to sustain and revitalize the GSN as a multiuse, multi-agency national resource.

Project Benefit to the Taxpayer: This modest investment in equipment renewal will allow continued access to critical data from the Global Seismographic Network that is used in tsunami warning, earthquake research and international nuclear explosions monitoring.

Agency (examples: Army Corps of Engineers, Department of Energy, etc): **DOE**
Program Account Name and sub account if applicable: DOE, National Nuclear Security Administration, Nonproliferation and Verification Research and Development, Detonation Detection Program.

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

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

Member's FY 2010 Funding Request (\$ in Thousands): \$5,200

Type of Entity: 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: Hatch, New Mexico (Section 205)

Project Recipient Name, Phone Number, Address: Village of Hatch, PO Box 220,
Hatch, NM 87937

Project Location: Hatch, NM

Project Purpose: The study is located in Hatch, NM. The purpose of the feasibility study is to determine Federal interest and optimize a flood damage reduction plan for the city of Hatch. Structures and roadways have been impacted by flows from the surrounding mountains, significantly flooding the community three times in the last 15 years, most recently in July 2006. Flooding originates from two sources-Spring Canyon and Placitas Arroyo. Initial investigations determined that there is a likely Federal interest in constructing flood control projects in the area, the most probable alternative being a small dam at Spring Canyon.

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

Agency: Army Corps of Engineers

Program Account Name and sub account if applicable ACOE – CAP Sec. 205

FY 2008 Funding Level (\$ in Thousands): 889

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

Member's FY 2010 Funding Request (\$ in Thousands): 3,538

Type of Entity: Local Government

New Study or Construction Start: No

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REQUEST FORM

Member: Bingaman

Project Name: High Bandwidth, High Energy Storage, Exawatt Laser Glass Development

Project Recipient Name, Phone Number, Address: SCHOTT North America, Inc,
Arlington, VA. 22202, New Mexico Facility Address: 5201 Hawking Drive SE, Albuquerque,
New Mexico, 87106

Project Location (if different from above): Sandia National Lab, SCHOTT North
America, University of Texas, Austin, Logos Technologies, Arlington, Va.

Project Purpose: (three sentences or less): The purpose of this project is to design the world's most powerful laser. This will be done by developing the enabling laser glass technology and using a solid-state glass laser architecture to achieve peak power of 10^{18} watts (exawatt) and pulse width $\sim 10^{-13}$ sec (~ 100 femtoseconds).

Project Benefit to the Taxpayer: (three sentence or less): The Exawatt Laser technology R&D proposed in this program is very timely and needed now to retain the US lead in the science and industrial base required for high intensity lasers. The wide range of photons, electrons, neutrons, protons, heavy ions, and elementary particles produced by the laser, would have multiple applications, including fundamental particle physics, the study of materials subjected to intense radiation fields, active interrogation for identifying WMD materials, and advanced cancer therapy. The extreme high energy density produced by an Exawatt can also enable novel approaches to controlled fusion energy generation.

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

Program Account Name and sub account if applicable: DOE Title III, The National Nuclear Security Administration (NNSA), Inertial Confinement Fusion Campaign

FY 2008 Funding Level (\$ in Thousands): N/A

FY 2009 Funding Level (\$ in Thousands): N/A

Member's FY 2010 Funding Request (\$ in Thousands): \$3.5M

Type of Entity: Sandia (Federal), University of Texas (State), SCHOTT and Logos Technologies (Private)

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

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Member: Jeff Bingaman

Project Name: Inspection of Completed Works, NM

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

Project Location (if different from above): Statewide

Project Purpose: Inspection of completed works under this program includes flood control projects transferred to local interests for operation and maintenance. This program includes 1st and 2nd periodic inspections of high hazard dams as well as inspections and continuing evaluations of all other completed flood control projects. There are six Unacceptable Ratings: Reserve-Starkweather Creek-Fairgrounds Rehabilitated Levees (Reserve, NM); Corrales Levee Unit (Corrales, NM); Socorro Diversion Channel (Socorro, NM); Abeytas to Bernardo; Albuquerque Middle Rio Grande Levees; Glenwood Whitewater Creek Levee. Funding for this activity would support four Federal positions and could potentially generate another four private sector jobs.

Project Benefit to the Taxpayer: Inspections are to ensure that the projects perform as designed.

Agency: ACOE

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

FY 2008 Funding Level (\$ in Thousands): \$866

FY 2009 Funding Level (\$ in Thousands): \$753

Member's FY 2010 Funding Request (\$ in Thousands): \$836

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: Janes-Wallace Memorial Dam, Santa Rosa, NM (Sec. 206)

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

Project Location: Santa Rosa, NM

Project Purpose: The Janes-Wallace Memorial Dam is located on El Rito Creek near the city of Santa Rosa, in east central New Mexico. The dam was damaged by a flood in May 1999, and, as a result, the state of New Mexico breached the dam. This has led to a decrease in the quantity and quality of aquatic habitat and an increase in exotic vegetation. The feasibility study will analyze potential aquatic ecosystem restoration and protection alternatives in order to improve environmental quality.

Project Benefit to the Taxpayer: Ecosystem Restoration.

Agency: Army Corps of Engineers

Program Account Name and sub account if applicable: ACOE – CAP sec. 205

FY 2008 Funding Level (\$ in Thousands): 35

FY 2009 Funding Level (\$ in Thousands): 315

Member's FY 2010 Funding Request (\$ in Thousands): 315

Type of Entity: Local Government

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