

FY 2010 Energy and Water Development Subcommittee Appropriations Bill REQUEST FORM

Member: Senator Jeff Bingaman

Project Name: Navajo-Gallup Water Supply

Project Recipient Name, Phone Number, Address: Navajo Nation Washington Office, 750
First Street, NE, Suite 1010, 20002

Project Location (if different from above): McKinley & San Juan Counties, NM

Project Purpose: Recently authorized by P.L.111-11, Sec. 10602, the purpose of the funding is for planning, design, and construction of the Navajo-Gallup Water Supply Project, including the Cutter Later Regional System and the Gallup Regional System.

Project Benefit to the Taxpayer: The Navajo-Gallup Water Supply project is a key part of the water rights settlement in the San Juan basin. This will ensure a sustainable water supply for the Navajo Nation and non-Indian water users in the basin and avoid adjudication by the courts. Although Federal authorization for constructing the project was just secured, the State of NM and Navajo Nation have already invested well over \$25 million towards the distribution lines and other infrastructure necessary to complete the project.

Agency: BOR

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

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

FY 2009 Funding Level (\$ in Thousands): \$700

Member's FY 2010 Funding Request (\$ in Thousands): \$5,000

Type of Entity: Federally recognized tribe

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

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REQUEST FORM

Member: Jeff Bingaman

Project Name: Navajo Nation Abandoned Uranium Mine Restoration Program

Project Recipient Name, Phone Number, Address: Navajo Nation
Building #3783, Window Rock Blvd. P.O. Box 1875 Window Rock, Arizona 86515

Project Location (if different from above): Cove, Arizona; Red Valley/Oakspring,
Arizona/New Mexico; and Red Mesa/Tse Tah, Arizona.

Project Purpose: Initiate two (2) pilot project studies on associated watershed evaluations within two (2) mining areas. Third project will be the Environmental reclamation of inaccessible mine waste utilizing advances in technology and new concepts. The projects will be utilizing the technical assistance and expertise of the U.S. Army Corp of Engineers.

Project Benefit to the Taxpayer: The Environmental reclamation will remove the remaining uranium mine waste that is draining into nearby water-ways, thus eliminating or reducing the impacts to the public, livestock and wildlife of radionuclide related problems. The water shed evaluations will assist in the determination of future impacts to the water-ways related to the historical uranium mining industry. Lands will be more beneficial for everyday use without the fears related to the uranium mines.

Agency: Army Corps of Engineers

Program Account Name and sub account if applicable:

FY 2008 Funding Level (\$ in Thousands):	\$ 0
FY 2009 Funding Level (\$ in Thousands):	\$ 97 (ear-marked)
Member's FY 2010 Funding Request (\$ in Thousands):	\$ 250
Type of Entity: Navajo Nation Department	

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

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REQUEST FORM

Member: Jeff Bingaman

Project Name: Navajo Reservation Aquatic Ecosystem Restoration Implementation

Project Recipient Name, Phone Number, Address: U.S. Army Corps of Engineers, Albuquerque District, 4101 Jefferson Plaza NE, Albuquerque, NM, 87109

Project Location (if different from above: San Juan River within the Navajo Reservation in New Mexico.

Project Purpose The project will implement large scale aquatic ecosystem restoration projects in the San Juan River watershed within the Navajo Nation. The river supports two federally endangered fish species, the Colorado pike minnow and razorback sucker, and its water quality and quantity are degraded by oil and gas drilling, water development and withdrawals, and runoff from agricultural lands. The restoration will focus on aquatic ecosystem habitats, invasive species removal and stream channel reconstruction.

Project Benefit to the Taxpayer: The project will restore aquatic ecosystem habitat, remove invasive species, mitigate the effects of water uses and withdrawals on endangered fish species that are native to the river system, and engage the Navajo Nation in restoration activities.

Agency: Army Corps of Engineers

Program Account Name and sub account if applicable: ACOE – Continuing Authorities

FY 2008 Funding Level (\$ in Thousands): none

FY 2009 Funding Level (\$ in Thousands): none

Member's FY 2010 Funding Request (\$ in Thousands): 510

Type of Entity Federal, Tribal and Not-for-Profit (The Nature Conservancy)

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

FY 2010 Energy and Water Development Subcommittee Appropriations Bill

REQUEST SHEET

MEMBER: Jeff Bingaman

Project Name: Navajo Nation Electrification Program

Project Recipient Name, Phone Number Address: The Navajo Tribal Utility Authority, PO Box 170, Fort Defiance, AZ

Project Location: The Navajo Nation in Arizona, New Mexico, and Utah

Project Purpose: Seventh-year funding is requested for the Navajo Electrification Demonstration Program authorized in P.L. 106-511, section 602. The act authorizes the Secretary of Energy to provide grants to the Navajo Nation to provide electric power to homes on the reservation.

Project Benefit to the Taxpayer: The Navajo Nation extends across three states, Arizona, New Mexico, and Utah with a total area of 27,000 square miles. Comparable in size to West Virginia, the area is larger than 10 of the 50 states. According to recent statistics, 56% of Navajo people live below the poverty and the unemployment rate exceeds 43%. More than 37% on the Navajo Reservation are without electricity. These 18,000 homes represent 75% of ALL homes in the US that are without access to electric power.

Agency: Department of Energy

Program Account Name and sub account if applicable: Electricity Delivery and Energy Reliability

FY2008 Funding Level (\$ in Thousands): 2,000

FY2009 Funding Level (\$ in Thousands): 1,903

Member's FY2010 Funding Request (\$ in Thousands): 2,000

Type of Entity: Indian Tribe

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REQUEST FORM

Member: Jeff Bingaman

Project Name: Navajo Reservation Watershed Management, Restoration and Development

Project Recipient Name, Phone Number, Address: U.S. Army Corps of Engineers, Albuquerque District, 4101 Jefferson Plaza NE, Albuquerque, NM, 87109

Project Location (if different from above: San Juan River within the Navajo Reservation in NM and UT

Project Purpose: The project will build upon U.S. Fish and Wildlife Service endangered species recovery programs for the Colorado pike minnow and razorback sucker and integrate conservation plans already developed by the Navajo Nation in a broad and comprehensive strategy formulated collaboratively with the Tribe, agencies and partners to ensure basin-wide river conservation and restoration.

Project Benefit to the Taxpayer: The completed conservation action plan for the San Juan River watershed will engage partners and the Navajo Nation in collaborative watershed management, provide a framework for more effective investment of federal funding for endangered species recovery and aquatic ecosystem restoration (investment in FY2009 alone was \$2.4 million) and leverage private foundation investment in conservation of the San Juan River watershed.

Agency: Army Corps of Engineers

Program Account Name and sub account if applicable: ACOE – General Investigations

FY 2008 Funding Level (\$ in Thousands): none

FY 2009 Funding Level (\$ in Thousands): none

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

Type of Entity Federal, Tribal and Not-for-Profit (The Nature Conservancy)

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

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REQUEST FORM

Member: Senator Bingaman

Project Name: Next Generation Nuclear Fuel Cycle System Analysis

Project Recipient Name, Phone Number, Address: Sandia National Laboratories, 1515 Eubank Blvd. SE, Albuquerque, NM 87123

Project Location (if different from above):

Project Purpose: (three sentences or less): This request is to develop a Next Generation Nuclear Fuel Cycle System Analysis project, with the intent of supporting DOE/NE in delivering to Congress within 1 year a set of policy recommendations and technology roadmaps that establish a national agenda leading to implementation of a next generation nuclear fuel cycle in a manner and timeframe sufficient to address U.S. national and energy security goals.

Project Benefit to the Taxpayer: (three sentences or less): If the U.S. leads the effort to define a globally-acceptable next generation fuel cycle, it will lend credibility to the U.S. ability to affect international standards, and provide assurance to those countries who chose to follow the U.S. model for nuclear energy implementation during the first generation. Failure to assert leadership in this emerging field could mean the U.S. will be in a weakened and reactive mode, responding to those countries who assume the leadership role.

Agency: DOE

Program Account Name and sub account if applicable: DOE – Nuclear Energy

FY 2008 Funding Level (\$ in Thousands): n/a

FY 2009 Funding Level (\$ in Thousands): n/a

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

Type of Entity: Federal

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

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REQUEST FORM

Member: Senator Bingaman

Project Name: Nonproliferation & Verification Research and Development [NNSA-wide]

Project Recipient Name, Phone Number, Address: NNSA, Washington, D.C. 20585

Project Location (if different from above):

Project Purpose: A primary purpose of Nonproliferation & Verification R&D is to increase Defense Nuclear Nonproliferation's role in investing in core capabilities and infrastructure, including sustained multi-year funding for specified capabilities. This program meets unique challenges and plays an important role in the federal government by driving basic science discoveries and developing new technologies applicable to nonproliferation, homeland security, and national security needs.

Project Benefit to the Taxpayer: This program reduces the threat to national security posed by nuclear weapons proliferation/detonation or the illicit trafficking of nuclear materials through the long-term development of new and novel technology. The program will have to significantly scale back its goals if FY10 funding remains at the budget amount of \$297M.

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

Program Account Name and sub account if applicable: DOE-NNSA- Defense Nuclear Nonproliferation – Nonproliferation and Verification R&D

FY 2008 Funding Level (\$ in Thousands): \$379,649 [NNSA-wide]

FY 2009 Funding Level (\$ in Thousands): \$363,792 [NNSA-wide]

Member's FY 2010 Funding Request (\$ in Thousands): \$363,792 [NNSA-wide] (same as FY09, and up \$66,492 from the current FY10 budget)

Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company): Department of Energy government-owned, contractor-operated laboratories.

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

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REQUEST SHEET

MEMBER: Jeff Bingaman

Project Name: Otero County, NM, Flood Damage Reduction

Project Recipient Name, Phone Number, Address: Otero County Courthouse, 1000 New York Ave, Room 101, Alamogordo, NM 88310

Project Location: Otero County, NM

Project Purpose: The County has requested assistance in evaluating the flood prone areas in unincorporated Otero County. Areas of special concern include Coyote Canyon, Laborcita Canyon, Nogal County, Alamo Canyon, San Andreas Canyon and Dog Canyon. During high precipitation events in these canyons the following communities were impacted: Alamogordo, Tularosa, Bent, La Luz, Boles Acres, and Oro Vista.

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 – General Investigations

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

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

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

Type of Entity: Local Government

New Study or Construction Start: Yes

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REQUEST FORM

Member: Jeff Bingaman

Project Name: Pecos River Environmental Management Planning

Project Recipient Name, Phone Number, Address: U.S. Army Corps of Engineers, Albuquerque District, 4101 Jefferson Plaza NE, Albuquerque, NM, 87109

Project Location (if different from above): The lower Pecos River in New Mexico from Santa Rosa dam to the Texas border.

Project Purpose The requested appropriation for basin-wide Pecos River conservation planning will outline the necessary conservation actions to minimize risks to biodiversity and endangered species (such as the Pecos bluntnose shiner) and to meet the water management needs of the lower Pecos River's human and biological communities.

Project Benefit to the Taxpayer: The project will improve the effectiveness and coordination of management efforts by the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service and U.S. Bureau of Reclamation within the region and will involve stakeholders and private landowners in developing a conservation action plan to sustain water for listed species and human needs.

Agency: Army Corps of Engineers

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

FY 2008 Funding Level (\$ in Thousands): none

FY 2009 Funding Level (\$ in Thousands): none

Member's FY 2010 Funding Request (\$ in Thousands): 840

Type of Entity Federal and not-for-profit (The Nature Conservancy)

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

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REQUEST FORM

Member: Bingaman

Project Name: Photovoltaic Landfill Project

Project Recipient Name, Phone Number, Address: Los Alamos County, P.O. Box 30,
Los Alamos, NM 87544

Project Location (if different from above): Los Alamos County, NM

Project Purpose: (three sentences or less) A joint study by Los Alamos National Laboratory ("LANL") and the County identified the need for up to an additional 10 MW of power for primary LANL peak electrical power demand. In order to meet the demand through renewable energy, LANL and the County developed a plan for a photovoltaic plant ("PV Plant"), on top of an existing County landfill that is being closed this year. The PV Plant will provide electrical power to LANL during peak demand times.

Project Benefit to the Taxpayer: (three sentence or less) Construction would utilize components manufactured within the United States and New Mexico. In order to construct the PV Plant, an estimated 60-70 people will be employed for approximately 18 months, and several people will be employed on an on-going basis once the PV Plant is completed. The County will pay \$50,000,000 of the \$70,000,000 project that will benefit DOE/NNSA and the County promote alternative energy use in New Mexico

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

Program Account Name and sub account if applicable (examples: ACOE – General Investigations, Construction, General, Operations and Maintenance; DOE-science, energy supply, weapons): DOE, NNSA, Facilities Infrastructure and Recapitalization

FY 2008 Funding Level (\$ in Thousands): n/a

FY 2009 Funding Level (\$ in Thousands): n/a

Member's FY 2010 Funding Request (\$ in Thousands): \$20,000

Type of Entity: Local Government, Los Alamos County (the utility provider to DOE/NNSA)

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

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REQUEST FORM

Member: Bingaman

Project Name : Reducing the Cost of Wind-Developed Electricity Through Application of Advanced Manufacturing Technology

Project Recipient Name, Phone Number, Address: Sun Country Industries, 6801 Gruber Ave, NE, Albuquerque, NM 87113

Project Location (if different from above):

Project Purpose: (three sentences or less)

Manufactured from steel alloys, the teeth of wind turbine gears wear and break during operation creating the need for refurbishment of the gears. This program will develop and demonstrate a gear refurbishment system employing three advanced manufacturing technologies that will provide for:

- Refurbishment of worn and damaged wind turbine gears, to return them to service instead of being discarded and replaced by new gears
- Surface properties that will provide longer life for the refurbished gears, along with quieter operation

Project Benefit to the Taxpayer: The cost of wind-developed electricity will be reduced.

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

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

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

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

Member's FY 2010 Funding Request (\$ in Thousands): \$4,100

Type of Entity (Federal, State, or Local Government, University, Not-for-Profit, or Private Company): Small for-profit companies in association with a university.

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

FY 2010 Energy and Water Development Subcommittee Appropriations Bill

REQUEST FORM

Member: Bingaman

Project Name Renewable and Alternate Energy Project: Los Angeles landfill gas-to-energy system

Project Recipient Name, Phone Number, Address: City of Albuquerque, Bernalillo County
One Civic Plaza NW 3rd floor, room 3023 Albuquerque, NM 87102

Project Location (if different from above): 4300 Alameda Blvd, NE Albuquerque, NM

Project Purpose: Currently only about 25% of the available landfill gas at the Los Angeles facility is used in generating electricity and maintaining the flare operation. Three additional micro-turbines will convert the remaining available landfill gas to electricity, which will be supplied to the local electric utility grid. Revenue, from the sale of electricity will fund operations and management of the projects and fund innovative enhancements

Project Benefit to the Taxpayer: Benefit includes the elimination of potential danger from explosive gas in developing areas surrounding the landfill. This will help encourage the development of City infill areas where infrastructure exists, reduce Carbon emissions caused by flaring excess landfill gas and supply the local utility with additional green energy.

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

Program Account Name and sub account if applicable: Energy Efficiency and Renewable Energy

FY 2008 Funding Level (\$ in Thousands):

FY 2009 Funding Level (\$ in Thousands):

Member's FY 2010 Funding Request (\$ in Thousands): \$4,000

Type of Entity: Local Government

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

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REQUEST FORM

Member: Bingaman

Project Name Renewable Energy Improvements, Lovelace Respiratory Research Institute, Albuquerque, New Mexico

Project Recipient Name, Phone Number, Address: Lovelace Respiratory Research Institute, 2425 Ridgecrest Drive SE, Albuquerque, NM 87108

Project Location (if different from above):

Project Purpose: The Lovelace Respiratory Research Institute (LRRI), a non-profit biomedical research institute focused on the unique mission of complex research designed to prevent, treat, and cure respiratory disease, seeks \$2 million to install a wind turbine and solar panels, reducing long-term demand for traditional energy sources at their research facilities. Many of LRRI's facilities require pass through air conditioning and controlled humidity and temperature environments but present facilities on Kirtland Air Force Base need energy saving enhancements to make these environmental conditions practical. The project will improve energy efficiency and save \$1 million per year in energy costs.

Project Benefit to the Taxpayer: President Obama and Congress have made deployment of energy efficiency technologies one of the nation's top goals so that we can decrease our dependency on foreign energy supplies. Here, a small federal investment will install long-term renewable energy technologies for a medical complex and help reduce the demand of ever-expanding traditional forms of energy delivery. The project will allow for other funding to be reallocated for renovation projects that will allow for increased job creation.

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

Program Account Name and sub account if applicable: **Energy Efficiency and Renewable Energy**

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

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

Member's FY 2010 Funding Request (\$ in Thousands): 2,000 (\$2.0 million)

Type of Entity: Not-for-Profit

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