FY 2010 Energy and Water Development Subcommittee Appropriations Bill

REQUEST FORM

Member: Jeff Bingaman

Project Name: Tribal Partnership Program (Sec. 203, national program)

Project Recipient Name, Phone Number, Address, email: Various Indian pueblos in New Mexico

Project Location (if different from above): same

Project Purpose: Section 203 of WRDA 2000 (PL 106-541) is a broad mandate wherein the Corps may determine the feasibility of water and other resource development projects that substantially benefit Indian Tribes and are primarily located in Indian country. Such studies may address flood damage reduction, ecosystem restoration and protection, and the preservation of cultural and natural resources. Twelve of the nineteen Federally recognized tribes located within Albuquerque District have formally requested planning studies under this authority. Ongoing consultations are likely to result in requests from the other seven tribes.

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): 396.581
FY 2009 Funding Level ($ in Thousands): 535
Member's FY 2010 Funding Request ($ in Thousands): 500

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: Two Rivers Dam, NM

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

Project Location (if different from above): Chaves County

Project Purpose: Two Rivers Dam is located in Chaves County, New Mexico, 14 miles southwest of the city of Roswell and 230 miles from Albuquerque, New Mexico. Diamond "A" Dam on the Rio Hondo and Rocky Dam on the Rocky Arroyo are both earth fill. Diamond "A" is 4,885 feet long and 98 feet high with a gated outlet. Rocky Dam is 2,940 feet long and 118 feet high with an uncontrolled outlet. No provisions are made for storage except for flood control. Capacity of Two Rivers Reservoirs at spillway crest is 163,733 acre feet of which 13,775 acre feet are provided for sediment reserve. Together, these two dams regulate runoff from 1,027 square miles of drainage area. Project has been operational since 1963. There is an on-going issue with the City of Roswell to have them recover and maintain sufficient floodwater evacuation enabling channel capacity on the Rio Hondo and Rocky Arroyo below Two Rivers dams. Despite their 1960 Resolution committing them to obtain maintenance easements, they never have and it has seriously compromised protection from major floods. The main obstacle has been refusal of landowners to provide easements, coupled with very limited motivation by Roswell to pursue them and some skepticism on the needs. We continue to push the City to resolve the issue. Routine Operation and Maintenance funding supports three Federal positions and could potentially generate another three private sector jobs. Full funding of the remaining activities has the potential to generate four private sector jobs as well as support one Federal position.

Project Benefit to the Taxpayer: The project provides Flood Damage Reduction as one unit of the flood control plan for the Rio Hondo, Rocky Arroyo and its Tributaries. P.L. 83-780 Flood Control Act of 1954

Agency: ACOE

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

FY 2008 Funding Level ($ in Thousands): $682

FY 2009 Funding Level ($ in Thousands): $419

Member's FY 2010 Funding Request ($ in Thousands): $554

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: Senator Bingaman

Project Name: United States/Russian Federation Technical Cooperation on Global Nuclear Security

Project Recipient Name, Phone Number, Address: Department of Energy, Washington, D.C. 20585

Project Location (if different from above): National Academy of Sciences, Washington, DC. 20001

Project Purpose: Technical cooperation between the US National Laboratories and similar Russian Institutions have contributed directly to reducing the global nuclear threat, and have provided insights and technical options for policymakers facing critical nuclear security challenges related to strategic stability, nonproliferation and counter-terrorism. The US-Russian relationship is evolving; current US-Russian cooperative programs are phasing out; and both countries face serious economic challenges that could threaten the sustainability of gains in threat reduction. We propose a study by the National Academy of Sciences to review the nation's nuclear security objectives and the role of existing US-Russian cooperative programs in achieving these objectives, and make recommendations about future cooperation.

Project Benefit to the Taxpayer: As major nuclear and world powers, it is critical that the United States and Russia exercise sustained leadership in the field of global nuclear security. A continued robust technical cooperation program would, as it has in the past, provide technologies and approaches to address pressing nuclear safety, security, and proliferation challenges.

Agency (examples: Army Corps of Engineers, Department of Energy, etc)**: 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): $500

Type of Entity: Federal

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

FY 2010 Energy and Water Development Subcommittee Appropriations Bill

REQUEST FORM

Member: Bingaman

Project Name University Research Program in Robotics

Project Recipient Name, Phone Number, Address: University of New Mexico Manufacturing Engineering Program, 1 University of New Mexico, Albuquerque, NM 87131-0001

Project Location (if different from above):

Project Purpose: The University Research Program in Robotics, URPR, is a multi-university consortium, consisting of the Universities of Florida, Michigan, New Mexico, Tennessee and Texas-Austin, dedicated to the research and development of advanced robotic mobility, mapping, handling, simulation, safety and security technology to support DOE NNSA needs. The UNM research threads address the development of simulation-based systems realization, cooperative control and assessment, and technologies for safe handling, and cooperative control and assessment. The URPR members work closely with NNSA labs to deploy new technology.

Project Benefit to the Taxpayer: The URPR direction and technology are consistent with recent DOE/NNSA technology roadmaps, which include "pillars" pertaining to flexible, agile manufacturing processes and materials, model-based design and development, responsive integrated enterprises, and a knowledge-enabled workforce for DOE, as it moves away from heritage systems and stockpiles. The URPR universities are a source of much-needed high-tech labor to the NNSA sites, and the nation (to fill the engineering gap between the U.S. and other nations). The URPR funding for UNM, since 1995, has positioned UNM to be a strong university robotics research group within the United States.

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

Program Account Name and sub account if applicable: National Nuclear Security Administration

FY 2008 Funding Level ($ in Thousands): $3,400
FY 2009 Funding Level ($ in Thousands): 0
Member's FY 2010 Funding Request ($ in Thousands): $6,200
Type of Entity: State University
New Study or Construction Start (Y/N): N

FY 2010 Energy and Water Development Subcommittee Appropriations Bill

REQUEST FORM

Member: Jeff Bingaman

Project Name: Upper Rio Grande Water Operations Model, CO, NM, TX (URGWOM) (includes Integrated Management Plan)

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

Project Location (if different from above): Río Grande Basin

Project Purpose: Six Federal agencies entered into a Memorandum of Understanding (MOU) in 1996 to develop a unified water operations model and to coordinate model development activities with other Rio Grande Basin interests. The operations model performs multi/contractor accounting and forecasting to simulate daily storage and delivery operations. The model was further refined and tested to review system operations of the Rio Grande Basin. The water operations review began in FY 2000 with a joint lead agency agreement and public scoping meetings. The Corps and several participating agencies coordinated with the public, Native American tribes, and other basin interests to formulate draft alternative operations that are within existing authorities. The programmatic Environmental Impact Statement (EIS) recommends system operations and provides guidelines for water operators' decisions. Further evaluation of system operation alternatives and further consultation and coordination are ongoing. The water operations review will continue in FY 2009 with tiered NEPA studies using the EIS to evaluate water operations alternatives on the Rio Grande in order to increase flexibility and meet competing demands for water, including endangered species needs. Using a portion of funds appropriated for URGWOM in FY 2008, Congress directed that an Integrated Management Plan be developed for the Rio Grande Basin. Routine Program Operation funding supports five Federal positions and could potentially generate another five private sector jobs. Full funding of the remaining items has the potential to generate 24 private sector jobs as well as support three Federal positions.

Project Benefit to the Taxpayer: The Upper Rio Grande Water Operations Model assists water managers in flood control operations, water accounting, biological opinion compliance and evaluation of water operations alternatives. P.L. 78-534 Flood Control Act of 1944, Sec 7

Agency: ACOE

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

FY 2008 Funding Level ($ in Thousands): $2,595

FY 2009 Funding Level ($ in Thousands): $1,115

Member's FY 2010 Funding Request ($ in Thousands): $4,188

Type of Entity: Federal Government

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