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**FY 2010 Bureauwide Budget Summary**  
(\$ in thousands)

Project	FY 2009 Enacted	FY 2010							
		Water & Energy	Land Mgmt.	Fish & Wildlife	Facility Operations	Facility Maint.	FY 2010 Request	Other Fed/ Non-Fed	Total Program
<b>Dam Safety Program:</b>									
Safety Evaluation of Existing Dams	17,902					18,250	18,250		18,250
Initiate Safety of Dams Corrective Action	69,188					81,600	81,600		81,600
Department of the Interior Dam Safety Program	1,210					2,029	2,029		2,029
Drought Emergency Assistance Program	458	488					488		488
Emergency Planning and Disaster Response Program	1,376				1,432		1,432		1,432
Environmental and Interagency Coordination Activities	1,594	2,187					2,187		2,187
Environmental Program Administration	892			947			947		947
Examination of Existing Structures	6,052				2,811	4,864	7,675		7,675
Federal Building Seismic Safety Program	1,339					1,400	1,400		1,400
General Planning Activities	1,868	2,213					2,213		2,213
Land Resources Management Program	6,856		8,682				8,682		8,682
Miscellaneous Flood Control Operations	691				777		777		777
Native American Affairs Program	6,644	6,197					6,197		6,197
Negotiation and Administration of Water Marketing	1,520	1,563					1,563		1,563
Operation and Program Management	1,132	1,026			570	55	1,651		1,651
Power Program Services	1,018	724			307		1,031		1,031
Public Access and Safety Program	737	598			155		753		753
Reclamation Law Administration	1,954	2,199					2,199		2,199
Reclamation Recreation Mgmt (Title XVIII)	500						0		0
Recreation and Fish and Wildlife Program Administration	872		172	1,453			1,625		1,625
<b>Research and Development:</b>									
Desalination and Water Purification Program	3,975	2,133			1,600		3,733		3,733
Science and Technology Program	8,248	9,200					9,200		9,200
Rural Water, Title I	916	2,348					2,348		2,348
Site Security Activities	28,014				21,307	7,570	28,877		28,877
Water Conservation Field Services Program	4,000	6,510					6,510	1,897	8,407
<b>Water Conservation Initiative:</b>									
Water Conservation Initiative - Basin Studies	4,000	4,000					4,000		4,000
Water Conservation Initiative - Expanded Grants Program	7,048	33,000					33,000		33,000
Water Conservation Initiative - Title XVI Water Reclam & Reuse Prg	5,406	192					192		192
Wetlands Development	1,500						0		0
<b>Total - Water and Related Resources</b>	<b>186,910</b>	<b>74,578</b>	<b>8,854</b>	<b>2,400</b>	<b>28,959</b>	<b>115,768</b>	<b>230,559</b>	<b>1,897</b>	<b>232,456</b>

**BUREAUWIDE  
FY 2010 OVERVIEW**

<b>FY 2009 Enacted</b>	<b>FY 2010 REQUEST FOR WATER AND RELATED RESOURCES</b>					
	<b>Water &amp; Energy</b>	<b>Land Management</b>	<b>Fish &amp; Wildlife</b>	<b>Facility Operations</b>	<b>Facility Maintenance</b>	<b>Total Program</b>
\$186,910,000	\$74,578,000	\$8,854,000	\$2,400,000	\$28,959,000	\$115,768,000	230,559,000

The Bureau of Reclamation FY 2010 request for the Bureauwide programs for Water and Related Resources totals \$230.6 million, which is a \$43.6 million increase over the FY 2009 enacted level. Reclamation funds 26 programs which are managed at a bureauwide level. An overview of some of these programs follows.

The **Water and Energy Management and Development** activity request totals \$74.6 million, which is a \$25.1 million increase from the FY 2009 enacted level.

The FY 2010 request includes \$46 million, for the Water Conservation Initiative (WCI). Through the WCI, the Bureau of Reclamation will provide assistance to States, tribes, and local communities to address 21<sup>st</sup> Century water supply challenges, including increased water demands from growing populations and decreasing water supplies due to extended droughts and climate change. The WCI will include an expanded Challenge Grant Program, Reclamation's Basin Study Program which started in FY 2009, and the Title XVI Program. Through these programs, Reclamation will provide competitive grants for water marketing and conservation projects; basin-wide planning studies that will address the impacts of climate change, and continued funding of water reuse and recycling projects through Reclamation's Title XVI Program.

The FY 2010 request includes \$2.3 million for the Rural Water Program, authorized by Title I of P.L. 109-451 (Act), enacted on December 22, 2006. The Act includes authority to plan the design and construction of rural water supply projects through appraisal investigation and feasibility studies, and to submit those studies, as appropriate, to Congress to recommend authorization for construction. As required under the Act, the Department published an interim final rule establishing comprehensive programmatic criteria for the new program in the Federal Register in November 2008. The final rule incorporating comments from the public is expected to be published in the summer of 2009, and Reclamation will begin implementation of the program in FY 2009. The \$2.3 million requested for 2010 will be used to fully implement the program by providing assistance with appraisal and feasibility studies. Assistance will be provided on a competitive basis in accordance with programmatic criteria, and a non-Federal cost share will be required.

The Native American Affairs Program request totals \$6.2 million, which is a \$447,000 decrease from the FY 2009 enacted level. This program provides policy guidance related to Reclamation's involvement in Indian Country, support for Reclamation's involvement in Indian water rights negotiations, as well as technical assistance to tribes for the management and protection of their water resources. The \$447,000 decrease will result in reduced technical assistance to tribes.

The Desalination and Water Purification Research Program conducts desalination research, development and demonstrations through grants and cooperative agreements with universities, public, and private sector research institutions (extramural research) on a cost-shared basis.

The \$3.7 million request includes \$1.6 million for the continuation of the operation and maintenance (O&M) of the Brackish Groundwater National Desalination Research Facility and \$2.1 million for Research and Development (R&D) to be conducted at the facility.

The Science and Technology Program request of \$9.2 million funds a Reclamation-wide competitive, merit-based applied R&D program that is focused on innovative solutions for Reclamation water managers and stakeholders. The program has contributed many of the tools and capabilities in use today by Reclamation and western water managers. The program emphasizes efficiency and effectiveness through collaborative R&D with stakeholders, other agencies and organizations with water and water related R&D roles and capabilities. The program is focused on four mission-core R&D areas:

- Improving water delivery reliability;
- Improving water and power infrastructure reliability and safety;
- Improving water operations decision support; and
- Advancing water supply and water efficiency solutions

Research and development is carried out in accordance with the Administration's Research and Development Criteria.

Funding is also requested within this program for increased research to develop methods of controlling zebra and quagga mussels which are spreading through western rivers and reservoirs impacting operation of Reclamation facilities.

The **Land Management and Development** activity request totals \$8.9 million, which is a \$1.3 million increase from the FY 2009 enacted level. This funding is requested largely for the Land Resources Management Program to facilitate Reclamation's overall compliance with applicable Federal laws, regulations, Executive Orders, DOI policies, and Reclamation policies and directives in the areas of environmental management and the administration and management of lands owned by Reclamation.

The **Fish and Wildlife Management and Development** activity request totals \$2.4 million, which is a \$791,000 increase from the FY 2009 enacted level. This request funds wildlife refuge development, endangered species recovery implementation, and various other activities under the Environmental Program Administration and the Recreation and Fish and Wildlife Program Administration Programs.

The **Facility Operations** activity totals \$29.0 million, which is a \$1.4 million increase from the FY 2009 enacted level.

The Emergency Planning and Disaster Response Program request of \$1.4 million provides management and administration of Reclamation personnel in disaster response mission assignments, and other activities which include secure communications, Emergency Notification System, Continuity of Operations, training and exercises to measure the effectiveness of security and emergency plans.

The Site Security Program request of \$21.3 million provides funding for anti-terrorism functions; information security; personnel security; studies and reviews; law enforcement; risk and threat analysis; and the appropriated portion for guards and patrol of facilities.

Section 513 of the Consolidated Natural Resources Act of 2008 (P.L. 110-229) includes provisions for the treatment of Reclamation Site Security Costs. Under these provisions, Reclamation will collect \$18.9 million, indexed for inflation in FY 2009 and 2010, in security-related operation and maintenance costs that are reimbursable under Reclamation law. Approximately 60 percent of this amount is reimbursable through up-front revenues. Approximately 40 percent of this amount is appropriated and then reimbursed

through the normal O&M cost allocation process.

The **Facility Maintenance and Rehabilitation** activity totals \$115.8 million, which is a \$15 million increase from the FY 2009 enacted level. The Dam Safety Program request of \$101.9 million is an increase of \$10.7 million from the FY 2009 enacted budget. The increase is due to the beginning of safety of dams modification activities at Glendo Dam, WY and A.R. Bowman Dam ID and continuation of modifications at Folsom Dam. The FY 2010 request allows Reclamation to address ongoing dam safety risk management activities including; potential reservoir overtopping and failure during large flood events, failure as a result of earthquake shaking, or potential failure associated with seepage erosion at Folsom Dam. Modifications alternatives will likely consist of structural strengthening of the multiple features that impound the reservoir. Plans for modifications are being closely coordinated with the U.S. Army Corps of Engineers to result in a combined federal project which will provide increased flood control and safety for the city of Sacramento, California.

The Site Security Program request also includes \$7.6 million to continue integrated physical security upgrades and work on installation and implementation of needed physical security improvements at key facilities. Physical security enhancements will help protect Reclamation facilities from terrorist threats, other criminal activities, and unauthorized operation of water control systems.

### **Planned Accomplishments in FY 2010**

Reclamation will seek Water Conservation Initiative grant proposals from irrigation and water districts, western States, and other entities with water delivery authority to fund the following types of on-the-ground projects: (1) water marketing projects with willing sellers and buyers, including water banks, that transfer water to other uses to meet critical needs for water supplies; (2) water efficiency and conservation projects that allow users to decrease diversions and to use or transfer the water saved; (3) projects that improve water management by increasing operational flexibility (constructing aquifer recharge facilities or making system optimization and management improvements); and (4) pilot and demonstration projects that demonstrate the technical and economic viability of treating and using brackish groundwater, seawater, or impaired waters within a specific locale.

Reclamation will continue implementation of the Basin Study Program, partnering with willing States and local governments to develop comprehensive water supply and demand studies that will incorporate the latest technology in climate change modeling to project future water supply scenarios.

Reclamation will continue implementation of the Title XVI Program, which is an ongoing activity, budgeted for by the regions that includes planning studies and construction of water recycling and reuse projects. Funds budgeted for by the Commissioner's Office will be used for reviews of Title XVI feasibility studies, the coordination of data on program accomplishment, coordination between regional offices for consistency, and developing means to make the program more efficient and effective.

The \$2.3 million requested for the Rural Water Program will be used to implement the Program by providing assistance with appraisal and feasibility studies. Assistance will be provided on a competitive basis in accordance with established programmatic criteria, and a non-Federal cost share will be required, as provided under the Act.

The R&D Office plans to have an updated desalination research strategy in place as a result of the 2008 review by the National Academy of Sciences, *Desalination: A National Perspective*, co-sponsored by Reclamation and the Environmental Protection Agency (EPA) in consultation with the Office of Management and Budget. As part of this strategy, the R&D Office and Washington Office will review the options to contract the operation of the newly constructed Brackish Groundwater National

Desalination Research Facility at Alamogordo, New Mexico. The Research Office plans to fund a portfolio of research projects at the facility.

The R&D Office also plans to continue ongoing and begin new solution-oriented research and development projects targeted at the four Reclamation mission-descriptive R&D focus areas: improving water delivery reliability; enhancing water and power infrastructure reliability and safety, furthering water operations decision support; and advancing water supply and water efficiency technologies. The R&D Office plans to increase emphasis and accomplishment in the following areas:

- Forge new and more effective ways of transferring solutions to the water users and water managers,
- Improve institutional approaches to solve water problems,
- Increase scientific coordination and collaboration with other Federal agencies, universities, and other organizations that offer Reclamation complementary scientific and R&D capabilities, and
- Collaborate with National Oceanic and Atmospheric Association, USGS, universities, and western States to evaluate climate change sciences, the potential effects on western water resources, and develop adaptation strategies as necessary to minimize impacts and maximize opportunities

Safety of Dam Program - Continue planned ongoing safety of dams modifications activities at Folsom Dam. Complete safety of dams modifications at Deer Flat and A.V. Watkins Dams. Begin planned modification activities at Glendo and A.R. Bowman Dams. Preconstruction and project formulation activities are planned on up to approximately eight additional dams.

Site Security - Physical security upgrades and enhancements are scheduled for installation at New Melones Dam, Loveland Control Center, plus installation of barriers and other security enhancements at several mission critical facilities. These upgrades will address recommendations that were developed and approved through comprehensive security risk assessments and embankment dam vulnerability studies.

### **Accomplishments in FY 2009**

Through the Water for America Basin Study program, Reclamation will partner with willing States and local governments to develop comprehensive water supply and demand studies that will incorporate the latest technology in climate change modeling to project future water supply scenarios. The studies will define options to meet future water demands in light of 21<sup>st</sup> Century water supply challenges, such as climate change and increased competition for finite water supplies.

Reclamation will seek applications for funding under the Water for America Challenge Grant program (previously the Water 2025 Program). The Program will fund four types of activities: 1) improving Water Marketing and Efficiency, 2) performing System Optimization Reviews, 3) demonstrating Advanced Water Treatment, and 4) helping to prevent the decline of candidate species and other activities to benefit federally-listed species. The funding will award 40-60 grants.

The R&D Office evaluated the findings and recommendations from the 2008 National Academy of Sciences, *Desalination: A National Perspective*, co-sponsored by Reclamation's R&D Office and the EPA. Commissioning of the new Brackish Groundwater National Desalination Research Facility is completed and Reclamation began a cooperative research program with New Mexico State University.

Safety of Dam Program - Continued planned ongoing safety of dams modifications activities at Folsom, A.V. Watkins Dam, and Deer Flat Dams. Completed safety of dams modifications at Stony Gorge, Deer Creek and Scofield Dams. Preconstruction and project formulation activities were accomplished on approximately eight additional dams.

Site Security - Physical security upgrades and enhancements are scheduled for installation at B.F. Sisk, C.W. Jones Pumping Plant, O'Neill Dam, Flaming Gorge Dam, and facilities associated with Loveland Control Center. These upgrades addressed recommendations that were developed and approved through comprehensive security risk assessments and embankment dam vulnerability studies.

**Accomplishments in FY 2008**

Through the Water 2025 Challenge Grants Program Reclamation awarded \$4.5 million dollars to fund 15 projects in seven states. Including the matching contribution of non-Federal partners, the selected projects represent a combined investment of more than \$31.8 million in water management improvements. Grants for System Optimization Reviews totaling \$1.9 million were also awarded in FY 2008 12 projects resulting in a combined investment of more than \$3.8 million.

Reclamation's R&D Office funded 112 Science and Technology Program R&D proposals. Construction is completed and operations began at the Brackish Groundwater National Desalination Research Facility at Alamogordo, New Mexico. The R&D Office implemented a new Science and Technology Program Steering Team Charter revised under Reclamation's "*Managing for Excellence*" initiative.

Safety of Dam Program - Major construction activities were underway at Folsom Dam. Continued planned ongoing safety of dams modifications activities at Stony Gorge, Deer Flat, Deer Creek and Scofield Dams. Completed safety of dams modifications at Gibson Dam. Began planned modifications activities at A.V. Watkins Dam. Funding was also required to close out activities on various construction projects. Preconstruction and project formulation activities were accomplished on approximately eight additional dams.

Site Security - Physical security upgrades and enhancements scheduled for completion at Hoover, Parker, and Davis Dams. Fortification upgrades and enhancements continued at Folsom, Alcova, Seminole, Pathfinder, Fremont Canyon, and Canyon Ferry Dams.

## **Dam Safety Program**

**LOCATION:** The 17 Western States in Reclamation's Service Area. Work may be performed for other Federal entities on a reimbursable basis throughout the United States.

**DESCRIPTION/JUSTIFICATION:** The Dam Safety Program continues to be one of Reclamation's highest priorities. The program helps ensure the safety and reliability of Reclamation dams to protect the downstream public.

Funding is requested for two main tasks: the **Safety of Dams Evaluation and Modification Program** and the **Department of the Interior (DOI) Dam Safety Program**. The Safety of Dams Evaluation and Modification Program identifies and evaluates safety of dams issues and implements modifications, if warranted, to reduce associated risks to the public. Two sub-tasks accomplish the Safety of Dams Evaluation and Modification Program: **Safety Evaluation of Existing Dams and Initiate Safety of Dams Corrective Actions**. After approval of safety of dams modifications, associated future years' funding is requested by regional offices under the specific projects. The regional requests for funding are provided in the Program Financial Data Table printed in this section as an agency wide program summary. In addition, Reclamation manages the **DOI Dam Safety Program**, which includes facilitation and guidance to other Interior agencies for their dam safety programs.

Reclamation has reservoirs impounded by 479 dams and dikes. Of these structures, 371 dams and dikes would likely cause loss of life if they were to fail. These 371 structures, located at 248 different project facilities, form the core of Reclamation's Dam Safety Program. The program also includes seven dams that have become part of Reclamation projects through various legislation. Approximately 50 percent of Reclamation's dams were built between 1900 and 1950, and approximately 90 percent of the dams were built before currently-used state-of-the-art design and construction practices. Aging dams, which lack state-of-the-art structural reliability features, place a great reliance on monitoring, examinations, and re-analyses as ongoing risk management activities to assure safe dam performance. A strong Dam Safety Program must be maintained to identify developing adverse performance within Reclamation's inventory of aging dams and to carry out corrective actions expeditiously when unreasonable public risk is identified.

The **Safety Evaluation of Existing Dams (SEED)** sub-task provides for performance monitoring, examinations, analyses, field data investigations, and technical studies and development activities on an ongoing or recurring basis for the 371 dams in the program. Program management activities are also included. These activities investigate and assess public safety risks associated with dam safety issues to determine if safety of dams corrective actions are warranted. If corrective actions are warranted, subsequent activities are funded by the Initiate Safety of Dams Corrective Action (ISCA) program.

Adverse performance incidents at Reclamation dams are also investigated as a SEED activity. Actual fiscal year obligations will fluctuate based on the number and occurrences of incidents and the complexity of investigating each dam safety issue.

SEED activities benefit the public downstream from Reclamation's dams by ensuring prudent and reasonable practices are used to manage risks and to identify dam safety issues. Since these activities benefit the general public, they are not considered a project cost. The SEED program implements the "Federal Guidelines for Dam Safety" as directed by the October 4, 1979 Presidential memorandum.

The **Initiate Safety of Dams Corrective Action (ISCA)** sub-task provides for safety of dams modifications and includes project formulation, approval, preconstruction, and construction activities for Reclamation's dams having identified safety issues. As studies progress on any dam, changes in schedule or scope of work may occur due to increased knowledge of risks, changes in dam performance, or due to the impacts on critical water supplies from interim actions such as reservoir restrictions. The ISCA appropriation request allows funding to be readily focused on priority structures based on an evolving identification of risks and needs within available funding. Modification reports, as required by the Reclamation Safety of Dams Act, are prepared and submitted to Congress for modifications with actual construction costs exceeding \$1,250,000 (October 1, 2003 price levels). Obligation of funds requires 15 percent repayment by project beneficiaries in accordance with the Reclamation Safety of Dams Act and subsequent amendments.

The funding request for all Safety of Dams modifications originates in ISCA. After the modifications are approved, funding to initiate construction and future fiscal year requests to complete the project are transferred from the Dam Safety Program to regional offices budget request and to manage under the specific project. The approved and underway safety of dams modifications are listed on the Program Financial Data table.

Dam Safety Program activities in ISCA are workload-driven based on the estimated scope and needs of specific projects, and funding requests are subject to annual fluctuations.

**Modification highlights for the dams previously included in the ISCA request for which construction was initiated prior to FY 2007 within the limits of enacted funding and latest information on risk:**

**Provo River Project, Deer Creek Dam, Utah**

The dam safety issues are the potential collapse of the dam during an earthquake and hydrologic failure of the spillway chute. Modification alternatives to address the hydrologic issue will include a concrete overlay of the spillway chute. Modification alternatives to address the seismic risks include downstream foundation excavation and construction of a filtered berm, a dam raise and strengthening of the spillway crest structure and radial gates.

**Orland Project, Stony Gorge Dam, California**

The dam safety issue is the potential collapse of the dam during earthquakes. Modification alternatives consist of structural strengthening of the dam to provide additional bracing.

**Modification highlights for the dams currently and previously included in the ISCA request for which construction began in FY 2007 within the limits of enacted funding and latest information on risk:**

**Boise Project, Deer Flat Dam, Idaho**

The dam safety issue is the potential failure of the embankment due to internal erosion along two outlet conduits. Modification alternatives consist of removal and replacement of the outlet conduits.

**Central Valley Project, Folsom Unit, Folsom Dam, California**

The dam safety issues are the potential for multiple features that impound the reservoir to be overtopped and fail during large flood events, fail as a result of earthquake shaking, or potential collapse from seepage problems. Modifications alternatives consist of an auxiliary spillway and structural strengthening of the various features. Plans for modifications are being closely coordinated

with the U.S. Army Corps of Engineers resulting in a joint Federal project which will provide increased flood damage control and safety for the City of Sacramento, California.

**Scofield Project, Scofield Dam, Utah**

The dam safety issue is the potential collapse of the spillway and then failure of the dam during large flows over the spillway. Modification alternatives consist of removal and replacement of the spillway.

**Sun River Project, Gibson Dam, Montana**

The dam safety issue is the instability of the right abutment dam during earthquakes. Modification alternatives consist of installation of foundation drains to reduce pressures and stabilize the abutment.

**Modification highlights for the dams currently included in the ISCA request for which construction began in FY 2008 within the limits of enacted funding and latest information on risk:**

**Weber Basin Project, A.V. Watkins Dam, Utah**

In November 2006, seepage through the dam indicated that a piping failure was in progress. Emergency repairs and interim modifications were made. Additional corrective actions to reduce risks for piping are required at AV. Watkins Dam. Modification alternatives consist of installation of a foundation cutoff wall and foundation drainage and reconstruction of the dam in the area of piping.

**Modification highlights for the dams currently included in the ISCA request for which construction began in FY 2009 within the limits of enacted funding and latest information on risk:**

NONE

**Modification highlights for the dams currently included in the ISCA request for which construction is scheduled to begin in FY 2010 within the limits of enacted funding and latest information on risk:**

**P-SMBP, North Platte Area, Glendo Dam, Wyoming**

The dam safety issue is the potential overtopping of the dam during extreme hydrologic events. The risk assessment estimates the annual loss of life due to hydrologic failure modes exceeds current Reclamation public protection guidelines and falls in the range of increased justification to take action. Modification alternatives will likely include raising the dam and dikes and construction of an emergency fuse-plug type spillway.

**Crooked River Project, A.R. Bowman Dam, Oregon**

The dam safety issue is the potential overtopping of the dam during hydrologic events. The risk assessment estimates the annual loss of life due to hydrologic failure modes exceeds current Reclamation public protection guidelines and falls in the range of increased justification to take long-term action. Modification alternatives will likely include construction of a parapet wall to increase protection from overtopping in combination with an early warning system.

ISCA funding is needed for developing corrective action alternatives, designs, modification reports and associated project approval activities, special studies, data collection, other preconstruction activities, construction and construction support activities, and design and implementation of early warning systems. When deemed effective, reservoir restrictions or other interim actions are

implemented to help manage risks until modifications can be implemented. Generally, interim actions do not reduce the public's risk to the same level as a long-term corrective action. Reservoir restrictions will have economic impacts on water users and reduce recreation, fish and wildlife, and other benefits of the projects.

**In addition to the dams listed above and the dams involved in ongoing modification construction, dams that have concerns currently identified and scheduled for preconstruction activities in FY 2010 include:**

B.F. Sisk Dam, Central Valley Project, CA  
Boca Dam, Truckee Storage Project, CA  
Bull Lake Dam, P-SMBP, Riverton Division, WY  
East Canyon Dam, Weber Basin Project, UT  
Echo Dam, Weber River Project, UT  
Hyrum Dam, Hyrum Project, UT  
Pathfinder Dam, North Platte Project, WY  
Scoggins Dam, Tualatin Project, OR  
Stampede Dam, Washoe Project, CA

The funding request for the **Department of the Interior (DOI) Dam Safety Program** allows Reclamation to continue to coordinate and manage the program as the lead technical agency in the Department. Part 753 of the Department Manual and Secretarial Order No. 3048 assign responsibility to the Commissioner of Reclamation to advise and review other department agencies in carrying out the "Federal Guidelines for Dam Safety" as directed by the October 4, 1979 Presidential memorandum. Consistent with the 1997 dam safety peer review team recommendations, the FY 2010 request includes technology development efforts focused on reducing uncertainties associated with dam performance and remote loading conditions to improve risk analysis practices. Development of a dam safety training program in cooperation with other Federal, and State agencies, and the Association of State Dam Safety Officials will continue.

**AUTHORIZATION:** The Dam Safety Program is performed as directed by an October 4, 1979, Presidential memorandum to implement the "Federal Guidelines for Dam Safety." Corrective actions and associated studies on Reclamation dams and related facilities are authorized by P.L. 95-578, The Reclamation Safety of Dams Act, November 2, 1978, as amended by P.L. 98-404, Reclamation Safety of Dams Act Amendments of 1984, August 28, 1984. Additional authority is provided in P.L. 106-377, dated October 27, 2000, which incorporated H.R. 4733 (later, H.R. 5483). Additional authority is provided in P.L. 107-117, the FY 2002 Defense Appropriations Act, dated January 25, 2002. Additional authority is provided in P.L. 108-439, Reclamation Safety of Dams Act Amendments of 2004, December 3, 2004. The Contributed Funds Act, 43 U.S.C. 397a, Sundry Civil Appropriations Act for 1922, March 4, 1921, 41 Stat 1367, provides for non-Federal funding.

**APPROPRIATION CEILING:** The 1978 Safety of Dams Act authorized \$100 million to undertake necessary actions to provide for the safety of existing Reclamation dams and related facilities. All work done under the original Act is non-reimbursable. The Safety of Dams Act was amended in 1984 by authorizing \$650 million more for dam safety purposes (by law the additional funds are indexed for inflation) and requiring a 15 percent repayment provision for future work performed under the Act. An additional \$95 million of ceiling was authorized in P.L. 106-377, the FY 2001 Energy and Water Development Appropriations Act. An additional \$32 million of ceiling authority was authorized in P.L. 107-117, the FY 2002 Defense Appropriations Act. An additional \$540 million of appropriations ceiling authority was authorized in P.L. 108-439, Reclamation Safety

of Dams Act Amendments of 2004, and a separate public law which was signed December 3, 2004. Approximately \$692 million of the ceiling remained as of the end of FY 2008. By the end of FY 2009, a total of 79 dam modifications were completed under the authority of the Act. The Safety Evaluation of Existing Dams Program and the Interior Department Dam Safety Program are not subject to the authorization ceiling of the Safety of Dams Act. The out-year commitments created by the modifications that are scheduled to be awarded in FY 2009 and FY 2010 will not exceed the remaining authorization ceiling provided by the Reclamation Safety of Dams Act Amendments of 1984 (Public Law 98-404), the FY 2001 Energy and Water Development Appropriations Bill (which added \$95,000,000 of additional ceiling) (Public Law 106-377), the FY 2002 Defense Appropriations Bill (which added \$32,000,000 of additional ceiling) (Public Law 107-117), and the FY 2005 Amendment to the Safety of Dams Act, Public Law 108-439 (118 Stat 2627) which added \$540,000,000 of additional authorization ceiling and increased the Commissioner’s authority from \$750,000 to \$1,250,000 (indexable for inflation). Currently authorized appropriations ceiling is expected to be sufficient until FY 2013.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water

**Safety of Dams Program Budget/Performance Integration**

Reclamation’s Safety of Dams Program contributes to the accomplishment of DOI Government Performance and Results Act (GPRA) Strategic Plan 2007-2012, Deliver Water Consistent with Applicable State and Federal Law in an Environmentally Responsible and Cost-Efficient Manner goal. The GPRA measures include Amount of acre-feet of restricted capacity, and Water infrastructure is in fair to good condition as measured by the Facilities Reliability Rating. Additionally, the Safety of Dams Program has five Program Performance Improvement (PPI) performance measures. The following tables displays PPI performance measures used to inform budgetary and management decisions. The budget and performance measures are linked as follows:

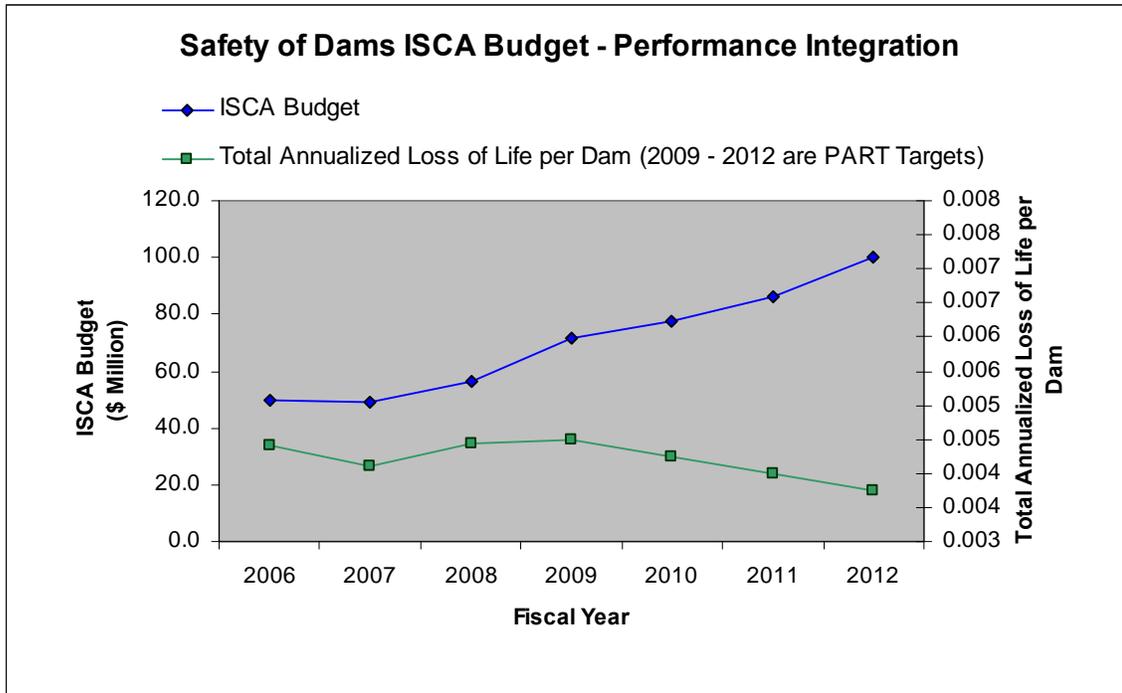
Safety of Dams Budget Area	PPI Performance Measure
Safety Evaluation of Existing Dams (SEED)	1 - Percent of Safety of Dams recommendations that have been completed 3 - Percent of the Facility Reliability Rating related to dam safety 4 – Complete Comprehensive Facility Reviews (CFR) of every high and significant hazard dam once every six years 5 - Percent of Decision Documents related to dam safety issues at high and significant hazard dams, completed within 60 days of source document completion
Initiate Safety of Dams Corrective Actions (ISCA)	2 - Total Annualized Loss of Life per dam

The Dam Safety Program SEED budget of \$18.25 million carries out facility performance monitoring, CFR, investigations, technical studies and decision documentation activities on an ongoing basis for Reclamation’s portfolio of 371 dams and dikes located throughout the 17 western states. Collectively, these activities result in an assessment of public safety risks associated with dam safety issues and determine if safety of dams corrective actions are warranted.

Safety of Dams (SOD) recommendations are generated from the CFR (PPI measure 4), facility investigations and technical studies. Recommendations are made to further evaluate or to correct dam

safety abnormalities or deficiencies. The number of recommendations completed indicates the long term effectiveness of the SEED Program in addressing dam safety deficiencies and long-term reduction of risks to the public, public safety, property and/or the environment. Work on SOD recommendations is prioritized based on the risk to the public and not based on the cost to complete. The total number of incomplete recommendations at the end of FY 2007 was 298.

The ISCA budget is formulated based on the cost estimates to implement Safety of Dams modifications at Reclamation facilities having identified safety issues which exceed Reclamation’s Guidelines to protect the public. The ISCA budget carries out facility project formulation, approval, preconstruction, and construction activities. The ISCA budget allows funding to be readily focused on priority structures based on identification of risks and needs within available funding. The ISCA funding is directed towards the highest-risk facilities. The ISCA modifications directly impact the Total Annualized Loss of Life per dam. This measure is an indicator of the ISCA effectiveness in reducing risk to the public. The Total Annualized Loss of Life per dam is computed on the portfolio of Reclamations dams on an ongoing basis. Since 2004, the total annualized loss of life per dam was reduced from 0.0067 to 0.0044 in FY 2008. Construction on modifications at Folsom Dam Facility began in the fall of 2007 and is scheduled to continue for approximately 12 years. Current estimates are that \$50 million of the ISCA budget will be required each year to complete the modifications at the Folsom Dam Facility. This will impact accomplishing modifications and risk reductions at other facilities and reducing the Total Annualized Loss of Life per dam over the next several years. Phased risk reductions are determined on modification projects that extend for multiple years. The relationship in the chart below between PPI measure 5 and the ISCA budget shows the ISCA budget above the \$50 million each year required for Folsom will result in a gradual reduction in the Total Annualized Loss of Life per dam.



**SUMMARIZED FINANCIAL DATA**

**Program Financial Data**

Activity	FY 2009	FY 2010
Facility Maintenance and Rehabilitation		
Department of the Interior Dam Safety Program	\$1,210,000	\$2,029,000
Safety Evaluation of Existing Dams	17,902,000	18,250,000
Initiate Safety of Dams Corrective Actions	69,188,000	81,600,000
Enacted/Request	\$88,300,000	\$101,879,000
Non-Federal	0	0
Prior Year Funds	102,717	0
Total Program	88,402,717	0
Prior Year Funds/Non-Federal	(102,717)	0
Total Reclamation Allotment 1/	\$88,300,000	\$101,879,000

<b>Safety of Dams Modifications Currently Underway</b>		
Activity	FY 2009	FY 2010
Facility Maintenance and Rehabilitation		
MP – CVP, Folsom Unit, Folsom Dam, CA	\$55,000,000	\$50,000,000
MP – Orland Project, Stony Gorge Dam, CA	1,400,000	0
UC – Provo River Project, Deer Creek Dam, UT	50,000	0
UC – Scofield Project, Scofield Dam, UT	500,000	0
PN – Boise Project, Deer Flat Dam, ID	850,000	100,000
UC – Weber Basin Project, A.V. Watkins Dam, UT	5,500,000	50,000
GP – P-SMBP, North Platte Area, Glendo Dam, WY	1,500,000	19,500,000
PN – Crooked River Project, A.R. Bowman Dam, OR	500,000	5,000,000
MP – CVP, B.F. Sisk Dam, CA	0	1,000,000
UC – Weber River Project, Echo Dam, UT	0	1,000,000
Other Construction and Preconstruction Dams	3,888,000	4,950,000
Subtotal	\$69,188,000	\$81,600,000
Regional Safety of Dam Corrective Action Projects	0	0
Regional Subtotal 1/	\$0	\$0
Total for Safety of Dams Modifications Currently Underway	\$69,188,000	\$81,600,000

1/ Project specific requests for safety of dams modification projects currently underway are shown here to provide agency-wide summary. The actual funding requests and the related work proposed statements would be captured in the specific project narrative.

**WORK PROPOSED FOR FY 2010:**

**Facilities Maintenance and Rehabilitation** - Continue dam safety risk management and risk reduction activities throughout Reclamation's inventory of high- and significant-hazard dams. Complete ongoing safety of dams modifications activities at Deer Flat, ID and A.V. Watkins Dam, UT. Continue ongoing safety of dams modification activities at Folsom Dam, CA. Begin safety of dams modification activities at Glendo Dam, WY and A.R. Bowman Dam, OR. Preconstruction and project formulation activities are planned on B.F. Sisk Dam, CA, Echo Dam, UT, Stampede Dam, CA and several other dams. The Safety of Dams Evaluation and Modification Program identifies and evaluates Safety of Dams issues at Reclamation dams and implements modifications to reduce associated risks to the public when

*Dam Safety Program*

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warranted. Funding levels for risk reduction actions are workload driven based on scope and needs of specific issues.

Continues representation of the Department on the Interagency Committee on Dam Safety and continues managing the DOI Dam Safety Program which includes facilitation and guidance to other Interior Bureaus for their Dam Safety Programs. The request also provides 50 percent of the funding for the independent oversight, review, and policy development activities of the Dam Safety Officer. The other 50 percent for Dam Safety Officer-Design, Estimating and Construction activities are funded by the regions.

**Reclamation Request**

**\$101,879,000**

## Drought Emergency Assistance Program

**LOCATION:** The 17 Western States in Reclamation's Service Area and Hawaii for Title I activities, and the 50 U.S. States and territories for Title II activities.

**DESCRIPTION/JUSTIFICATION:** This program includes those activities related to administering the Reclamation States Emergency Drought Relief Act of 1991, as amended, to undertake activities that will minimize or can be expected to have an effect in minimizing losses and damages resulting from drought conditions. The major component of the program, contained in Title I of P.L. 102-250, relates to response activities taken during times of actual drought for construction of temporary facilities, the permanent construction of wells, or management and conservation measures that will or can be expected to minimize losses or mitigate damages resulting from drought events. Another part of the program, Title II, is a permanent authority and provides for technical assistance in the preparation of drought contingency plans to all 50 U.S. States and territories.

**AUTHORIZATION:** The Reclamation Act of 1902, June 17, 1902; Reclamation States Emergency Drought Relief Act of 1991, P.L. 102-250, as amended March 5, 1992; P.L. 106-566, Section 201 (a), December 23, 2000, as amended by P.L. 109-234, Section 2306 (a) and (b), June 15, 2006; Title V, Chapter 3, P.L. 110-28, May 25, 2007.

**BUDGET AND PERFORMANCE INTEGRATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goals: Deliver Water.

### SUMMARIZED FINANCIAL DATA:

#### Program Financial Data

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$458,000	\$488,000
Enacted/Request	\$458,000	\$488,000
Non-Federal	0	0
Prior Year Funds	6,535,969	0
Total Program	\$6,993,969	\$488,000
Prior Year Funds/Non Federal	(6,535,969)	0
Total Reclamation Allotment	\$458,000	\$488,000

### WORK PROPOSED FOR FY 2010:

**Water and Energy Management and Development** - Continue emergency drought relief activities to minimize and mitigate losses and damages resulting from drought conditions. The funds will be administered to primarily focus on funding activities and projects that will support Reclamation's core mission to ensure the continued delivery of water and power benefits to the Western States. Reclamation will continue to use its authority under the Drought Act to assist States, tribes and local governments to address the impacts of drought, including providing emergency on-the-ground assistance by drilling water wells and other measures to improve water conservation and water management; temporary contracts for water distribution; providing water on a temporary basis to meet requirements under the Endangered Species Act; and fish and wildlife mitigation and relief.

**Reclamation Request**

**\$488,000**

## Emergency Planning and Disaster Response Program

**LOCATION:** The 17 Western States in Reclamation's service area.

**DESCRIPTION/JUSTIFICATION:** The Disaster Response Program supports the Department of Homeland Security (DHS), the Federal Emergency Management Agency (FEMA), the U.S. Army Corps of Engineers (COE), Bureau of Indian Affairs (BIA) and the Bureau of Land Management (BLM) nationwide and in American Trust Territories. The Continuity of Operations and the Emergency Notification System Programs serve Reclamation offices in Washington, D.C. and in the 17 Western States in Reclamation's service area. Reclamation also co-manages the Department of the Interior's (DOI) continuity of operations devolution site in conjunction with the U.S. Geological Survey (USGS).

There are four activities performed under this program.

1) **Continuity of Operations (COOP):** The COOP activity deals with how Reclamation keeps up day-to-day business operations when there is a building fire, a natural or terrorist event that directly or indirectly impacts a Reclamation office. The COOP activity develops program guidance, provides technical assistance, and maintains oversight in the development and exercise of COOP plans for offices throughout Reclamation. These plans and exercises help ensure that Reclamation offices can continue essential functions when impacted by natural and man caused disasters. Reclamation also co-manages the DOI's devolution site in conjunction with the USGS and is responsible for plan maintenance, training and participation in annual national COOP exercises.

2) **Training and Exercises:** Participation in interagency support and coordination on the national level to ensure Reclamation resources are utilized and appropriately protected. Reclamation's annual emergency management conference provides training and cross program knowledge between security, safety, law enforcement, emergency management and continuity of operations staff. Exercises are planned to be conducted for Reclamation's Washington office; Security, Safety, and Law Enforcement (SSLE) office, and two National Critical Infrastructure (NCI) facilities to include orientations, focused drills, tabletops and functional exercises to measure the effectiveness of security, and ensure emergency plans and preparations are appropriate. Emergency exercise are conducted at Reclamation's high and significant risk dams on a recurring schedule of annual emergency action plan reviews, tabletop exercises every three years and tabletop exercises every six years. A similar exercise program exists for COOP plans at Reclamation's five regional offices, 26 area offices, the Denver and Washington offices.

3) **Communications:** *The Emergency Notification System (ENS):* The ENS was established Department-wide to ensure that actual incident or warning information can be transmitted expeditiously between the field and the Department on a 24 hour basis. The ENS is also used by area and regional offices to obtain emergency technical assistance from the Technical Service Center in Denver. *Secure Communications:* Secure communications activities support Reclamation's law enforcement, security and safety programs. This provides secure methods of communications and coordination for senior management and leadership.

4) **Disaster Response:** The Disaster Response activity provides management and administration of Reclamation personnel in support of FEMA, COE, and BLM in disaster operations. Reclamation is the designated action agent in this support for DOI. Reclamation has supported 40 FEMA/COE/BLM disaster operations since 1993. Providing disaster relief support to FEMA and COE on a reimbursable basis also prepares Reclamation staff

to respond to disasters at Reclamation facilities. This program also provides management and administration in support of BIA and BLM on National Wildfires on a limited basis. Reclamation also has required support under the new National Response Plan with requirements in Emergency Support Functions (ESF) numbers 3 (Public Works and Engineering), 4 (Firefighting), 5 (Emergency Management), 7 (Resource Support), 10 (Oil and Hazardous Materials Response), 11 (Agriculture and Natural Resources), 12 (Energy), and 13 (Public Safety and Security).

**AUTHORIZATION: Continuity of Operations:** Department of the Interior, Departmental Manual, Series: Emergency Management, Part 900: Emergency Management Program, Chapter 1: Policy, Functions, and Responsibilities, Chapter 2: Continuity of Operations (COOP) Program, Chapter 3: National Security Emergency Preparedness (NSEP), Chapter 4: Coordination of Emergency Incidents. Effective Date: January 4, 2006; National Security Act of 1947, P.L. 93-288, dated May 22, 1974, as amended by P.L. 100-707, Robert T. Stafford Disaster Relief and Emergency Assistance Act, dated November 23, 1988; Executive Order (EO) 12148, Federal Emergency Management, dated July 20, 1979, as amended; EO 12656, November 18, 1988, Assignment of Emergency Preparedness Responsibilities; and HSPD 20 Continuity of Operations Issues, Federal Preparedness Directive 1 & 2 – Continuity of Operations.

**Emergency Notification System:** Office of Management and Budget Memorandum, dated March 22, 1993; and Department of the Interior, Departmental Manual, Series: Emergency Management, Part 900: Emergency Management Program, Chapter 4: Coordination of Emergency Incidents. Effective Date: January 4, 2006.

**Disaster Response:** P.L. 93-288, dated May 22, 1974, as amended by P.L. 100-707, Robert T. Stafford Disaster Relief and Emergency Assistance Act, dated November 23, 1988; P.L. 84-99, Flood Control and Coastal Emergencies, dated June 28, 1955; Department of the Interior, Departmental Manual, Series: Emergency Management, Part 900: Emergency Management Program, Chapter 1: Policy, Functions, and Responsibilities, Chapter 4: Coordination of Emergency Incidents, Chapter 5: National Response Plan (NRP) Coordination. Effective Date: January 4, 2006, and the 2001 Federal Wildland Fire Management Policy.

**BUDGET AND PERFORMANCE INTEGRATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Facility Operations:		
Disaster Response and Emergency Notification Systems	\$1,068,000	\$1,110,000
Continuity of Operations Program	308,000	322,000
Enacted/Request	\$1,376,000	\$1,432,000
Non-Federal	0	0
Prior Year Funds	0	0
<b>Total Program</b>	<b>1,376,000</b>	<b>1,432,000</b>
Prior Year Funds/Non-Federal	0	0
<b>Total Reclamation Allotment</b>	<b>\$1,376,000</b>	<b>\$1,432,000</b>

**WORK PROPOSED FOR FY 2010:**

**Facility Operation** - Continues the oversight of the Continuity of Operations activity and continues exercises of the developed COOP plans. The DOI devolution site will participate in a national COOP exercise. Continue participation in interagency exercises and activities and continues the provision for major exercises for headquarters and NCI facilities. It also continues the provision for minimal training of Continuity of Operations managers, National Incident Management System, including Incident Command System training. Continues management of disaster response mission assignments, National Response Framework requirements, secure communications and related activities, and the ENS.

**Reclamation Request**

**\$1,432,000**

## Environmental and Interagency Coordination Activities

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** This program provides for participation with other agencies and local interests in meetings and discussions to identify and define environmental problems and needs. These discussions will help determine appropriate courses of action to work with other agencies and local interests to collect and analyze basic data and information necessary to resolve interstate and interagency issues; to participate with other agencies to develop methods and procedures to evaluate environmental, social, and economic impacts associated with existing and future water resource programs; to provide information to public groups; and to review other agency resource management plans, environmental compliance documents, water and energy operating plans, and other water-related programs and plans to determine possible effects on current and future Reclamation activities.

**AUTHORIZATION:** The Reclamation Act of 1902, June 17, 1902; and P.L. 91-190, National Environmental Policy Act of 1969, January 1, 1970.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water.

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$1,594,000	\$2,187,000
Enacted/Request	\$1,594,000	\$2,187,000
Non-Federal	0	0
Prior Year Funds	43,304	0
Total Program	\$1,637,304	\$2,187,000
Prior Year Funds/Non-Federal	(43,304)	0
Total Reclamation Allotment	\$1,594,000	\$2,187,000

**WORK PROPOSED FOR FY 2010:**

**Water and Energy Management and Development** - Continues general coordination and cooperation with other agencies and public groups to address critical short-term issues and problems which cannot be identified in advance. Activities include those mentioned in the Description/Justification section above and could also include participating in stream gauging programs, groundwater studies, surface and groundwater quality monitoring activities, meteorological data collection and analysis, geographical information system activities, and environmental data collection and analysis programs. Continues review of other agencies' and private utilities' resource management plans, environmental compliance documents, water and energy operating plans, and other water-related programs and plans to determine possible effects on current and future Reclamation activities. Continues to accomplish various Administration initiatives concerning water resources planning/technical standards, procedures, and guidelines; essential coordination with others; review and comment on reports and proposals by others; negotiations and public workshops or hearings; information for public and interest groups; responses to new, relevant legislation and Executive Orders; short-term unanticipated analyses required by the Administration or congressional entities; and other related activities that affect existing and future Reclamation facilities or responsibilities.

**Reclamation Request**

**\$2,187,000**

## Environmental Program Administration

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** The program provides for the assessment, evaluation, study, and formulation of plans to ensure compliance with environmental law, policy, and initiatives. It also provides for the collection and analysis of data to determine legal positions and recommendations relative to the conservation of endangered or threatened species in compliance with the Endangered Species Act, and for meeting requirements of the National Historic Preservation Act.

**AUTHORIZATION:** P.L. 89-665, National Historic Preservation Act, October 15, 1966; P.L. 91-190, National Environmental Policy Act of 1969, January 1, 1970; P.L. 92-500, Clean Water Act, October 18, 1972; P.L. 93-205, Endangered Species Act of 1973, December 28, 1973; P.L. 93-523, Safety Drinking Water Act of 1974, October 31, 1974; and Executive Order 11990, Wetlands Protection, May 24, 1977.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water.

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Fish and Wildlife Management and Development	\$892,000	\$947,000
Enacted/Request	\$892,000	\$947,000
Non-Federal	0	0
Prior Year Funds	16,128	0
Total Program	\$908,000	\$947,000
Prior Year Funds/Non-Federal	(16,128)	0
Total Reclamation Allotment	\$892,000	\$947,000

**WORK PROPOSED FOR FY 2010:**

**Fish and Wildlife Management and Development** - Continues work towards conserving, enhancing, and restoring fish and wildlife population and habitat with emphasis on native and threatened and endangered species recovery and restoration. Continues administrative support, oversight, and management of National Environmental Policy Act (NEPA) processes and reviews. This includes the review, coordination, and comment on NEPA and other environmental documents prepared by other Federal, State, or local agencies. Continues administrative support in preparing and coordinating the annual Interagency Agreement with U.S. Fish and Wildlife Service under the Fish and Wildlife Coordination Act. Continues to establish baseline data and monitoring commitments in support of local resource initiatives and activities. Continues activities associated with endangered species on the Arkansas River Basin in Kansas and Oklahoma affecting the Arkansas River Shiner, the Speckled Chub, the Piping Plover and the Whooping Crane. Reclamation has three reservoirs which influence flow to varying degrees within the Missouri River Corridor. The corridor provides habitat for numerous Threatened and Endangered and Candidate Species, as well as State Species of special concern.

**Reclamation Request**

**\$947,000**

**SEE APPENDIX FOR:** Obligations by Function for Operating Project

## Examination of Existing Structures

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** The program provides for disseminating information on facility review and examination procedures related to facility operation and maintenance; updating and maintaining various operating documents and instructions; and the reviewing and evaluation of mechanical equipment and critical lifeline structures on Reclamation facilities. The program impels safe and proper operation of facilities, reducing in-service failures and excessive maintenance, and protects the Federal investment.

**AUTHORIZATION:** Reclamation Act of 1902, June 17, 1902; and P.L. 260, the Reclamation Project Act of 1939, August 4, 1939.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water.

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Facility Operations	\$2,277,000	\$2,811,000
Facility Maintenance & Rehabilitation	3,775,000	4,864,000
Enacted/Request	\$6,052,000	\$7,675,000
Prior Year Funds	446,845	0
Non-Federal Funds	0	0
Total Program	\$6,498,845	\$7,675,000
Prior Year Funds/Non-Federal	(446,485)	0
Total Reclamation Allotment	\$6,053,000	\$7,675,000

**WORK PROPOSED FOR FY 2010:**

**Facility Operations** - Continue activities to update and maintain Standing Operating Procedures and other operating documents in promoting safety and consistency in facility operating practices and procedures. **\$2,811,000**

**Facility Maintenance and Rehabilitation** - Evaluation, coordination, and dissemination of facility operation and maintenance information through workshops related to inspection and review practices and procedures for dams and associated (water-related) facilities. Additionally includes compilation and submittal of Reclamationwide landslide surveillance and bridge inventory data. These actions promote the continued efficient and safe operation of Reclamation facilities. **4,864,000**

**Reclamation Request** **\$7,675,000**

## Federal Building Seismic Safety Program

**LOCATION:** The 17 Western States in Reclamation's service area. Related work may be performed throughout the United States for other Federal entities on a reimbursable basis.

**DESCRIPTION/JUSTIFICATION:** The objective of the Federal Building Seismic Safety Program is to identify and mitigate unacceptable seismic risk in Reclamation's owned and leased buildings, in order to provide a safe environment for our employees and the visiting public. Non-reimbursable risk identification activities include seismic screening and evaluation, risk assessment, rehabilitation cost estimating and planning, and reporting phases of the Seismic Safety Program which provides seismic safety assessments for Reclamation-owned buildings and plants. Reimbursable risk reduction activities include seismic rehabilitation designs and necessary modifications to Reclamation buildings determined to be unsafe to occupants during earthquakes. Facility replacement through new construction may be proposed for projects when shown to be the most cost-effective risk reduction alternative. Reclamation is also the coordinator for the Departmental program and funds Reclamation's share of that effort.

In December 1998, the Department issued a report to the Interagency Committee on Seismic Safety and Construction (ICSSC) as required by Executive Order 12941. The ICSSC then submitted it to Congress. Reclamation's report identified seismically deficient buildings in the owned-building inventory and the cost to rehabilitate these deficient buildings. In FY 1999, and in prior years, Reclamation program funding needs were based on risk identification activities. The Program identified 31 of 2900 buildings in Reclamation's inventory where seismic risk reduction projects are justified. Beginning in FY 2000, Reclamation's program began its requests for funds to mitigate the unacceptable risks. To date, the Program has completed risk reduction on 13 of those projects and continues to evaluate, schedule, prioritize and fund risk reduction activities for those remaining high risk buildings.

In FY 2003, the Program began establishing guidelines and methodologies for identifying seismic risk in Reclamation-owned major pumping and power plants (plants). The Program has since begun to identify seismic risk in plants and develop associated risk reduction and prioritization methodologies.

**AUTHORIZATION:** Reclamation Act of 1902, June 17, 1902; Executive Order 12941, December 1994, "Seismic Safety of Federally Owned or Leased Buildings;" P. L. 101-614, November 16, 1990; and P. L. 105-47, October 1, 1997, Amendments to the National Earthquake Hazards Reduction Act of 1997.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Facility Maintenance and Rehabilitation	\$1,339,000	\$1,400,000
Enacted/Request	\$1,339,000	\$1,400,000
Non-Federal	0	0
Prior Year Funds	10,778	0
Total Program	\$1,349,778	\$1,400,000
Prior Year Funds/Non-Federal	(10,778)	0
Total Reclamation Allotment	\$1,339,000	\$1,400,000

**WORK PROPOSED FOR FY 2010:**

**Facility Maintenance and Rehabilitation** - Continues seismic risk identification activities in buildings and plants. Seismic risk identification activities in three major plants are planned for FY 2010. Continues modification activities to mitigate the seismic risk in the highest priority Reclamation reserved facilities that were identified in the December 1998 Interior Seismic Safety Program Report or during the subsequent risk identification activities. Continue to update the dynamic listing of prioritized rehabilitation candidates among the buildings and plants already identified to ensure the direction of resources to the highest priority projects. Continues the coordination of the Department Seismic Safety Program for buildings and directs resources to the coordination of the Reclamation Program. Uses portfolio funding to direct reimbursable, seismic rehabilitation project costs to the highest priority reserved facilities, recognizing that replacement through new construction may be the most economically viable risk reduction alternative. Portfolio funding is currently planned for the seismic rehabilitation of the Yuma Area Office Building, Yuma AZ. This is a multi-year funding effort currently scheduled for FY 2010 and FY 2011. Based on current planning, completion of risk identification activities in plants and risk reduction activities in Reclamation owned (not transferred) high risk facilities is planned for FY 2013.

**Reclamation Request**

**\$1,400,000**

## General Planning Activities

**LOCATION:** The 17 Western States in Reclamation’s Service Area.

**DESCRIPTION/JUSTIFICATION:** Funds are used to accomplish various administrative water resource management initiatives, develop analytical tools and training materials relevant to investigation activities, resolve general Reclamation investigation guideline issues, conduct short-term unanticipated investigation activities not funded by other investigation programs, perform preliminary technical examination of local problems and needs, and participate on State and Federal study teams.

**AUTHORIZATION:** The Reclamation Act of 1902, June 17, 1902.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior’s Strategic Plan* end outcome goal(s): Deliver Water.

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$1,868,000	\$2,213,000
Enacted/Request	\$1,868,000	\$2,213,000
Non-Federal	0	0
Prior Year Funds	38,053	0
Total Program	\$1,910,153	\$2,213,000
Prior Year Funds/Non-Federal	(38,053)	0
Total Reclamation Allotment	\$1,868,000	\$2,213,000

**WORK PROPOSED FOR FY 2010:**

**Water and Energy Management and Development** - Continues the review of data and reports from others that might affect Reclamation interests and conduct critical short-term investigation activities not funded by other investigation programs. Continues to maintain and develop hydrologic models to state-of-the-art capability to effectively respond to hydrologic modeling request from a variety of sources.

Continues to coordinate Reclamation water quality activities with ongoing programs and initiatives of other Federal, State and local agencies, including Native American Tribes. Continues initial coordination of wastewater reuse activities, including meetings with potential project sponsors, continues preparation of regional status reports, budget documents, and general investigations program administration and advance scoping of potential activities.

Continues to respond to administrative, congressional, and public inquiries regarding planning activities which are not included in the current year program, staff training in investigation process and policy guideline development, participating in partnership activities and responding to unprogrammed work related to fish, wildlife, and environmental activities including coordination and mutual program development.

Continues coordination, completion of special studies, formulation of new studies, and completion of ongoing studies that are short-term (usually less than one year) in areas not covered by other investigation programs; and strategic planning activities at the Regional Office. Primary emphasis is on activities that cross interregional boundaries or Geographically Defined Program, such as Reclamationwide tasks, interstate agreements, and unanticipated short-term investigations.

**Reclamation Request**

**\$2,213,000**

## Land Resources Management Program

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** The program provides for land management and resources activities on lands managed by Reclamation. This work includes liaison with cooperating land management entities and other administrative activities to ensure the soil and hazardous waste management, pest and invasive species management, cultural resources management and compliance activities, fire management plans, and other related contractual arrangements are properly administered. This program provides for resource management planning studies which are used to determine future management and utilization of the lands within Reclamation's jurisdiction. In addition, this program provides direct operation, maintenance, and replacement activities required to protect resources on land where it has not been possible to secure management by an administering agency and helps meet requirements of the Americans with Disabilities Act (ADA) and the Architectural Barriers Act and Section 504 of the Rehabilitation Act.

The program includes completing the identification of Native American Graves Protection and Repatriation Act (NAGPRA) items in Reclamation collections and repatriation of burial items to the appropriate affiliated Tribes, as well as the disposition of NAGPRA items newly discovered on Reclamation lands. The program includes contracts for boundary surveys and fencing, aerial photography, geographic information system activities, and office support services.

**AUTHORIZATION:** Reclamation Act of 1902, June 17, 1902; the Antiquities Act of 1906, June 8, 1904; P.L. 260, the Reclamation Project Act of 1939, August 4, 1939; P.L. 89-665, the National Historic Preservation Act of 1966 (NHPA), October 15, 1966; P.L. 91-512, Resource Recovery Act (RRA), October 26, 1970; P.L. 93-14, Solid Waste Disposal Act-Extension, April 9, 1973; P.L. 93-291, Archeological and Historic Preservation Act of 1974, May 24, 1974; P.L. 94-580, Resources Conservation and Recovery Act of 1976 (RCRA), October 21, 1976; P.L. 95-341, American Indian Religious Freedom Act of 1978, August 11, 1978; P.L. 96-95, Archeological Resources Protection Act of 1979, October 31, 1979; P.L. 96-510, Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), December 11, 1980; P.L. 99-499, Superfund and Reauthorization Act of 1986 (SARA), October 17, 1986; P.L. 101-508, Toxic Substance Control Act (TSCA), November 5, 1990; P.L. 101-601, Native American Graves Protection and Repatriation Act, November 16, 1990; P.L. 90-480, Architectural Barriers Act of 1968, August 12, 1968; P.L. 93-112, Section 504 of the Rehabilitation Act of 1973, as amended September 26, 1973; Executive Order 12906, April 11, 1994; P.L. 104-170, The Federal Insecticide, Fungicide and Rodenticide, as amended, August 3, 1996; Executive Order 13112 Invasive Species, February 3, 1999; Executive Order 13423 Strengthening Federal Environmental, Energy, and Transportation Management, January 26, 2007.

**COMPLETION DATA:** This is an ongoing program.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water, Protect Cultural and Natural Heritage Resources, and Improve the Quality and Diversity of Recreation Experiences

**SUMMARIZED FINANCIAL DATA**

**Program Financial Data**

Activity	FY 2009	FY 2010
Land Management and Development	\$6,856,000	\$8,682,000
Enacted/Request	\$6,856,000	\$8,682,000
Non-Federal	0	0
Prior Year Funds	39,658	0
Total Program	\$6,895,658	\$8,682,000
Prior Year Funds/Non-Federal	(39,658)	0
Total Reclamation Allotment	\$6,856,000	\$8,682,000

**WORK PROPOSED FOR FY 2010:**

**Land Management and Development** - Continues to facilitate Reclamation’s overall compliance with applicable Federal laws, regulations, Executive Orders (E.O.), Department of the Interior (Department) policies, and Reclamation policies, Directives and Standards, and guidelines; specifically, pest management program administration and implementation of Reclamation’s Integrated Pest Management Manual and Presidential E.O. 13112 on Invasive Species. For hazardous materials management program administration, technical assistance to the field for the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), the Resource Conservation Recovery Act (RCRA), and the Toxic Substances Control Act (TSCA), for fire management plans, the Secretary’s 2001 Federal Fire Policy.

The Department’s Centralized Billing and Direct Billing Activities: Funding in FY 2010 continues to fund support services and common services provided by the Department which are assessed through the Department’s Working Capital Fund (the Centralized Billing). Such common service costs include:

Invasive Species Council - The National Invasive Species Council (NISC) provides coordination and leadership for invasive species program and activities throughout the Federal Government. Invasive species are non-native or alien species that harm the economy, environment, and in some cases human health. E.O. 13122, signed in 1999, established the Council and designated the Secretaries of the Interior, Agriculture, and Commerce as co-chairs. Other members include the Departments of Transportation, Defense, Health and Human Services, State, Homeland Security, and Treasury; as well as the Environmental Protection Agency (EPA), U.S. Trade Representative, and U.S. Agency for International Development. The E.O. states that the Secretary of the Interior shall provide for staffing and support of the NISC and the Invasive Species Advisory Committee (ISAC), which is a group of diverse, non-Federal experts and stakeholders, tasked with providing outside input and advice to the Council. The Department billing methodology is based on the size of the bureau’s invasive species programs. By E.O., the Department of the Interior must maintain the NISC and ISAC.

\$226,700

Invasive Species Department’s Coordinator - The Department’s Coordinator coordinates the Invasive Species Program among the various bureaus and program offices of the Department and is the Department’s representative on the Invasive Species Council. The Department billing methodology is based on the size of the bureau’s invasive species programs. By E.O., the Department must maintain the NISC and ISAC.

38,500

Environmental and Disposal Liabilities (EDL) - The Department established this program to ensure that bureaus within the Department identify and report environmental liabilities, and that the amounts

reported are complete and accurate, within a reasonable certainty. Funding proposed in FY 2010 would provide additional funds for activities associated with meeting the asbestos cleanup liability requirement, internal control reviews of the EDL program, and the EDL Workgroup. 18,700

FedCenter - The program funds the Department's share of support costs from the Federal Facilities Environmental Stewardship and Compliance Assistance Center (FedCenter), a joint initiative between EPA, the U.S. Army Corps of Engineers, and the Office of the Federal Environmental Executive to establish an all-services technical and compliance assistance center to help Federal environmental officials better address their environmental needs. 2,700

E-Gov Travel - E-Gov Travel is a government-wide, web-based, end-to-end travel system/service, and is one of five General Services Administration (GSA) managed E-Gov initiatives in the President's Management Agenda. This program will replace more than 250 different travel booking, authorization and financial systems across the Federal government. It will also align all GSA travel programs, including air, lodging and policy into an integrated platform of shared services to better serve travelers. The Department's billing methodology is based on the number of travel vouchers processed per bureau. 65,400

Renewable Energy Certificates - The purchase of renewable energy certificates is necessary to ensure compliance with the Energy Policy Act of 2005, which stipulates that an increasing percentage of electric energy purchases by the Federal government must be from renewable energy sources. These targets may be met through the purchase of "green energy" from utility companies, on-site renewable energy projects, or the purchase of renewable energy credits. The majority of the Department's renewable energy is produced through individual onsite renewable energy projects, but since these projects are not yet sufficient to meet the new requirements, the Department must purchase renewable energy certificates and "green energy" to fill the gap. 6,800

Alternative Dispute Resolution (ADR) Training - This program will support the increased use of alternative dispute resolution processes and conflict management practices. The program will train attorneys, supervisors, and ADR neutrals to improve their conflict management and negotiation skills and use ADR to lower litigation costs. The Department will provide ADR training in 2009 to eliminate duplicative ADR training costs and avoid future litigation by improving conflict management skills. Supervisors will be trained to recognize conflict and use it as an opportunity to create change and build relationships, use conflict handling strategies, increase the use of collaborative problem solving approaches, and increase the awareness and engagement of all affected parties in the resolution of conflict. In-house neutrals will receive training to enhance their negotiation skills through the use of an experiential and shared learning mod, create opportunities for team-building that supports a single Department-wide approach to conflict resolution, increase awareness of state-of-the-art resolution techniques and practices, and ensure sound grounding in policy, legal, and other program management requirements. Finally, attorneys will be trained to develop interest-based negotiations skills necessary to engage in conflict resolution and collaborative problem-solving processes, participate as advocates in mediations or other conflict resolution processes, and become more educated about the benefits of early collaboration and conflict resolution to resolve litigation by negotiating a mutually acceptable resolution of competing interests in situations where a legal precedent is not the preferred outcome. 4,200

Accountability Team - This program will perform accountability reviews of Human Resource programs and initiatives throughout the Department. 41,900

E-Training (DOI Learn) - This program supports DOI LEARN, an automated web-based learning management system that captures, locates, requests, approves, monitors, and reports training and employee development activities throughout the Department. The Department's billing methodology is based on the number of users per bureau. 24,300

Threat Management - This project is driven by the need to detect potential network threats. A tool will be implemented to determine the source and content of data being accessed by external sources. 40,100

Electronic Records Management (ERM) - The ERM is a new initiative to develop policies, procedures, and requirements for the development of an ERM System for the Department. The Department has established records management systems for retaining and retiring paper records but does not have an electronic system to assist employees in the day-to-day creation, management, and disposition of electronic records. This requires e-mail and other electronic documents that are records to be printed to paper and filed in an approved record keeping system. The purpose of this project is to provide the Department with an enterprise-wide, centralized approach to ERM. An ERM system will provide the following benefits to the Department and its bureaus: mechanisms for managing agency records through their life-cycle, as required by law; enterprise-wide systems or cross-agency collaboration to reduce the cost associated with operation multiple, disparate records management systems, including administration, maintenance, training, etc.; a central system to provide the ability to read records beyond the life of the system that created them, thus alleviating the need to maintain outdated software; and providing a central access point to active an inactive records of an agency. The Department billing methodology is based on the size of the bureaus Information Technology (IT) budgets (but the methodology is under review). 179,600

e-Authentication - The Federal government's e-Authentication Initiative applies to web-based, public-facing applications requiring the authentication of end users, and establishes common e-Authentication technology and business practices for affected systems. The Department's e-Authentication Program coordinates between system owners, GSA, and Office of Management and Budget (OMB) to ensure compliance with the initiative. 25,300

Immediate Office of the Secretary Collaboration - This program is responsible for centrally hosting IT systems that are utilized by the Department's Office of the Chief Information Officer (OCIO). 72,800

Networx - The project will migrate the Department's bureaus and offices to the new Networx contract that replaces the old Federal Telecommunications System (FTS) 2001 contract. 76,400

Trusted Internet connection (TIC) - OMB requires all Federal agencies to design and implement TIC's to protect and monitor all Federal government internet traffic through the Department of Homeland Security's Einstein Program. 62,800

Data-at-Rest - This project will put encryption software on mobile devices, primarily laptops, to reduce the risk to Personally Identifiable Information or other sensitive information on those devices if they are lost or stolen. 3,100

Logging Extracts - The purpose of this program is to improve the Department's security posture with a solution that protects any data extract at the file level anywhere, anyplace, at anytime, including the issue of encryption, access control to the data, and audit of specific file level actions from anywhere in the Department-wide area network. 26,900

OCIO Project Management Office - The office coordinates and oversees Department-wide IT initiatives that are implemented by the OCIO. 77,500

Radio Project Management Office - A Radio Program Office is being established to oversee and manage radio assets and systems across the Department. 83,800

IT Asset Management - This program utilizes a set of IT processes and tools that are integrated with other strategic systems, such as financial management, network and systems management, etc. 13,300

Continuous Monitoring - This program incorporates a consistent approach to monitoring IT assets throughout the Department by measuring security configuration implementation, intrusion attempts, breach notification, and compliance with both the Department's and Federal standards, policies, and guidance. 13,300

Two-Factor Authentication - The Department committed to OMB to implement two-factor authentication for remote access by December 31, 2009. The plan is to use Smart Cards (from the Homeland Security Presidential Directive-12 (HSPD-12) Project) for authentication for remote access (i.e., accessing government computers and systems from outside of the Department's facilities). Each laptop or desktop requiring remote access must have card reader hardware and software to ensure compliance. 5,300

Active Directory Optimization - This project resulted from the Office of the Inspector General (OIG) finding of several serious security weaknesses in 2007. The Information Technology Management Council (ITMC) and Information Resources Management (IRM) identified this project as a high priority addition to the 2010 portfolio and approved the need for the 2008 and 2009 costs to remedy the Department's security vulnerabilities as soon as possible. The plan is to standardize the operation and management of Active Directory within each of the bureaus rather than consolidating it into a single enterprise operation. 34,400

Equal Employment Opportunity (EEO) Complaints Tracking System - This activity supports the automated iComplaints tracking system, which allows for a reliable way to monitor EEO complaint activity and trends. An automated method was recommended by the OIG. 2,900

DOI Learn (National Business Center (NBC) portion) - The NBC provides the operation and maintenance of the automated DOI Learn system. 41,400

Imaging for the Nation (IFTN) - In conjunction with continued Department of the Interior funding support to cover Federal public lands, the U.S. Department Agriculture's (USDA) National Agriculture Imagery Program (NAIP) within the Farm Service Agency (FSA) has determined that it can increase the frequency of 1-meter imagery acquisition and update from five to three years. The Department of the Interior is the manager of Federal public lands and therefore is a natural partner for FSA in coordinating a unified approach to the acquisition of national imagery. The 1-meter imagery would be acquired through FSA's contract with the private sector. FSA would inspect the imagery for quality assurance, deliver a copy of the imagery to each contributing partner, and provide the data to the USGS where it can be archived and made available to the public. The Department of the Interior (DOI) bureaus already secure similar data on an ad hoc, decentralized basis and view the coordinated approach of the NAIP partnership as a distinct improvement that will lead to process efficiencies and cost savings. The USDA-DOI partnership would ensure a decreased acquisition cycle and establish a more systematic cost-sharing process. The Bureau of Reclamation's water and environmental resources program would benefit from this consolidated approach. This activity is

projected to be a three year action. First year funding occurred in FY 2009 through the Department's Direct Billing methodology. 67,700

The increase to the Departmental Assessments budget reflects an increase of the Bureau of Reclamation's share of new IT security activities.

Total, Department and NBC Centralized Billing and Direct Billing Activities **\$1,255,800**

Administration of Section 504 Activities: Continues field inspections and survey of Reclamation facilities to determine program deficiencies and retrofitting requirements to meet the requirements of the Section 504 of the Rehabilitation Act, Title II of the ADA, and the Architectural Barriers Act. **105,000**

Cultural Resource Management: Continues managing cultural resources under Reclamation jurisdiction as mandated by Section 110 of the NHPA which includes identifying sites, buildings, and structures for nomination to the National Register of Historic Places; adaptive reuse of historic buildings and structures; historic properties interpretation; and programs to preserve, protect, and stabilize historic properties. Activities include administration of contracts for cultural resource inventory, evaluation and salvage, development of cultural resource management plans, protection of cultural resources, review of cultural resource permit applications, and review of National Environmental Policy Act (NEPA) documents. Continues towards correction of the material weakness in accountability and control of museum property, in accordance with the Museum Property Action Plan approved by the Great Plains Regional Leadership Board, June 2000. This includes collections of archeology, history, natural history, and art that will be cataloged, preserved, and inventoried in accordance with Federal statutes, regulations, and Departmental directives, such as Departmental Manual Part 411, and 36 CFR, Part 79. Continues the identification of NAGPRA items in the Bureau of Reclamation collections, consultation with Tribes, and repatriation of NAGPRA items to appropriate Native American Tribes in accordance with P.L. 101-601. **1,257,000**

Environmental Management: Continues program coordination, guidance, technical advice, and assistance to regional and area offices in complying with Presidential E.O. 13423 on the implementation of Environmental Management System (EMS) at all appropriate organizations and integration of E.O. 13423 sustainability goals into EMS. Would conduct evaluations of regional EMS to determine conformance to Reclamation EMS policy, directives, and standards. This audit, called an "EMS Conformance Audit," is required by OMB guidance in order to declare that all EMS requirements have been met and a fully functioning EMS is in place. It is distinct from recurring environmental compliance audits that evaluate facility compliance with applicable environmental regulations. The increase in the request for funding from the FY 2009 request is due to E.O. 13423 and OMB requirements to complete EMS audits of appropriate organizations for verification of compliance with applicable EMS standards. **110,000**

Fire Management: Continues activities for development of Reclamation-wide fire management plans using data obtained from demonstration projects. Proposed work includes technical assistance with wild land fire planning and suppression and Reclamation representation on inter-Departmental coordinating groups, implementation of associated agreements that are west-wide in nature, and assistance to regions in their preparation of fire management plans to ensure compliance with Departmental fire management planning policy. **392,000**

Foundation Information for Real Property Management (FIRM) System: Continues to manage Reclamation's primary real property inventory system, FIRM. The system contains information on Reclamation project lands, buildings, and structures. This system is used to supply legislatively required reports annually to the Department for the annual Payment in Lieu of Taxes report, the GSA for the annual Federal Real Property Profile report on real property owned and leased by Reclamation, and the annual Required Stewardship Information report on withdrawn lands. This system and its data reports

directly assist the regional and area offices in managing Reclamation's vital land resources to ensure that the lands continue to support Reclamation's mission of providing water supply and power generation to our customers.

The FIRM system is also used to annually reconcile the initial acquisition cost of project lands, building, and structures with the hard costs contained in the Federal Financial System to ensure Reclamation's project financial statements are accurately reported. FIRM's real property records are in a state of constant change due to acquisition, disposal, and withdrawal relinquishment, and other administrative actions. This reconciliation effort meets the requirements of the Department's Real Property Financial Management Policy, which implements Statements of Federal Financial Accounting Standards (SFFAS) Number 6, Accounting for Property, Plant and Equipment; and SFFAS Number 8, Supplementary Stewardship Accounting. **157,000**

Geographic Information Systems (GIS) and National Spatial Data Infrastructure (NSDI): Continues GIS and NSDI development and support. Activities include data collection, input and interpretation, and spatial and relational database development use and analysis as required by E.O. 12905 and amended by E.O. 13286. Ensures regional compliance, provides technical services and products, and provides technology transfer and data development support to water agencies and districts. **666,000**

Hazardous Materials Management: Continues program coordination, guidance, technical advice, and assistance to regional and area offices in complying with the Comprehensive CERCLA, RCRA, and TSCA. Conduct Department mandated environmental compliance reviews of regional and area office hazardous materials management and waste disposal business practices and operations. Continues coordination with Department and provides for the Reclamation-wide implementation of mandated Departmental programs and initiatives. **576,000**

Invasive Species/Pesticide Management: Continues program direction, technical advice, development of new pest management techniques, assistance in inventorying invasive species, development of integrated pest management plans, and the drafting and publishing of pest management manuals for field operations and maintenance. Represent Reclamation on Departmental and State committees for invasive species management. Consultation and cooperative efforts with others in preventing the establishment of invasive species enables Reclamation to operate and maintain projects in a safe and reliable manner, assuring delivery of water and power. Integrated pest management techniques will ensure that Reclamation is able to conserve water and enable Reclamation to meet requirements such as State water rights, interstate and international compact, decree, and contracts. **203,200**

Land Records Audit: Continues land record research, maintenance of land records, updating of Reclamation's land inventory system and conversion of paper land records into digital format. Funding will be used for the annual recertification of land records and reconciliation of the records to the financial system and additional land issues. **521,000**

Land Resources Technical Support (Data Partnering): Continues funding for the Land Resources Technical Support's Data Partnering activity. Reclamation works with the USDA to use data that USDA agencies collect in place of the "crop census" data collected by Reclamation. This initiative reduces the paperwork burden on the public and provides an alternative source of data for Reclamation to use. This data is used for a variety of activities ranging from ability-to-pay studies to meeting statutory requirements applicable to certain projects. A Memorandum of Understanding has been executed between Reclamation and USDA's FSA in which FSA data is provided free of charge to Reclamation on an annual basis. Funding is required to prepare USDA data for use within Reclamation and to digitize Reclamation project boundaries in order to utilize the FSA data. **58,000**

Land Rights Use: Continues meeting public requests for data regarding Reclamation lands and response on ownership, appraisal, and other land actions. This activity involves preparation and regulation of leases, grant permits, and other land use activities. **381,000**

Land Use Management: Continues the administration, management, and oversight of land exchanges, rights-of-way activities, reviews of land utilization, maintenance of land records, recreation fees assessments, data coordination, tort claims investigations, modeling, and protection and restoration of Reclamation controlled lands. Continues ongoing coordination and implementation of the Title Transfer Program, transferring eligible Reclamation project facilities of non-national importance that could be efficiently and effectively managed by non-Federal entities. Continues field inspection and survey of Reclamation facilities to determine program deficiencies, and retrofitting to meet legal requirements. Continues fire suppression contracts with the Bureau of Land Management in Idaho and Oregon. Continues administration and management of the Reclamation Recreation Management Act - Title XXVIII program including costs for the regional coordinator. Minimum land resource management responding to public requests for license agreements, outgrants, surveys, to resolve trespass problems and to locate outgrant features and letters of consent for the Preston Bench Project features. **3,000,000**

**Reclamation Request** **\$8,682,000**

## Miscellaneous Flood Control Operations

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** The program makes flood forecasting possible by funding the collection of rainfall, snowpack, temperature and streamflow measurements necessary to make decisions on reservoir operations during flood events. The program maintains early warning systems which alert reservoir operators of conditions associated with flooding. The program supports stream-gaging by the U. S. Geological Survey and state water resources departments.

The program also funds improvements to runoff forecasting. Reclamation is improving its ability to forecast runoff by using more data from available sources. Reclamation is collaboratively working with the National Weather Service to develop and implement the Extended Streamflow and Prediction computer model to improve long range forecasts for river basins throughout the Reclamation. Forecasts are coordinated between Reclamation, the Natural Resources Conservation Service, the U. S. Army Corps of Engineers and the National Weather Service.

**AUTHORIZATION:** P.L. 74-738, The Flood Control Act of 1936, June 22, 1936 as amended P.L. 78-534, The Flood Control Act of 1944, December 22, 1944; and P.L. 99-450, the Colorado River Floodway Protection Act, October 8, 1986.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goals: Deliver Water.

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Facility Operations	\$691,000	\$777,000
Enacted/Request	\$691,000	\$777,000
Non-Federal	0	0
Prior Year Funds	481	0
Total Program	\$691,481	\$777,000
Prior Year Funds/Non-Federal	(481)	0
Total Reclamation Allotment	\$691,000	\$777,000

**WORK PROPOSED FOR FY 2010:**

**Facility Operations** - Continues operation of hydromet stations, monitoring and collection of data for rain and snowfall measurements, temperature streamflow measurements, spillway gate positions, and early warning systems. Continues coordination with the U.S. Army Corps of Engineers, National Weather Service, and the U.S. Geological Survey and Natural Resource Conservation Service for streamgaging activities. Continues updating streamflow volume forecasts in coordination with National Weather Service River Forecast Center using extended streamflow predictive model and regression techniques. Continues providing assistance with the administration, implementation, and improvement to the Arizona statewide flood warning system through participation with a multi-agency task force.

**Reclamation Request**

**\$777,000**

**SEE APPENDIX FOR:** Obligations by Function for Operating Projects

## **Native American Affairs Program**

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** Reclamation's reorganization implemented on January 12, 2007 merged the Native American Affairs Office and the International Affairs Office into one organizational unit named the Native American and International Affairs Office (NAIAO). This request is the second budget cycle to recognize this consolidation. Funding requests for the NAIAO will be shown in two sections of the budget submission. The Native American Affairs Program activities are addressed under Water and Related Resources and the International Affairs Program activities are funded through the Policy and Administration appropriation and reimbursements from non-Reclamation sources. Each are shown in the appropriate section of this submission.

The Native American Affairs Program activities include: providing policy and technical support for Indian water rights settlements; developing Reclamation policies and procedures to uphold the Secretary's Indian Trust responsibility; making Reclamation resources available to Indian Country to assist tribal governments to protect, manage and develop water and related resources; coordinating a technical assistance program to Tribes in accordance with applicable sections of Reclamation's implementation plan; providing support for the Indian Self-Governance and Self-Determination programs; including training for Reclamation employees and members of federally recognized Tribes in water resources-related areas. These activities are consistent with the Presidential policy described in the memorandum for the Heads of Executive Departments and Agencies, entitled "Government-to-Government Relations with Native American Tribal Governments," dated April 1994.

**Technical Assistance** - Funding provides for technical and financial assistance to Indian Tribes, and tribal organizations in order to increase opportunities for Indian Tribes to develop, manage and protect their water related resources. Program activities include: assisting Tribes to better understand their water related needs; and developing water resources, including rural water supplies on Indian reservations, through traditional and innovative technologies.

**Negotiation and Implementation of Water Rights Settlements** - Funding provides for Reclamation involvement in negotiating Indian water rights settlements through involvement on Federal Water Rights Negotiations teams. Activities primarily include: direction and participation of Reclamation staff on Federal Indian water rights negotiating teams, the performance of technical studies, and the gathering and technical analysis of data to assist in negotiations. Funding for implementation of Indian water rights settlements is generally contained in the Department's Land and Water Settlement Fund, however, Reclamation has implementation responsibility, both for work that is specifically directed and included within ongoing construction projects, such as Southern Arizona Water Rights Settlement Act, and in other cases, for work which is not specifically directed, but which is required for implementation. In addition, support is provided to the Secretary's Indian water Rights Office.

**Program Support and Outreach** - Funding provides for the development and implementation of policy, coordination and administration of Reclamation's Native American Affairs Program, including outreach to Tribes. The Native American Affairs Program is overseen by the NAIAO in the Office of the Commissioner and it provides policy analysis and guidance to the Commissioner and to the field. In that capacity the NAIAO develops and promulgates directives and guidance in specific areas of Indian policy, including: regulations for implementation of activities under Title I and Title IV for Public Law 93-638; Indian Self Determination and Education Assistance Act; executive orders in such areas as adherence to the trust responsibilities of the United States to Indian Tribes; protection of Indian sacred sites on Federal lands; consultation protocols; Endangered Species Act relationships to Indian reservations; etc. In addition, because of the application of Reclamation Law in the past did not consider the unique requirements of Indian Tribes and their reservations, the NAIAO considers a significant and large body of analysis and guidance on traditional Reclamation policy as it applies and relates to Indian Tribes. The

NAIAO also provides staff training for Reclamation employees on a variety of topics, including: cultural awareness, protocol policy, and Indian Self-Determination, to enable the Reclamation staff to work more effectively with Native Americans. The NAIAO works with other Federal agencies to develop partnerships in support of Tribal water resources needs. Reclamation also has Native American Affairs Program Managers in each of its five regional offices and in numerous area offices.

**AUTHORIZATION:** The Reclamation Act of 1902, June 17, 1902, as amended; The Indian Self-Governance Act of 1994, October 25, 1994 P.L. 93-638; The Indian Self-Determination Education and Assistance Act, January 4, 1975, P.L. 95-328, as amended in 1988 to the Act P.L. 100-472; Ak-Chin Water Rights Settlement Act, July 28, 1978, P.L. 97-293; Southern Arizona Water Rights Settlement Act of 1982, October 12, 1982; P.L. 98-530; The Ak-Chin Indian Water Rights Settlement Act, October 19, 1984, P.L. 101-602; Fort Hall Indian Water Rights Act of 1990, November 16, 1990, P.L. 102-374; Northern Cheyenne Indian Reserved Water Rights Settlement Act of 1992, September 30, 1992, as amended P.L. 102-441; Jicarilla Apache Tribe Water Settlement Act of 1992, October 23, 1992, P.L. 103-413.

**BUDGET AND PERFORMANCE INTEGRATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goals: Deliver Water.

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$6,644,000	\$6,197,000
Land Management and Development	0	0
Fish and Wildlife Management and Development	0	0
Request	\$6,644,000	\$6,197,000
Non-Federal	867,000	995,000
Prior Year Funds	4,236	0
Total Program	\$7,515,236	\$7,192,000
Prior Year Funds/Non-Federal	(871,236)	(995,000)
Total Reclamation Allotment	\$6,644,000	\$6,197,000

This table represents the Native American Affairs portion only. The International Affairs Program is funded out of the Policy and Administration Appropriation and its budget is shown in that section.

**WORK PROPOSED FOR FY 2010:**

**Water and Energy Management and Development:**

Technical Assistance - Funding provides for technical and financial assistance to Indian Tribes, in order to increase opportunities for Indian Tribes to develop, manage and protect their water related resources. Program activities include: assisting Tribes to better understand their water related needs; developing water resources, including rural water supplies on Indian reservations, through traditional and innovative technologies.

Non-Federal (Technical Assistance)	4,677,000
	(995,000)
	<b>\$3,682,000</b>

**Negotiation and Implementation of Water Rights Settlements** - Continues to provide support to the Secretary's Indian Water Rights office and support Reclamation's participation on Federal negotiation teams and technical assistance in support of negotiations. Reclamation currently participates on the following negotiations teams: Aamodt (Pueblos of Nambe, Pojoaque, San Ildefonso and Tesuque New Mexico; Abousleman (Pueblos of Jemez, Zia, Santa Ana) New Mexico; Blackfeet (Blackfeet Tribe) Montana; Crow (Crow Tribe) Montana; Duck Valley (Shoshone-Paiute Tribes) Idaho and Nevada; Flathead (Confederated Salish & Kootenai Tribes) Montana; Fort Belknap (Gros Ventre & Assiniboine Tribes) Montana; Kerr McGee (Pueblos of Acoma & Laguna) New Mexico; Little Colorado River (Navajo Nation, Hopi Tribe & San Juan Southern Paiute Tribe) Arizona and New Mexico; Lummi (Lummi Nation) Washington; Navajo Nation Colorado River (Main Stream) Arizona; Navajo-San Juan (Navajo Nation); Soboba (Soboba Band of Luiserno Indians) California; Taos (Pueblo of Taos) New Mexico; Tule River (Tule River Indian Tribe) California; Upper Gila River/San Carlos (San Carlos Apache Tribe) Arizona; Walker River (Walker River Paiute Indian Tribe, Bridgeport Indian Colony & Yerington Paiute Tribe) Nevada; White Mountain (Apache Tribe) Arizona; Zuni Ramah Navajo (Pueblo of Zuni & Navajo Nation) New Mexico and Arizona.

Continues participation on Federal implementation teams and technical assistance in support of implementation of settlements. Reclamation currently participates on the following implementation teams: Fallon - Nevada; Fort Hall – Idaho; Fort McDowell – Arizona; Gila River Indian Community – Arizona; Nez Perce – Idaho; Pyramid Lake – Nevada; Rocky Boy's – Montana; San Carlos – Arizona; San Luis Rey – California; Shivwits Paiute – Utah; Southern Arizona Water Rights Settlement Act – Arizona; Uintah and Ouray Utes – Utah; Zuni Heaven - Arizona. **1,700,000**

**Program Support and Outreach** – Continues to provide for the development and implementation of policy, coordination and administration of Reclamation's Native American Affairs Program, including outreach to Tribes. Continues the coordination and administration of Reclamation's Native American Affairs Indian Water Rights Settlement Teams, continues to provide resources to assist the Secretary's Indian Water Rights Office and provides funding for the Water Rights Office in the Office of the Secretary. **815,000**

**Reclamation Request** **\$6,197,000**

## Negotiation and Administration of Water Marketing

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** The program provides for the administration of repayment contracts and operational studies for water marketing purposes. Activities include policy formulation, compliance with legal requirements, and development, review, and renewal of water marketing contracts. Activities also include Federal and state legal reviews and amendments to keep current with contract standards and activities required by the Reclamation Act of 1902 (Act). The Act requires that state statutes dealing with water rights be followed, e.g., major water right filings, litigations, reports, water use, accounting, development, review, Indian reserve rights, and administration problems involved in a number of Reclamation projects, along with other Federal, State, and private issues.

**AUTHORIZATION:** Reclamation Act of 1902, June 17, 1902; and P.L. 260, Reclamation Project Act of 1939, August 4, 1939.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water.

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$1,520,000	\$1,563,000
Enacted/Request	\$1,520,000	\$1,563,000
Non-Federal	0	0
Prior Year Funds	22	0
Total Program	\$1,520,022	\$1,563,000
Prior Year Funds/Non-Federal	(22)	0
Total Reclamation Allotment	\$1,520,000	\$1,563,000

**WORK PROPOSED FOR FY 2010:**

**Water and Energy Management and Development** - Continues review, approval and compliance of contract and repayment actions, correspondence, and agreements to ensure protection of the Federal investment, protection and advocacy of Reclamation held water rights, project water rights, and Indian reserved rights.

**Reclamation Request**

**\$1,563,000**

## Operations and Program Management

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** This activity provides funding for efficient management and evaluation of Reclamation's operations-related programs. There is a need for consistency and standardization in how Reclamation performs its operation and maintenance (O&M) activities in the area and regional offices. The activity will assist offices in Reclamation to increase awareness of the kinds of business practices that are necessary to be fiscally responsible and accountable to the taxpayers. In addition, the activity will assist in fulfilling agency goals and objectives in water resources management.

**AUTHORIZATION:** The Reclamation Act of 1902, June 17, 1902.

**BUDGET AND PERFORMANCE INTEGRATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goals: Deliver Water

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$627,000	\$1,026,000
Facility Operations	450,000	570,000
Facility Maintenance and Rehabilitation	55,000	55,000
Enacted/Request	\$1,132,000	\$1,651,000
Non-Federal	0	0
Prior Year Funds	554,204	0
Total Program	\$1,686,204	\$1,651,000
Prior Year Funds/Non Federal	(554,204)	0
Total Reclamation Allotment	\$1,132,000	\$1,651,000

**WORKED PROPOSED FOR FY 2010:**

**Water and Energy Management and Development** - This activity provides for assistance to the regional and area offices in the management and implementation of operations-related programs and associated activities. These activities are Reclamationwide in scope and span all Reclamationwide programs. These activities include implementation of consistent and standard business practices, technical support, adequate and reliable information sharing within Reclamation on operations-related facilities and programs, and fulfilling agency goals. In addition, this activity provides for assistance to the Deputy Commissioners of Policy, Administration, and Budget and Operations. Provides for coordination of Reclamation's implementation of the Water Management PART effort. In FY 2005, Reclamation began a series of reviews, under OMB's PART, of its Water Management and Supply Program. Because of extensive and core mission focus of this review, it was broken up into three separate PART reviews: (1) Planning and construction; (2) Operations and maintenance; (3) Environmental Protection. The evaluation phase of these programs was completed in FY 2007 and implementation of the recommendations began in FY 2008. With the completion of the analysis phase, this funding will enable continued implementation of this mission critical activity to progress smoothly and efficiently.

Subtotal, Water and Energy Management and Development

**\$1,026,000**

**Facility Operations** - This activity provides for the management of Reclamationwide O&M-related programs and supports the regional and area offices' implementation of these programs. Operations and Program Management activities includes staff support to the Facilities O&M Team and MAXIMO Steering Committee, and provides information, assistance, and policies, directives, and guidance to the regions on O&M matters, the assessment of facility condition/reliability, and asset management practices to promote consistency on a Reclamationwide basis. There is a need for consistency and standardization in how Reclamation corporately performs activities by the area and regional offices related to maintaining the structural integrity and operational reliability of our infrastructure and facilities. This activity will assist offices in Reclamation to increase awareness of the kinds of business practices that are necessary to be fiscally responsible and accountable to the public.

Subtotal, Facility Operations **570,000**

**Facility Maintenance** - Continue to provide for the dissemination of information on O&M management techniques and procedures to be applied to facilities on a Reclamationwide basis.

Subtotal, Facility Maintenance **55,000**

**Reclamation Request** **\$1,651,000**

## Power Program Services

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** The program provides critical guidance and support for the nation's second largest producer of hydroelectric energy annually. Reclamation's 58 hydroelectric power plants generate approximately 44 million megawatt hours of electricity, to meet the needs of over 6 million households and generate approximately \$925 million in revenues for the Federal Government. It would take more than 80 million barrels of crude oil or about 48.4 billion pounds of coal to produce an equal amount of energy with fossil fuel plants. As a result, Reclamation's facilities eliminate the production of approximately 51 million pounds of carbon dioxide that would have been produced by fossil fuel power plants.

The program provides technical guidance and assistance; coordination services; development of standards, procedures and instructions; and direction, oversight and coordination of FERC/NERC/WECC compliance activities. The program also conducts seminars and training sessions for power operation and maintenance work; represents the power program on industry councils; conducts engineering and operational studies (e.g., assessment of impacts of variable generation on power program operations); collects and disseminates power program data; creates power benchmarking statistics; and establishes Reclamation-wide power program performance measures (GPRA/PART). Furthermore, the program provides for technical and consultation activities to assist regions, areas, and projects in accomplishing safe, efficient power facility operations. Activities include Reclamationwide power-related work activities that are considered standard electric utility business expenses and are repaid through power revenues.

**AUTHORIZATION:** The Reclamation Act of 1902, June 17, 1902; P.L. 103, Town Sites and Power Development Acts, April 16, 1905; P.L. 280, Federal Water Project Act, June 10, 1920; P.L. 642, Boulder Canyon Project Act of 1928, December 21, 1928; Rivers and Harbors Act, August 30, 1935, 49 Stat. 1028, 1039; P.L. 329, Bonneville Project, August 20, 1937; P.L. 260, Reclamation Project Act of 1939, August 4, 1939; P.L. 534, Flood Control Act of 1944, December 23, 1944; P.L. 90-542, Wild and Scenic Rivers Act, October 2, 1968; P.L. 91-190, National Environmental Policy Act, January 1, 1970; P.L. 93-205, Endangered Species Act of 1973, December 28, 1973; P.L. 93-454, Federal Columbia River Transmission System Act, October 18, 1974; P.L. 95-91, Department of Energy Organization Act, August 4, 1977; P.L. 95-217, Clean Water Act of 1977, December 27, 1977; P.L. 95-617, Public Utility Regulatory Policies Act, November 9, 1978, P.L. 96-223, Crude Oil Windfall Profit Tax of 1980, April 2, 1980; P.L. 96-294, Energy Security Act, June 30, 1980; P.L. 96-501, Pacific Northwest Electric Power Planning and Conservation Act, December 5, 1980; P.L. 98-381, Hoover Power Plant Act, August 17, 1984; P.L. 99-495, Electric Consumer Protection Act, October 16, 1986; P.L. 102-486, Energy Policy Act of 2005, August 8, 2005.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goals: Deliver Hydropower

**SUMMARIZED FINANCIAL DATA**

**Program Financial Data**

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$768,000	\$724,000
Facility Operations	250,000	307,000
Enacted/Request	\$1,018,000	\$1,031,000
Non-Federal	0	0
Prior Year Funds	36,427	0
Total Program	\$1,054,427	\$1,031,000
Prior Year Funds/Non-Federal	(36,427)	0
Total Reclamation Allotment	\$1,018,000	\$1,031,000

**NOTE:** Power Program Services program also receives direct funding from the Lower Colorado River Basin Development, Fund, Colorado River Storage Project, Central Valley Project, and Bonneville Power Administration. The total program request including direct funds is \$3,275,315 of which \$1,031,000 is from appropriations and \$2,244,315 is from direct funding.

**EXPLANATION OF SIGNIFICANT CHANGES IN FUNDING:** None

**WORK PROPOSED FOR FY 2010:**

**Water and Energy Management and Development** - Continues power operations and maintenance-related support services to the Commissioner, regional and area offices, other Federal, tribal, State, and local governments, power industry constituencies, and other interested parties. Continues initiatives in deferred maintenance reporting, power related security issues, and risk based asset management studies. Continues collaboration with the Power Marketing Administration to improve the power operations and maintenance training and staff development program. Continues implementation of PART initiatives and national energy strategies. Coordinates condition assessment activities and work on Western Electric Coordinating Council (WECC) reliability requirements as they apply to Reclamation's hydroelectric power facilities. This includes interpretation of regulations, participating in compliance standard development and revision, development of mitigation plans, and auditing and enforcement of Reclamation's compliance program. Accelerates efforts on wind integration, renewables, and climate change. Provides support to Regions on FERC licensing, project use power contracts, and power rates and repayment. **\$368,000**

Appropriated: \$368,000

Direct Funding: \$1,222,311

Senior Leader Hydropower: Responsible for Reclamation's overall compliance with the Federal Energy Regulatory Commission Mandatory Bulk Electric System Reliability Standards pursuant to Energy Policy Act of 2005. As the Department of Interior's chair and the Commissioner's representative on hydropower related matters, works collaboratively with other entities in government and in the private sector. Effectively represents and commits Reclamation to particular courses of action and decisions as appropriate on matters impacting the generation of hydropower, its availability, delivery, and/or use, both within government and with private entities, forging partnerships in meeting the energy needs of the Nation. Provides technical expertise and support, as requested, to Reclamation's senior directorate on matters impacting hydrogenation or transmission facilities, and contractually related matters. Monitors policy and oversees budget justifications for Reclamation's hydropower program, coordinating strategic business initiatives, including benchmarking processes, standards, and business practices. **\$356,000**

**Subtotal, Water and Energy Management and Development**

**\$724,000**

**Facility Operations** - Continues development and application of improved processes, inspections, peer reviews, testing procedures, and maintenance procedures for the safe operation and maintenance of Reclamation's power generation facilities. Continues coordination of powerplant reviews, inspections, safety training, and the power operation and maintenance workshop. Continues work with the Policy and Program Services Office on development of CARMA system and reports to meet hydropower maintenance and compliance requirements.

Appropriated: \$307,000  
Direct Funding: \$1,022,004

**Subtotal, Facility Operations** **307,000**

**Reclamation Request** **\$1,031,000**

## Public Access and Safety Program

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** The program implements standards for providing access for persons with disabilities, identifies potential safety hazards, and minimizes risk of personal injury and loss of life at Reclamation facilities. Additionally, the program provides for safety and access modifications of Reclamation facilities for general public use, and for the safety of employees operating those facilities.

**AUTHORIZATION:** P.L. 93-112, Section 504 of the Rehabilitation Act of 1973; P.L. 93-251, Water Resource Development Act of March 7, 1974; and P.L. 101-336, Americans With Disabilities Act, July 26, 1990.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water.

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$587,000	\$598,000
Facility Operations	150,000	155,000
Enacted/Request	\$737,000	\$753,000
Prior Year Funds	127,523	0
Non-Federal	0	0
Total Program	\$864,523	\$753,000
Prior Year Funds/Non-Federal	(127,523)	0
Total Reclamation Allotment	\$737,000	\$753,000

**WORK PROPOSED FOR FY 2010:**

**Water and Energy Management and Development** - Continues evaluation of Reclamation facilities for compliance with Federal accessibility standards, responding to reporting requirements, and processing complaints. Continues implementation and management of the Accessibility Data Management System and small grants to implement action plans for accessibility compliance. **\$598,000**

**Facility Operations** - Continues monitoring and evaluation of fire protection and life safety code at Reclamation owned facilities, reviews deficiencies, tracks corrections, and consults on complex technical safety and fire hazards. Activities include reviewing procedures and oversight of fire protection and implementation of life safety codes at all Reclamation owned and operated facilities; review and promotion of water safety; and monitoring safety at recreational and public use areas where Reclamation is a managing partner. Evaluates implementation of fire protection and life safety code upgrades to assist Reclamation in the responsibility to provide a safe workplace; and provide information for the Department of the Interior (Department) facility condition index rating and Asset Management Plan. Continues periodic site assistance visits to evaluate and monitor fire prevention and protection activities. Participates on the Department's inspection teams of radio communication tower inspections at various sites. **155,000**

**Reclamation Request**

**\$753,000**

**SEE APPENDIX FOR:** Obligations by Function for Operating Projects

## Reclamation Law Administration

**LOCATION:** The 17 Western States in Reclamation's service area.

**DESCRIPTION/JUSTIFICATION:** This program provides for the implementation, administration, and enforcement of the acreage limitation provisions of Federal reclamation law, including the Reclamation Reform Act of 1982 (RRA), as amended. The program ensures that districts, individual contractors, landholders (direct or indirect landowner or lessees), and farm operators are in compliance with Federal reclamation law, the Acreage Limitation Rules and Regulations (43 CFR part 426), the Information Requirements for Certain Farm Operations in Excess of 960 Acres and the Eligibility of Certain Formerly Excess Land (43 CFR Part 428), and associated policies. Reviews of districts and audits of landholders and farm operators are conducted to ensure compliance with these statutory and regulatory provisions and policies.

**AUTHORIZATION:** The Reclamation Act of 1902, June 17, 1902; P.L. 97-293, Reclamation Reform Act of 1982, October 12, 1982; P.L. 100-203, the Omnibus Budget Reconciliation Act of 1987, December 22, 1987; and P.L. 100-503, Administrative Procedures Act, October 18, 1988.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$1,954,000	\$2,199,000
Enacted/Request	\$1,954,000	\$2,199,000
Non-Federal	0	0
Prior Year Funds	255,304	0
Total Program	\$2,209,304	\$2,199,000
Prior Year Funds/Non-Federal	(255,304)	0
Total Reclamation Allotment	\$1,954,000	\$2,199,000

**WORK PROPOSED FOR FY 2010:**

**Water and Energy Management and Development** - Continues such work as designing and revising, obtaining approval for, printing, and distributing RRA forms to be completed by landholders, farm operators, and districts subject to the acreage limitations (includes preparation of electronic versions of the RRA forms); reviewing recommendations for exemptions from acreage limitations; making acreage limitation entitlement determinations; reviewing trust documents, leases, and farm operating arrangements; conducting district reviews, audits of landholders, and field checks; providing training to Reclamation and district personnel; addressing appeals of final determinations; responding to questions and problems received from districts, landholders, and farm operators; updating and maintaining the RRA website on the Internet; and coordinating activities to ensure compliance with the RRA.

**Reclamation Request**

**\$2,199,000**

**SEE APPENDIX FOR:** Obligations by Function for Operating Projects

## Recreation and Fish and Wildlife Program Administration

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** The program provides funds for Reclamation's support of natural, restored, and artificially designed fish and wildlife habitats; for evaluating impacts of existing Reclamation project operations on wetlands and endangered species habitat; and for support of recreation, and fish and wildlife management and conservative use of the available water supply. The program also provides administrative guidance and support for rehabilitation of recreation areas to bring facilities up to current public health and safety standards; to correct facility design deficiencies; to bring facilities into compliance with Section 504 of the Rehabilitation Act of 1973, as amended, to protect the original Federal investment and to prevent the turn-back of facilities to Reclamation; and to seek non-Federal managing partners to manage recreation areas to save the Federal government the expense of operating those recreation areas. Partnerships are formed with non-Federal natural resource conservation groups (States, tribes, and private entities), and Reclamation's national Memorandum of Understanding (MOU) partners. In addition, the program provides for studies and planning opportunities in liaison with cooperating recreation interests, concessionaires, and fish and wildlife management agencies, and support of the "Catch a Special Thrill" (CAST) program for the special needs public.

**AUTHORIZATION:** The Migratory Bird Treaty Act, July 3, 1918; The Fish and Wildlife Coordination Act, March 10, 1934; The Fish and Wildlife Act of 1956, August 8, 1956; P.L. 85-624, Fish and Wildlife Coordination Act of 1958, August 12, 1958; P.L. 88-578, Land and Water Conservation Fund Act of 1965, September 3, 1964; P.L. 89-72, Federal Water Project Recreation Act, July 9, 1965, as amended; P.L. 90-573, National Trails System Act, October 2, 1968; P.L. 91-190, National Environmental Policy Act, January 1, 1970; P.L. 93-112, Rehabilitation Act of 1973; P.L. 93-205, Endangered Species Act of 1973, December 28, 1973, as amended; P.L. 94-579, Federal Land Policy and Management Act, October 21, 1976; P.L. 95-616, Bald Eagle Protection Act of 1978, November 8, 1978; P.L. 96-366, Fish and Wildlife Conservation, September 29, 1980; and P.L. 93 320, Colorado Salinity Control Act, June 24, 1974; P.L. 98 569, Colorado River Basin Salinity Control Act Amendment, October 30, 1984, P.L. 104 298, Water Desalination Act, August 1, 1996; and P.L.101-233, North American Wetlands Conservation Act, December 13, 1989.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goals: Sustain desired Biological Communities; Deliver Water; and manage or influence resource use to enhance public benefit, responsible development and economic value-hydropower.

### SUMMARIZED FINANCIAL DATA

#### Program Financial Data

Activity	FY 2009	FY 2010
Land management and Development	\$155,000	\$172,000
Fish and Wildlife Management and Development	717,000	1,453,000
Enacted/Request	\$872,000	1,625,000
Non-Federal	105,000	0
Prior Year Funds	97,238	0
Total Program	\$1,074,238	\$1,625,000
Prior Year Funds/Non-Federal	(202,238)	0
Total Reclamation Allotment	\$872,000	\$1,625,000

**WORK PROPOSED FOR FY 2010:**

**Land Management and Development -**

Continues ongoing technical oversight and compliance of recreation areas managed by Reclamation and those managed by partners. Activities include review, development and administration of recreation management agreements, leases, and concession contracts. Continues work on Section 504 coordination, field reviews, GPRA goals, and review of operation and maintenance of facilities located in Colorado, Montana, Nebraska, Kansas, North and South Dakota, Oklahoma and Texas.

Subtotal, Land Management and Development

**\$172,000**

**Fish and Wildlife Management and Development –**

**COLORADO, MONTANA, NEBRASKA, KANSAS NORTH AND SOUTH DAKOTA,**

**OKLAHOMA AND TEXAS** - Continues work on planning and provisions for enhancement of fish and wildlife habitat on Reclamation lands open for public fish and wildlife recreational use while conserving species and habitat listed or proposed for listing under the Endangered Species Act. Activities include providing policy guidance, database management, conducting pilot projects, oversight of grants and cooperative agreements, and conducting wildlife mitigation land compliance reviews.

**ARIZONA, CALIFORNIA, NEVADA** - Continues fish and wildlife management, administration, public outreach including participation in invasive species working groups, coordination efforts with other agencies involving natural resources on Reclamation lands, and public education activities associated with the program.

Continues surveying and monitoring studies of resident and migratory species which are locally/regionally important wildlife species, and their habitats to determine breeding areas, reproductive success, diet, and population size within the lower Colorado Regional area. Continues cooperative wildlife harvest/use data collection programs with other state and Federal agencies (e.g. hunting, trapping, and wildlife viewing). Funding provides training resources necessary to enhance staff knowledge in surveying for target species.

Continues fishery surveys of Lakes Mead, Mohave, Havasu, and the Colorado River above and below those reservoirs, in addition to other waters within the bounds of the Lower Colorado Region, and managed by Reclamation. Surveys include netting, shocking, and trapping fishes; conducting water quality sampling; limnology studies; telemetry studies; and participating in habitat improvement programs.

Continues coordination and monitoring efforts to contain, manage, and possibly reduce the Zebra and Quagga mussel populations in the lower Colorado River and reservoirs including outreach to water users and Federal, State and local agencies. Prevention activities such as boat inspections and installation of vessel washing stations may be used to slow the spread. Additional tasks may include monitoring for detection and population; mapping of outbreaks; water quality monitoring; engineering modifications; and procurement and installation of equipment to maintain water deliveries. Increase in funding will allow necessary oversight of the Zebra and Quagga mussels program coordination activities.

Continues wildlife surveys at Lake Pleasant and bat monitoring and yellow-billed cuckoo surveys at 3 Links Farm and the Lower San Pedro River Preserve.

Continues assisting Federal and state partners with fishermen and boater access problems associated with severe drawdown of Lake Mead; continues conducting underwater assessments of sport fish habitat structures and fishing docks for the Lake Havasu Fishery Improvement Program; continues conducting “Catch a Special Thrill” (CAST) event on Lake Mead; continues participating in mentoring and

educational programs with local schools and civic groups; and continues assisting partners with maintaining and improving trail systems, wildlife viewing areas, and other resources on Reclamation lands.

**IDAHO, NEW MEXICO, UTAH, WYOMING** - Continues program management and analysis on recreation, fish and wildlife; policy guidance, and interpretation; database management; and regional oversight of grants and cooperative agreements. Approximately half of the funding goes towards recreation, including management of the CAST program; the other half to fish and wildlife, including control of invasive species. Increase due to the addition of an invasive Dreissenid mussel control program.

Subtotal, Fish and Wildlife Management and Development Request **1,453,000**

**Reclamation Request** **\$1,625,000**

## Research and Development Desalination and Water Purification Program

**LOCATION:** Nationwide

**DESCRIPTION/JUSTIFICATION:** This program conducts desalination research, development and demonstrations for the purpose of converting unusable waters into useable water supplies. The research is conducted through competitive, merit-based cooperative agreements with universities, public, and private sector research institutions (extramural research) on a cost-shared basis.

### Desalination and Advanced Water Treatment Research and Development

**(R&D) Strategy:** The National Research Council (NRC) has published its report on Desalination: A National Perspective. The report is being used by Reclamation to formulate its advanced water treatment research program. The NRC has given guidance on areas most needing Federal investment: high risk work on major innovations and a significant focus on the environmental issues associated with both ocean and inland desalination. The NRC advised the Office of Science and Technology Policy (OSTP) to facilitate creation of a coordinated research plan for Federal research on advanced water treatment.

**AUTHORIZATION:** P.L. 104-298, Water Desalination Research and Development Act of 1996, Oct. 11, 1996 (Desal Act). The original authority provided by this Act expired in FY 2002. Language in the FY 2003 Energy and Water Development Appropriations Act (P.L. 108-7) extended authority through FY 2004. FY 2005 Emergency Supplemental Bill (H.R. 109-13) extended the authority to FY 2005. FY 2006 P.L. 109-103 extended authority through FY 2006. P.L. 110-5, Sec. 20312, extended the authority through FY 2011.

**COMPLETION DATA:** This is an ongoing program.

**BUDGET AND PERFORMANCE INTEGRATION:** This project is aligned with the following *Department of Interior's Strategic Plan* end outcome goals: Deliver Water.

### SUMMARIZED FINANCIAL DATA

#### Program Financial Data

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$2,375,000	\$2,133,000
Facility Operations	\$1,600,000	\$1,600,000
Enacted/Request	\$3,975,000	\$3,733,000
Non-Federal <sup>1/</sup>	0	0
Prior Year Funds	265,984	0
Total Program	\$4,240,984	\$3,733,000
Prior Year Funds/Non-Federal	(265,984)	0
Total Reclamation Allotment	\$3,975,000	\$3,733,000

<sup>1/</sup> In accordance with the *Desal Act*, the Federal share of the costs of research, study, or demonstration project, or of a desalination development project, shall not exceed 50 percent of the total cost.

#### WORK PROPOSED FOR FY 2010:

1. Work with OSTP as requested to complete the development of a coordinated research plan for all Federal agencies doing significant work on advanced water treatment.
2. Make a national call for research proposals focused on areas of federal priority research identified in the NRC review.

*Research and Development  
Desalination and Water Purification Program*

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3. Support the management and coordination of all Reclamation advanced water treatment research, internally and with outside partners.
4. Continue research and technology transfer, and maintain the research program and infrastructure, at the Brackish Groundwater National Desalination Research Facility (BGNDRF).
5. Support the most promising lines of desalination research currently underway by Reclamation scientists, consistent with a coordinated Federal research plan.

**Water and Energy Management and Development** - The request also includes a portfolio of R&D projects planned for the BGNDRF. **\$2,133,000**

**Facility Operations** - Continues the Federal administration, operation and maintenance of the BGNDRF. An external organization may be hired to operate and maintain the facility under Reclamation direction. **1,600,000**

**Reclamation Request** **\$3,733,000**

## Research and Development Science and Technology Program

**LOCATION:** 17 Western States in Reclamation's Service Area

**DESCRIPTION/JUSTIFICATION:** The Science and Technology (S&T) Program is the primary Research and Development (R&D) arm of Reclamation.

The S&T Program is an internal, applied, R&D program that addresses the full range of research based solutions for Reclamation water and power managers and their project stakeholders. The program has contributed many of the tools and capabilities in use today by Reclamation and western water managers. The program is Reclamation-wide; and uses a competitive, merit-based process to select R&D that is conducted under four primary focus areas:

- Improving Water Delivery Reliability
- Improving Water and Power Infrastructure Reliability and Safety
- Advancing Water Supply Technologies and Water Efficiency Solutions
- Improving Water Operations Decision Support Capabilities

S&T projects typically have a strong cost-share and collaboration between other Federal and non-Federal entities and Reclamation's technical experts and resource managers.

The program goal is to find solutions to water problems through R&D collaborations with Reclamation water managers and the water users to ensure that research-based solutions meet the specific needs.

### **Program Performance Improvement (PPI) Status**

The S&T Program achieved a score of 87 percent on the PPI.

**AUTHORIZATION:** P.L. 92-149, The Reclamation Act of 1902. June 17, 1902

**COMPLETION DATA:** This is an ongoing program.

**BUDGET AND PERFORMANCE INTEGRATION:** This project is aligned with the following *Department of Interior's Strategic Plan* end outcome goals: Deliver Water.

### SUMMARIZED FINANCIAL DATA

#### **Program Financial Data**

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$8,248,000	\$9,200,000
Enacted/Request	\$8,248,000	\$9,200,000
Non-Federal and Other Federal 1/	0	0
Prior Year Funds	47,126	0
Total Program	\$8,295,126	\$9,200,000
Prior Year Funds/Non-Federal	(47,126)	0
Total Reclamation Allotment	\$8,248,000	\$9,200,000

1/ Collaborative research typically results in an approximate 1:1 cost-share with other Federal, non-Federal, and private sector organizations.

**WORK PROPOSED FY 2010:**

**Water and Energy Management and Development** - The S&T Program contains ongoing and new research and development projects targeted at the four Reclamation mission areas: improving water delivery reliability, improving water and power infrastructure reliability and safety, improving water operations decision support, and advancing water supply and water efficiency technologies.

Continues forging new and more effective ways of transferring solutions to the water users and water managers, as well as to the private sector for those solutions that have commercial value. Without effective, programmatic methods to communicate solutions to end-users, the benefits of R&D and new solutions cannot be realized.

**Program Areas of Emphasis for FY2008-FY2010:**

**Climate Change** - Collaborate with National Oceanic and Atmospheric Administration, U.S. Geological Survey, Universities, and Western States to evaluate climate change sciences, the potential effects on Western water resources, and develop adaptation strategies as necessary to minimize impacts and maximize opportunities.

**Zebra and Quagga Mussels** - Ensuring Reclamation is positioned with the best available scientific information and able to work with others to develop strategies for effectively managing the water and power delivery risks recently introduced with the discovery of quagga mussels in Reclamation project waterways.

**Scientific Coordination and Collaboration:** Enter into and maintain productive Memorandums of Understanding and Interagency Agreements with other Federal agencies, universities, and other organizations that offer Reclamation complementary scientific and R&D capabilities. Participate on research planning and coordination teams sponsored by the White House Office of Science and Technology Subcommittee on Water Availability and Quality.

**Reclamation Request**

**\$9,200,000**

## Rural Water Program, Title I

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** Reclamation is proposing \$2.3 million for the Rural Water Program in FY 2010, building on the \$1 million requested in FY 2009. In December 2006, Congress enacted P.L. 109-451, the Reclamation Rural Water Supply Act of 2006 (Act), authorizing the Secretary of the Interior to create a rural water supply program to address rural water needs in the 17 western United States (Rural Water Program). Current data indicate that millions of Americans still live without safe drinking water, a basic necessity of life. The Bureau of Reclamation has significant experience in the planning, design and construction of rural water supply projects, but did not previously have authority to implement a formal rural water program prior to the passage of the Act. The Act required Reclamation to promulgate a rule establishing comprehensive programmatic criteria governing eligibility, the prioritization of projects for funding, and the evaluation of studies completed under the program. The Department published an interim final rule establishing these criteria in the Federal Register in November 2008. The final rule, incorporating comments from the public, is expected to be published in the fall of 2009 and Reclamation will begin implementation of the program in FY 2009.

**AUTHORIZATION:** P.L. 109-451, Title I, Rural Water Supply Act of 2006, enacted December 22, 2006. The Act authorizes the Secretary of the Interior to create a rural water supply program to address rural water needs in the 17 Western States.

**PERFORMANCE INFORMATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goal(s): Deliver Water.

### SUMMARIZED FINANCIAL DATA

Activity	FY 2009	FY 2010
Water and Energy Management and Development	\$916,000	\$2,348,000
Enacted/Request	\$916,000	\$2,348,000
Non-Federal <sup>1/</sup>	0	0
Prior Year Funds	0	0
Total Program	\$916,000	\$2,348,000
Prior Year Funds/Non-Federal	0	0
Total Reclamation Allotment	\$916,000	\$2,348,000

<sup>1/</sup> The Act requires contribution of non-Federal cost-share funding in the amount of 50 percent of the total cost for a feasibility study, and equal to any amount exceeding \$200,000 for an appraisal investigation. Cost-share contributions may be made in cash or in-kind services and are more accurately determined as proposals are selected.

#### **WORK PROPOSED FOR FY 2010:**

**Water and Energy Management and Development** - Funds are requested to implement a rural water program to address rural water needs in the 17 Western States. The Act authorizes the Secretary of the Interior to establish a rural water program in the Reclamation States to: (1) investigate and identify opportunities to address water supply needs in rural communities; (2) plan the design and construction of rural water supply projects through the conduct of appraisal and feasibility studies; and, (3) to submit feasibility studies, as appropriate, to Congress to recommend authorization for construction. Reclamation will begin implementation of the Rural Water Program in fiscal year 2009 on a pilot basis by providing assistance to non-Federal entities to conduct appraisal investigations, and feasibility studies if funding allows. The \$2.3 million requested for 2010 will be used to implement the Program by providing assistance with appraisal and feasibility studies. Assistance will be provided on a competitive basis in

accordance with programmatic criteria currently under development, and a non-Federal cost-share will be required, as provided under the Act.

**Reclamation Request**

**\$2,348,000**

## Site Security Activities

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** Reclamation's dams, reservoirs, and powerplants represent potential targets for terrorist and other criminal activity. Reclamation's large inventory of water resources infrastructure, which includes 5 National Critical Infrastructure (NCI) facilities, would present serious risks to the public if they were to fail.

The purpose of Reclamation's Site Security Program is to protect these facilities and systems, Reclamation's critical information, and most importantly, the employees, contractors, and public at or near Reclamation facilities. Security Program activities include prioritizing critical assets; identifying and assessing potential threats, vulnerabilities, and consequences; and mitigating risks through integrated and cost-effective security measures. Site Security measures may include facility fortification, surveillance and guard activities, improved security procedures, increased employee awareness, and law enforcement activities.

Security - In Fiscal Years 2002 through 2006, Reclamation conducted initial comprehensive security risk assessments on 260 critical and project essential facilities. Reclamation categorized its facilities into five criticality groups: National Critical Infrastructure, Major Mission Critical, Mission Critical, Project Essential, and Low Risk. Critical and project essential facilities were then prioritized based on several factors such as structure size and type, population at risk, public access, and other relevant factors. The facility criticality level and priority are used to develop annual work plans and schedule annual fortification activities.

From 2002 through 2007, Reclamation initiated fortification upgrades and enhancements at all five National Critical Infrastructure facilities and several Major Mission Critical facilities. We completed 2,208 of 3,243 recommendations that were developed and approved during the security risk assessment process. Recommendations generated from comprehensive and periodic security reviews are prioritized for implementation based on the identified risks and facility criticality. Each year, work plans for fortification are developed based on the current assessment of risks, the criticality level and priority of each asset, and the progress of current fortification work. As periodic studies and assessments are completed, risk is reevaluated based on changes in threats, vulnerabilities, and consequences, and existing risk-reduction measures.

Reclamation also worked closely with other Federal agencies and laboratories to enhance understanding of the potential effects of terrorist activities on dams and related resources, including cyber resources, and conducted studies and development activities on potential mitigation measures and new technologies. Reclamation provided leadership, collaboration, and coordination of security-related activities with the Department of Homeland Security and other Dams Sector agencies for implementation of the National Infrastructure Protection Plan, information sharing, and security-related studies and development.

From FY 2002 through 2008, several independent and internal reviews were conducted of Reclamation's Site Security program including a review by Sandia National Laboratory and the Interagency Forum for Infrastructure Protection, Office of Inspector General, Office of Management and Budget (OMB), and the National Academy of Sciences. As a result of these reviews, Reclamation implemented improvements to all components of its Site Security Program, including Personnel Security, Information Security, Facility Security, Operations Security, and Law Enforcement.

Law Enforcement – Prior to November 2001 Reclamation had no Law Enforcement Authority with the exception of the Hoover Dam Police Department. Following the events of September 11, 2001, in November 2001 Congress enacted P.L. 107-69 which gave Reclamation new but limited law enforcement authority. Under this new authority Reclamation is required to use other Federal, State, local, or tribal law

enforcement via contract or Cooperative Agreement. The powers of law enforcement officers are limited to Reclamation projects or Reclamation lands. Reclamation entered into an Interagency Agreement with the Bureau of Land Management to provide Law Enforcement personnel to serve as Reclamation Special Agents (RSAs) on permanent detail to Reclamation.

To exercise Reclamation's new law enforcement authority, Reclamation issued new regulations which include: Public Conduct Rule -- 43 CFR Part 423 (April 2002); Law Enforcement Authority -- 43 CFR Part 422 (June 2004); and the expanded Public Conduct Rule -- 43 CFR Part 423 (April 2006).

The Law Enforcement program shifted the emphasis from traditional land management and recreation related enforcement to an enhanced focus on counter terrorism and critical infrastructure protection. This is accomplished through the coordination and execution of additional Interagency Agreements and contracts to provide law enforcement assistance, and conducting investigations of criminal activities and suspicious incidents at Reclamation facilities.

Reclamation's Law Enforcement's Intelligence Unit gathers, analyzes, and disseminates information related to Reclamation projects, lands, and facilities, conducts threat assessments, and provides classified intelligence briefings related to Reclamation facilities. These activities are accomplished through partnerships with the Federal Bureau of Investigation (FBI)/Joint Terrorist Task Force (JTTF), State fusion centers, and other intelligence community organizations.

Reimbursability - The Consolidated Natural Resources Act of 2008 (P.L. 110-229) was signed into law on May 8, 2008. Section 513 is titled Bureau of Reclamation Site Security and includes provisions for the treatment of Reclamation Site Security Costs, transparency and collaboration, and an annual report to Congress. Section 513 provides:

“The Secretary of the Interior shall include no more than \$18,900,000 per fiscal year, indexed each fiscal year after fiscal year 2008 according to the preceding year's Consumer Price Index, of those costs incurred for increased levels of guards and patrols, training, patrols by local and tribal law enforcement entities, operation, maintenance, and replacement of guard and response force equipment, and operation and maintenance of facility fortifications at Bureau of Reclamation facilities after the events of September 11, 2001, as reimbursable operation and maintenance costs under Reclamation law.”

Section 513 also provides that capital construction costs incurred by Reclamation after September 11, 2001 for the physical fortification of Reclamation facilities shall be non-reimbursable, including construction, modification, upgrade, or replacement of facility fortifications.

Section 513 authorizes Reclamation to develop policies and procedures, with project beneficiaries, to provide for the payment of reimbursable costs described in the law. Reclamation began development of policies and procedures in late FY 2008 and planned on implementation of those policies and procedures, including the annual reimbursability ceiling, in FY 2009.

Reclamation's Site Security budget addresses the Department of the Interior's program guidance including: (1) completion of security improvements at Interior's critical infrastructures and key resources, including implementation of minimum security standards, risk assessment recommendations, and Policy Compliance Review recommendations, (2) continuation of intelligence gathering, threat analysis, and dissemination of intelligence information through summary reports and briefings, (3) continuation of studies and investigations with other organizations to help identify critical vulnerabilities, new technologies, and mitigation solutions, (4) continuation of periodic risk assessments to update and re-assess security as new threat, vulnerability, and consequence information becomes available, and (5)

validating, testing, and exercising security systems after their installation. This proposal supports the Department’s mission of Serving Communities, and the Outcome Goal of Protecting Lives, Resources, and Property. The Department must be able to prevent and deter threats to employees, visitors, and vital facilities and infrastructure as well as detect impending danger before attacks or incidents occur.

**AUTHORIZATION:** Section 251(b) (2) (D) (I) of the Balanced Budget and Emergency Deficit Control Act of 1985, as amended; P.L. 98-552, October 30, 1984. The Consolidated Natural Resources Act of 2008 (P.L. 110-229) was signed into law on May 8, 2008. Section 513 is titled Bureau of Reclamation Site Security and includes provisions for the treatment of Reclamation Site Security Costs, transparency and collaboration, and an annual report to Congress.

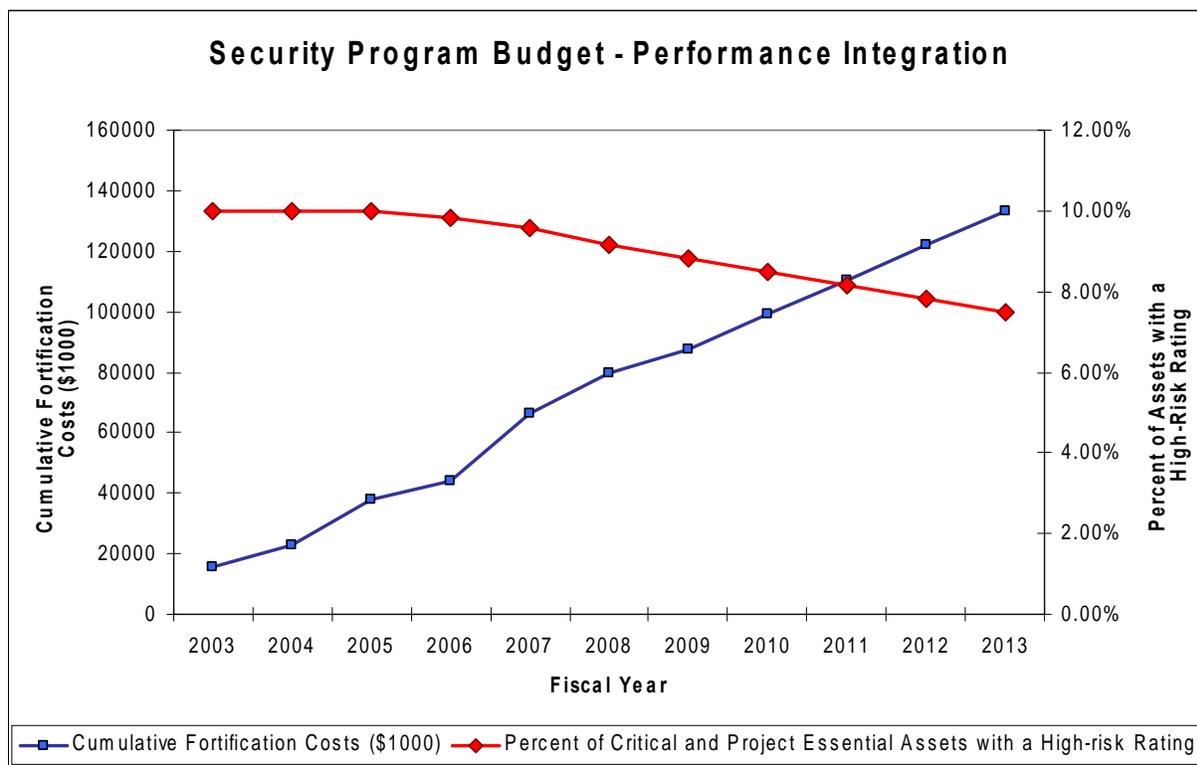
**PERFORMANCE INFORMATION:** Reclamation’s Security Program supports the Department of the Interior's (DOI) Government Performance Results Act (GPRA) Strategic Plan 2007-2012, Serving Communities mission goal, through Public Safety and Security performance measures. Additionally, the Security Program has five Program Assessment Rating Tool (PART) performance measures. The following tables displays GPRA and PART performance measures used to inform budgetary and management decisions.

<b>GPRA End Outcome Goal 1: Improve Protection of Lives, Resources, and Property</b>	<b>Departmental GPRA Performance Measures</b>	<b>PART Performance Measures</b>
<p><b>End Outcome Performance Measures:</b> Public Safety and Security.</p> <p><b>Intermediate Outcomes:</b> Improve Public Safety and Security and Protect Public Resources from Damage</p>	<p>Percent of facilities meeting the minimum Departmental physical security guidelines.</p> <p>Percent of identified physical security vulnerabilities mitigated at DOI facilities.</p>	<p>Measure 1: Percent of critical and project essential assets with a high risk rating</p> <p>Measure 2: Percent of periodic security risk assessments conducted annually on critical and project essential facilities</p> <p>Measure 3: Percent of risk assessment recommendations that have been completed</p> <p>Measure 4: Cost per active background investigation file</p> <p>Measure 5: Percent of threat assessments conducted annually in support of Comprehensive Security Reviews</p>

Reclamation’s fortification budget formulation process considers facility criticality, estimated risk to the public and facility, risk reductions, and estimated cost to implement facility security improvements. Physical fortification improvements directly reduce the percent of critical and project essential assets with a high risk rating (Measure 1) and the percent of risk assessment recommendations that have been completed (Measure 3). The studies and analysis budget formulation evaluates funding needed to investigate and develop mitigation solutions to reduce the risk at critical and project essential assets (Measure 1) and to accomplish periodic security risk assessments (Measure 2). The personnel security budget covers the funding needed to initiate and adjudicate public trust and national security background investigations and maintain case files and security clearances. Measure 4 is a cost efficiency measure which tracks the unit cost of these activities and is used to formulate the personnel security budget. The Law Enforcement budget is formulated, in part, based on the funding needed to conduct threat assessments in support of Comprehensive Security Reviews (Measure 5). Reclamation, the Department, and OMB planned on reviewing these performance measures in late FY 2008 and revising the measures as appropriate to improve their scope and effectiveness.

Measure 1, Percent of critical and project essential assets with a high risk rating, is an overall outcome performance measure for the Security Program. The reduction of high risk asset ratings cannot be precisely correlated with funding from a given fiscal year because risk reduction activities are generally achieved over multiple years, structured in three phases which include scoping, design, and installation.

The following graph demonstrates cumulative fortification expenditures and percent reduction of assets with high risk ratings.



Although all Security Program activities and budget support the accomplishment of this measure, measurable risk reduction is strongly linked to the level of fortification measures achievable within the fortification budget.

All action plan milestones are in progress. Budget requests have been more closely tied to performance measures. The revised wording of Measure 5 more accurately reflects the methods used to conduct threat assessments in support of Comprehensive Security Reviews. The milestone of conducting a full-scale embankment vulnerability test was completed in August 2008.

**SUMMARIZED FINANCIAL DATA**

**Program Financial Data**

Activity	FY 2009	FY 2010
Facility Operations	\$20,730,000	\$21,307,000
Facility Maintenance & Rehabilitation	7,284,000	7,570,000
Enacted/Request	\$28,014,000	\$28,877,000
Non-Federal <sup>1/</sup>	11,816,000	12,170,000
Prior Year Funds	230,421	0
Total Program	\$40,060,421	\$41,047,000
Prior Year Funds/Non-Federal <sup>1/</sup>	(12,046,421)	(12,170,000)
Total Reclamation Allotment	\$28,014,000	\$28,877,000

1/ In FY 2010, Reclamation will collect reimbursable O&M costs of \$18.9 million, indexed for inflation in FY2009 and 2010 as authorized by Section 513 of P.L. 110-229, of which \$12.2 million will be in up-front funding.

**WORK PROPOSED FOR FY 2010:**

**Facility Operations -**

Law Enforcement Program: Continues law enforcement program activities and oversight including administrative functions. Continues to coordinate Reclamation’s Law Enforcement activities with Federal, State, and local law enforcement agencies to enforce laws and regulations on Reclamation properties. Conducts investigations of potential criminal activity and suspicious activities on Reclamation lands and facilities, to enforce 43 CFR Part 423 (Public Conduct Rule) and other applicable laws and regulations. Conducts threat assessments to determine the potential for terrorist and/or criminal activity at Reclamation facilities.

Continues to gather, analyze and disseminate intelligence information related to Reclamation projects, land, and facilities. Continues partnership with the FBI/JTTF to compile and analyze incident reports and suspicious activities to assist law enforcement officers and security personnel in the protection of Reclamation assets.

Continues implementation activities of the Incident Management, Analysis, and Reporting System (IMARS), a Secretarial Initiative to improve the reporting of law enforcement, security, and emergency management incidents. Continues participation in Bonneville Power Administration's (BPA) Crime Witness program. Continues to provide annual Law Enforcement for Managers Training Course at the Federal Law Enforcement Training Center and provides funding for the Department of Interior law enforcement coordination and training. Continues to provide project management and oversight of full scale tactical exercises at NCI facilities which include other Federal, State, and local law enforcement agencies. These exercises are designed to validate the effectiveness of the security and law enforcement programs.

Security Program: Continues funding for comprehensive and periodic security risk assessments, and activities associated with information security, operations security, personnel security, and personal identity verification. Continues funding for Regional Security Officers, NCI Security Officers, Area Office Security Coordinators, development and maintenance of site security plans, coordination with Chief Information Office security functions, participation on the Dam Sector Government Coordinating Council, coordination with Homeland Security and other Dam Sector agencies, policy development, and fund management. Continues funding for studies and reviews to enhance understanding of the potential

effects of terrorist activities on dams and related resources, and conducting studies and development activities on potential mitigation measures and new technologies.

Includes the appropriated portion of guards and patrols costs. The FY 2010 Budget Request assumes that reimbursement of security operation and maintenance (O&M) costs will be capped at \$18.9 million, indexed for inflation in FY 2009 and 2010 as authorized by Section 513 of P.L. 110-229.

	33,477,000
Non-Federal – Power customers	<u>(12,170,000)</u>
Subtotal, Facility Operations	<b>21,307,000</b>

**Facility Maintenance and Rehabilitation** - Continues integrated security upgrades recommended during comprehensive security risk assessments. Continues work on installation and implementation of needed physical security improvements such as access control systems, vehicle barriers, video monitoring systems, intrusion detection systems, enhanced communications, and security command and control monitoring centers. Physical security enhancements will help protect Reclamation facilities from terrorist threats, other criminal activities, and unauthorized operation of water control systems, and will reduce the high risk rating at critical assets. In FY 2010, physical security upgrades and enhancements are scheduled at New Melones Dam, Mt. Elbert, and Olympus Dam, plus installation of barriers and other security enhancements at several Mission Critical facilities. FY 2010 work also includes design work for embankment mitigation at Anderson Ranch and Deer Flat, and security upgrades needed to address new North American Electric Reliability Corporation Critical Infrastructure Protection Reliability Standards.

**7,570,000**

**Reclamation Request** **\$28,877,000**

## Water Conservation Field Services Program

**LOCATION:** The 17 Western States in Reclamation's Service Area.

**DESCRIPTION/JUSTIFICATION:** Reclamation established the Water Conservation Field Services Program (WCFSP) in 1996 to proactively encourage water conservation in the operations of recipients of water from Federal water projects and to assist agricultural and urban water districts in preparing and implementing water conservation plans in accordance with the Reclamation Reform Act of 1982 (RRA). The WCFSP is managed by each of Reclamation's regional offices and implemented at the local level through Reclamation's area offices to address Reclamation-wide water conservation priorities and to meet local goals. Program coordination and support is provided by Reclamation's Policy and Program Services office. Through the WCFSP, Reclamation maintains long-term partnerships with Reclamation water contractors by making available cost-shared financial assistance for water conservation planning activities, on-the-ground efficiency improvements, demonstration projects, and education and training, as well as technical assistance from Reclamation staff. The WCFSP also supports Reclamation's efforts to broaden its partnerships by fostering coordination with other conservation programs and promoting improved water management Reclamation-wide.

Reclamation will also continue to support a uniform west-wide criteria that will enhance water conservation programs and improve water conservation activities throughout the West.

**AUTHORIZATION:** Reclamation Act of 1902, P.L. 57-161, as amended; Soil and Moisture Conservation Act of 1935, P. L. 74-46, 49 Stat. 163, 16 U.S.C. 590 et seq.; Fish and Wildlife Coordination Act, P. L. 85-624, 75 Stat. 563, 16 U.S.C. 661 et seq.; Reclamation Reform Act of 1982, P.L. 97-293, 43 U.S.C. 390jj; Section 9504 of the Omnibus Public Land Management Act of 2009, P.L. 111-11.

**BUDGET AND PERFORMANCE INTERGRATION:**

This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goals: Deliver Water.

### SUMMARIZED FINANCIAL DATA

**Program Financial Data**

Activity	FY 2009 <sup>1/</sup>	FY 2010
Water and Energy Management and Development	\$4,000,000	\$6,510,000
Request	\$4,000,000	\$6,510,000
Non-Federal	553,000	1,897,000
Prior Year Funds	12,624	0
Total Program	\$4,565,624	\$8,407,000
Prior Year Funds/Non-Federal	(565,624)	(1,897,000)
Total Reclamation Allotment	4,000,000	\$6,510,000

<sup>1/</sup> WCFSP activities previously reported under the Water for America Initiative in FY 2009.

**WORK PROPOSED FOR FY 2010:**

**Water and Energy Management and Development -**

Continues to support WCFSP activities previously reported under the Water for America Initiative. The WCFSP makes available cost-shared financial assistance at the area and regional office levels for water conservation planning activities, on-the-ground efficiency improvements, demonstration projects, and education and training, as well as technical assistance from Reclamation staff. Reclamation limits

*Water Conservation Field Services Program*

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WCFSP awards to no more than \$100,000 in Federal funding per project. Applicants continue to compete with other applicants within their region or area for WCFSP financial assistance. Funding Opportunity Announcements developed by Reclamation's regional and area offices incorporate Reclamation-wide selection criteria that reflect a priority on water conservation planning and on-the-ground efficiency improvements. Continues to assist districts with their responsibility to develop water conservation plans under the RRA. Also, continues to provide support for Reclamation's participation in the Federal-State-Local Bridging-the-Headgate partnership. The increase in funding from last year is a result of increased anticipated spending on several activities.

Non-Federal

\$8,407,000

(1,897,000)

**Reclamation Request**

**\$6,510,000**

## Water Conservation Initiative

**Location:** The 17 Western States in Reclamation's Service Area.

**Description/Justification:** The American West is now the fastest growing region of the country. The growing demand for water resources to meet the needs of expanding municipalities, the environment, and agriculture is increasing competition for finite supplies. At the same time, historically "normal" rainfall and snowpack conditions in the West appear to be shifting due to climate change.

The Department of the Interior has an important role to play in providing leadership and assistance to States, tribes, and local communities to address competing demands for water. The Water Conservation Initiative (WCI) will take a significant step toward addressing western water issues through three Reclamation programs that address competing demands for water, including an expanded Challenge Grant Program, Reclamation's Basin Study Program began in FY 2009, and the Title XVI Program. Through these programs, Reclamation will provide competitive grants for water marketing and conservation projects; basin-wide planning studies that will address the impacts of climate change; and continued funding of water reuse and recycling projects.

**Authorization:** The Reclamation Act of 1902, June 17, 1902 as amended. P.L. 102-575, Title XVI, Reclamation Wastewater and Groundwater Study and Facilities Act of 1992, October 30, 1992; P.L. 104-266, Reclamation Recycling and Water Conservation Act of 1996, October 9, 1996; P.L. 105-321, Oregon Public Lands Transfer and Protection Act of 1998, October 30, 1998; P.L. 106-554, Consolidated Appropriations Act, 2001, December 21, 2000, Appendix D, Section 106, Truckee Watershed Reclamation Project; P.L. 106-566, Hawaii Water Resources Act of 2000, December 23, 2000; P.L. 107-344, An Act to Amend Title XVI, December 17, 2002; P.L. 108-7, Consolidated Appropriations Resolution, February 20, 2003; P.L. 108-233, Irvine Basin Surface and Groundwater Improvement Act of 2004, May 28, 2004; P.L. 108-316, Williamson County Water Recycling Act of 2004, October 5, 2004; and P.L. 109-70, the Hawaii Water Resources Act of 2005, September 21, 2005, P.L. 110-161, the Consolidated Appropriations Act, 2008, 110-229, Consolidated Resources Act of 2008, and P.L. 111-11, section 9501, Omnibus Public Land Management Act of 2009.

**BUDGET AND PERFORMANCE INTEGRATION:** This project is aligned with the following *Department of the Interior's Strategic Plan* end outcome goals: Deliver Water.

**SUMMARIZED FINANCIAL DATA**

Activity	FY 2009 *	FY 2010
Water and Energy Management and Development	\$16,454,000	\$37,192,000
Request	\$16,454,000	\$37,192,000
Funding Requested within specific projects	33,839,000	8,808,000
Non-Federal	0	0
Prior Year Funds	2,659,071	0
Total Program	\$52,952,071	\$46,000,000
Prior Year Funds/Non-Federal	(2,659,071)	0
Funding Requested within specific projects	(33,839,000)	(8,808,000)
Total Reclamation Allotment	\$16,454,000	\$37,192,000

\*Challenge Grants and Basin Studies were previously reported under the Water for America Initiative in FY 2009. Also in FY 2009, Title XVI activities were reported under specific projects and the Title XVI bureau-wide.

**WORK PROPOSED FOR FY 2010:  
Water and Energy Management and Development -**

**Water Conservation Challenge Grants**

This component of the WCI includes an expanded Challenge Grant Program, which will provide cost-shared grants on a competitive basis for the following types of on-the-ground projects: (1) Water marketing projects with willing sellers and buyers, including water banks, that transfer water to other uses to meet critical needs for water supplies; (2) water efficiency and conservation projects that allow users to decrease diversions and to use or transfer the water saved; (3) projects that improve water management by increasing operational flexibility (constructing aquifer recharge facilities or making system optimization and management improvements); and (4) pilot and demonstration projects that demonstrate the technical and economic viability of treating and using brackish groundwater, seawater, or impaired waters within a specific locale.

The WCI Challenge Grants will leverage Federal funding by requiring a minimum of 50 percent non-Federal cost-share contribution. Grants will be available to States, tribes, irrigation and water districts, and other entities with water or power delivery authority. All grant proposals will be evaluated using criteria that give priority to projects that save the most water, facilitate transfers to new uses, address endangered species and other environmental issues, improve energy efficiency, conserve Reclamation project water, and exceed the minimum 50 percent non-Federal cost-share requirement.

With the funding requested in FY 2010, Reclamation will be able to fund at least 110 new projects in FY 2010. The WCI projects will be required to be completed within two years from the date of funding. As a result, projects funded under the WCI will have a near-term impact on water savings and will provide an immediate economic stimulus. Reclamation believes that water conservation, use of markets, and improved efficiency are crucial elements of any plan to address Western water issues. With the WCI grants, Reclamation will take an important step towards increasing conservation and efficiency on a West-wide basis.

**\$33,000,000**

**Basin Studies** - Reclamation will work with State and local partners to initiate two to three comprehensive, two-year water supply and demand studies in the West. Reclamation will also provide continued funding for basin studies initiated in FY 2009. These studies are critical to the West, as they will deal with the impacts of climate change, record droughts and population increases. These studies will be focused in areas with willing local/state partners who provide appropriate sharing of the study costs. Potential study areas include but are not limited to major western river basins such as the Colorado, Republican, Sacramento/San Joaquin, Columbia and Snake Rivers and/or their sub-basins, to be determined by Reclamation and its partners as appropriate.

Each study will include state-of-the-art projections of future supply and demand by river basins; analysis of how the basin's existing water and power operations and infrastructure will perform in the face of changing water realities; and recommendations on how to optimize operations and infrastructure in the basin to supply adequate water in the future.

Each study will include four main elements:

- State-of-the-art projections of future supply and demand by river basin, including the impacts of climate change.
  - Working with partners and experts in climate and hydrologic modeling, demographics and water forecasting, the studies will assess the new western water reality and apply cutting edge modeling on a river basin scale to describe what we can expect the 21<sup>st</sup> century water supply to look like. This will include appropriate revisions to definitions of “normal,” “dry,” and “wet” years, as well as projections of how precipitation (both rainfall and snow pack) and temperature patterns are likely to be impacted by climate change.
  - The studies will simultaneously forecast future water demands based on expected changes in water use patterns due to population growth, transfer of irrigation supplies to municipal and industrial use, increased demand for hydro-power, production of bio-fuels, changing needs of the environment and other factors.
  - The studies will link the supply and demand data with key elements of the hydrologic system. Typical linkages could include but are not limited to ground/surface water interaction and return flows from a multitude of different beneficial uses.
- Analysis of how the basin's existing water and power operations and infrastructure will perform in response to the projections of future water supplies and demands.
  - Based on the projections described above, the studies will assess the capability of current operations and infrastructure to meet future demand, answering the essential question: to what extent will we still be able to provide adequate water and power with existing operations and infrastructure under various future scenarios?
- Development of options to improve operations and infrastructure to supply adequate water in the future.
  - Where supply/demand imbalances are indicated, alternatives will be developed to better support the basin's goals and objectives under various scenarios of demand and supply.
- Trade-off analysis of the options identified, findings, and recommendations as appropriate.
  - Engage basin stakeholders in determining appropriate tradeoffs where necessary to best satisfy the future water needs of the entire basin.
  - Develop consensus recommendations to adapt/optimize current operations and existing infrastructure in the basin to supply adequate water in the future, including identifying and prioritizing opportunities for water banking, water conservation, water reuse, advanced water treatment, conjunctive surface and groundwater use, modifying flood operations criteria, additional authorities, changing or supplementing existing infrastructure and operations, and application of new technologies. **4,000,000**

**Title XVI** - Title XVI of P.L. 102-575, as amended (Title XVI), directs the Secretary of the Interior, acting through the Commissioner, to undertake a program to identify and investigate opportunities to reclaim and reuse wastewaters and naturally impaired ground and surface water in the 17 Western States and Hawaii. Title XVI also provides authority for the Secretary to provide up to the lesser of 25 percent of, or the Federal appropriations ceiling (typically \$20 million) for, the cost of planning, design, and construction of specific water recycling projects. The Title XVI Program is an ongoing activity, budgeted for by the regions that includes planning studies and construction activities on a project specific basis in partnership with local governmental entities.

Funds budgeted for the Commissioner’s Office will be used for reviews of Title XVI feasibility studies in accordance with Reclamation Manual Directive and Standard WTR 11-01, Water Reclamation and Reuse Program, Feasibility Study Review Process (D&S). The D&S completed in early FY 2008 identifies requirements of a Title XVI feasibility study reports and the review process, including timeframes. Continues general program administration such as collection of data on program accomplishment, coordination between regional offices for consistency, and develops means to make the program more efficient and effective. Provides seed money for unplanned or unbudgeted appraisal or feasibility studies. Continues Reclamation’s involvement in ongoing Title XVI feasibility studies under development by the non-federal project sponsors.

Additional program information can be found under the specific programs listed below. Funding for the Title XVI Program is included in the following projects:

Calleguas Municipal Water District Recycling Project	1,400,000	
Long Beach Area Water Reclamation and Reuse Project	1,400,000	
Long Beach Desalinization Project	700,000	
Phoenix Metropolitan Water Reuse Project	200,000	
San Diego Area Water Recycling Program	3,500,000	
San Gabriel Basin Project	1,400,000	
San Jose Water Reclamation and Reuse Project	208,000	
Commissioner’s Office - Title XVI Program	<u>192,000</u>	
Subtotal	9,000,000	
Amount accounted for in named Programs	<u>(8,808,000)</u>	
Total		<b>192,000</b>
 <b>Reclamation Request</b>		 <b>\$37,192,000</b>