

# RECLAMATION

## *Managing Water in the West*

### WATER CONSERVATION INITIATIVE

Reclamation provided \$38.2 million in challenge grants to 13 projects in Arizona, California, Idaho, Oregon and Utah. These challenge grants were competitive and all project proposals received were ranked, Reclamation received 141 applications.

These grants required a 50 percent non-federal cost-share contribution and were available to states, tribes, irrigation and water districts and other entities with water and power delivery authority.

Projects funded include:

- Antelope Valley Water Bank Initial Recharge and Recovery Facility Improvement Project (Calif.) - \$5 million
- Three Sisters Irrigation District Main Canal Pipeline Phase 1 (Ore.) - \$1.3 million
- Bear River Innovative Water Conservation Measurement for the Bear River Water District #11 (Idaho) - \$3.8 million
- Water Resources Sustainability Enhancements (Ariz.) - \$1.8 million

### GREEN BUILDINGS

Improving waterways goes hand-in-hand with green building renovations and construction. Reclamation used \$19.5 million to contribute to the construction of a green building in Boulder City, Nev. The building opened in September 2011 and is part of Reclamation's Lower Colorado Regional Office. It received Platinum LEED certification from the U.S. Green Building Council in January 2013.

The building uses 39 percent less water than a typical building of its size. It also uses a water-cooled air conditioning system that uses less electricity than an air-cooled system, and features its own 270 kilowatt solar farm, which provides approximately 480,100 kilowatt-hours of electricity annually, enough to meet the annual electrical demand of the facility.



The Green Building under construction in Boulder City, Nev.

### EMERGENCY DROUGHT RELIEF IN THE WEST

Portions of the Western United States were experiencing historic drought conditions, as many areas are today. Drought has devastating effects due to the direct loss of farm and farm-related jobs and through economic losses due to lessened agricultural production.

Reclamation provided \$40.6 million for 29 projects to quickly and effectively mitigate the consequences of the ongoing drought by maximizing water supplies and delivering water for the hardest hit areas while meeting commitments to assure a healthy environment. All of the funding was provided within California, hardest hit in Reclamation's service area.

Projects funded include:

- Del Puerto Water District received \$7.2 million to install 2.25 miles of temporary pipeline to pump water from an existing well into the Delta-Mendota Canal.
- Gray Lodge/Pixley Wildlife Refuges received \$5.1 million to develop wells for improved wildlife and wetlands habitat and to reduce overall water demands on the Central Valley Project.
- West Stanislaus Irrigation District received \$4.99 million to rehabilitate three existing wells as well as rent temporary pumps, 330 feet of pipe, valves, flow meters and required fittings to pump water from the West Stanislaus Irrigation District into the Delta Mendota Canal.



## AMERICAN RECOVERY AND REINVESTMENT ACT



U.S. Department of the Interior  
Bureau of Reclamation



## INVESTING IN AMERICA

The Bureau of Reclamation invested \$946 million in America's water infrastructure under the American Recovery and Reinvestment Act of 2009 to create jobs and get the economy moving again. Through this investment, Reclamation created or retained more than 10,200 jobs.

Once stakeholders identified projects as critical, Reclamation worked through a rigorous merit-based process to identify investments that met the criteria put forth by the Recovery Act. These project criteria included addressing Interior's highest priority mission needs, generating the largest number of jobs in the shortest period of time and creating lasting value for the American public.



Lewis and Clark Regional Water System

Reclamation identified six priority areas: Meeting Future Water Supply Needs, Improving Infrastructure Reliability and Safety, Environmental and Ecosystem Restoration, Water Conservation Initiative, Green Buildings and Emergency Drought Relief.

ARRA funding provided to these six priority areas total:

Meeting Future Water Supply Needs - \$469.6 million  
 Improving Infrastructure Reliability and Safety - \$155.2 million  
 Environmental and Ecosystem Restoration - \$220.1 million  
 Water Conservation Initiative - \$38.2 million  
 Green Buildings - \$19.5 million  
 Emergency Drought Relief in the West - \$40.6 million



Weber Siphon being constructed.

## MEETING FUTURE WATER SUPPLY NEEDS

Projects in this area focused on water reclamation and reuse and rural water projects as well as other projects that help communities ensure a reliable water supply.

Title XVI Water Reclamation and Reuse projects, which reclaim and reuse wastewater and naturally impaired ground and surface waters received more than \$127 million. These projects are constructed and owned by non-federal sponsors - uniting local communities with the U.S. Government to provide change, growth and a future for energy efficiency, clean water and environmental stewardship in a broad range of areas.

Projects utilizing funding include:

- City of Oxnard Groundwater Recovery and Enhancement and Treatment Phase 1 (Calif.) - \$20 million
- Irvine Ranch Water District - Wells 21 and 22 (Calif.) - \$11.7 million
- Upper Mojave River Groundwater Regional Recharge and Recovery Project (Calif.) - \$11.1 million

Reclamation spent \$241.6 million on construction of rural water projects with an emphasis on water intakes and water

treatment plants. These projects were authorized by Congress and will deliver water much sooner than if the projects would have had to wait for the normal funding process.

Reclamation completed the Perkins County Rural Water Supply Project and made significant progress to the Mni Wiconi Rural Water Project (S.D.), the Garrison Diversion Unit (N.D.), the Fort Peck/Dry Prairie systems (Mont.) and the Lewis and Clark Rural Water Supply System (S.D./Iowa/Minn.).

Other projects assisted communities by helping them ensure a reliable water supply. These projects include:

- Accelerating construction to finish the Animas-La Plata Project (Colo.) - \$10.2 million
- Central Arizona Project - Gila River Indian Community (Ariz.) - \$37.3 million
- Potholes Supplemental Feed Route (Wash.) - \$3.6 million
- Weber Siphon Complex Project (Wash.) - \$32.2 million
- Delta-Mendota Canal and California Aqueduct Intertie (Calif.) - \$17.6 million

## IMPROVING INFRASTRUCTURE RELIABILITY AND SAFETY

Recovery Act funding for this area focused on improving infrastructure reliability and safety, especially since many of Reclamation's facilities are older than 50 years, some older than 75 years. Reclamation spent \$155.2 million.

In many areas, Reclamation projects were constructed in unpopulated locations. Since the population of the West has grown, some of these locations are now near housing developments and towns. Reclamation used \$10.1 million to inspect canals in urban areas using both aerial and onsite procedures.

Reclamation used \$19.2 million to accelerate the construction of a safety of dams risk reduction at Folsom Dam in California. It included construction of spillway gate pier modifications to resist seismic loadings. This project was a key element of the comprehensive set of risk reduction actions to protect the people of Sacramento.

Funding was used to complete major repairs to federally-owned infrastructure. Included was \$15.6 million to coat Flatiron penstocks near Loveland, Colo.; \$33.6 million for projects in the Yuma, Ariz. area; and \$63 million for various other projects.



Flatiron Penstock Coating

## ENVIRONMENTAL AND ECOSYSTEM RESTORATION

Reclamation works to meet the increasing water demands in the West while protecting the environment. Reclamation spent \$220.1 million on restoring aquatic habitat that was impacted by historic development. Recovery Act funds supported projects with a goal to make the western United States' rivers, streams and estuaries environmentally healthy while continuing to provide water supply benefits.

Projects include:

- Red Bluff Fish Passage (Calif.) - \$112.6 million
- Contra Costa Fish Screen (Calif.) - \$26.3 million
- Yakima River Water Enhancement Project (Wash.) - \$21.5 million
- Battle Creek Salmon/Steelhead Restoration (Calif.) - \$12.7 million
- Klamath River Sedimentation and Analysis (Calif./Ore.) - \$11.5 million



Red Bluff Fish Passage Project