



Moving Forward in the Colorado River Basin Projects Announced May 2013

Water and Energy Efficiency Grants

Initial Vadose Zone Recharge, City of Goodyear, Arizona

Reclamation Funding: \$300,000

Total Project Cost: \$2,163,350

The City of Goodyear, Arizona will install five new injection wells so that available reclaimed water can be used to recharge the West Salt River Aquifer. The project is expected to result in water savings of 2,800 acre-feet annually by allowing for storage of a locally available supply that can be used to meet future demands.

Water and Energy Efficiency Improvement Program, Avra Valley Irrigation and Drainage District

Reclamation Funding: \$299,790

Total Project Cost: \$751,846

The Avra Valley Irrigation and Drainage District, near Tucson, Arizona, will install 3.2 miles of geomembrane canal liner to address seepage losses. The project is expected to result in water savings of 525 acre-feet annually. The District will also install flow meters and two new, more-efficient electric motors on irrigation pumps. Water savings resulting from the project will enable the District to reduce groundwater pumping, which will contribute to sustainable management of the aquifer in the Tucson Active Management Area. The District also expects to reduce energy consumption by approximately 2,635,918 kilowatt-hours each year through avoided pumping and installation of more efficient motors.

Meter Data Management System, Eastern Municipal Water District

Reclamation Funding: \$217,000

Total Project Cost: \$434,000

The Eastern Municipal Water District in southern California will install a Meter Data Management System covering 70,000 customers in the District's service area. The project will increase water use efficiency within the District and is expected to result in water savings of 1,890 acre-feet annually.

High Efficiency Urinal Flush-valve Upgrade Project, Western Municipal Water District of Riverside County

Reclamation Funding: \$209,157

Total Project Cost: \$584,157

The Western Municipal Water District of Riverside County, California will install 2,000 high-efficiency flush valves on urinals throughout Riverside, through a direct install program. The project is expected to conserve 123 acre-feet annually.

Headgate Automation, Remote Monitoring & Supervisory Control and Data Acquisitions System, Uncompahgre Valley Water Users Association

Reclamation Funding: \$38,758

Total Project Cost: \$86,128

The Uncompahgre Valley Water Users Association in Montrose, Colorado will install new automatic headgate controls and a Supervisory Control and Data Acquisitions system on the M&D and Ironstone Canals to better manage water supplies throughout the delivery system. By completing these improvements, the Uncompahgre Valley Water Users Association is directly addressing the Conveyance System Efficiency Improvements adaptation strategy identified in Technical Report F of the 2012 WaterSMART Colorado River Basin Water Supply and Demand Study. The project is expected to result in the better management of approximately 309,704 acre-feet of water annually.

Landscape Rebate Program, Southern Nevada Water Authority

Reclamation Funding: \$300,000

Total Project Cost: \$3,300,000

The Southern Nevada Water Authority will expand its existing landscape rebate program, which provides a financial incentive for residential property owners to replace turf with water efficient landscaping. The project is expected to result in the replacement of approximately 2.6 million square feet of turf, with an expected water savings of 448 acre-feet per year. Water conserved through this project will be left in the Colorado River for instream uses in the historically threatened Colorado River Basin and will contribute to existing water banks in California, Arizona, and Southern Nevada.





Improve Irrigation Efficiency and Provide Sustainability, Fremont Irrigation Company

Reclamation Funding: \$ 1,500,000 Total Project Cost: \$8,189,025

The Fremont Irrigation Company in southern Utah will convert 5.8 miles of open ditch and earthen canals to enclosed pipe, an improvement that is expected to result in water savings of 5,352 acre-feet each year by avoiding seepage and evaporation losses. Water conserved as a result of the project will be used to meet the needs of water users during periods of shortage. The project also includes installation of a 2.5 megawatt capacity hydroplant, taking advantage of the piping improvements to generate renewable energy at the Highline Ditch diversion.

Title XVI - Water Reclamation and Reuse

Long Beach Area Water Reclamation Project, Alamitos Barrier Recycled Water Project Expansion, Water Replenishment District of Southern California

Federal Funding: \$1,712,683

The Alamitos Barrier Recycled Water Project Expansion will increase the effluent treatment capacity of the Leo J. Vander Lans Water Treatment Facility located in Long Beach, California. The treatment capacity of the Facility will increase from three million gallons per day to eight million gallons per day. The treated effluent is used to maintain the Alamitos Barrier, which is an engineered fresh water pressure ridge designed to protect the Central Groundwater Basin and Coastal Plains from seawater intrusion. This project will eliminate the need for potable water to be used in the Alamitos Barrier.

Albuquerque Metropolitan Area Water Reclamation and Reuse Project, Albuquerque Bernalillo County Water Utility Authority

Federal Funding: \$1,887,317

The Albuquerque Bernalillo County Water Utility Authority will use the funds to design and construct an expanded treatment system at the Southside Water Reclamation Plant. The project is expected to save 2,500 acre-feet of water annually in addition to the 3,000 acre-feet of reclaimed water being produced by other components of the Albuquerque Metropolitan Area Water Reclamation and Reuse Project.

Basin Studies

San Diego Watershed Basin Study, San Diego Public Utilities Department

Non-Federal Funding: \$1,082,244

Federal Funding: \$1,025,000

San Diego is the eighth largest city in the United States and the second largest city in California. San Diego currently imports up to 90 percent of its water supplies from the Colorado River and northern California. The proposed study area is the San Diego Integrated Regional Water Management region, which includes the San Diego watershed. The San Diego watershed covers an area of 217 square miles and is home to 1.8 million people. The proposed Basin Study will provide a quantitative analysis of the uncertainties associated with the impacts of climate change on water supplies and demands and focus on adaptation strategies that optimize reservoir systems within the study area to advance indirect potable reuse.

West Salt River Valley Basin Study, West Valley Central Arizona Project Subcontractors

Non-Federal Funding: \$860,000

Federal Funding: \$840,000

The West Salt River Valley Basin is located in Maricopa County, Ariz., and includes the greater Phoenix metropolitan area. It is one of the fastest growing counties in the United States. The proposed study will include the development of a clear understanding of regional water supply and demand taking into account climate change and population growth projections. Additionally the study will include the development of strategies to address current and future imbalances in water supply and demand. The basin study will be a collaboration between Reclamation, the West Valley Central Arizona Project subcontractors, the Central Arizona Project (operated by the Central Arizona Water Conservancy District) and the Arizona Department of Water Resources.

For more information on the Colorado River Basin Water Supply and Demand Study, visit:

www.usbr.gov/lc/region/programs/crbstudy.html



U.S. Department of the Interior
Bureau of Reclamation