

# RECLAMATION

*Managing Water in the West*

## **Building Blocks - Existing Tools**

### ***Bureau of Reclamation's WaterSMART Activities***



U.S. Department of the Interior  
Bureau of Reclamation

# Components of The WaterSMART Program



❖ WaterSMART Grants

❖ Title XVI Water Reclamation and Reuse Program

❖ Basin Studies

❖ WaterSMART Clearinghouse

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# WaterSMART Grants

- WaterSMART Grants implement Section 9504 of the Secure Water Act by providing cost-shared funding on a competitive basis to address crucial water supply issues, stretch limited water supplies, and improve water management.



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# WaterSMART Grants

- Grants will be available to States, tribes, irrigation and water districts, and other entities with water or power delivery authority.
- WaterSMART Grants will leverage Federal funding by requiring a 50% non-Federal cost-share contribution.
- Grant projects are selected through a competitive process.
- Since 2004 \$73.8 million in Federal funding has been awarded to projects in 16 Western States resulting in an estimated water savings of approximately 580,000 acre-feet of water.

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# WaterSMART Grants Budget

- The FY 2010 enacted budget is \$18 million.
- With the \$27 million requested in FY 2011, Reclamation will be able to fund 60 to 75 new projects.

FY 2009 Enacted	FY 2009 Recovery Act	FY 2010 Enacted	FY 2011 Requested
\$7 million	\$40 million	\$18 million	\$27 million

# 2010 Funding Opportunity Announcements

- There will be 4 Funding Opportunity Announcements in 2010 for the following types of projects.
  - Water and Energy Efficiency Grants
    - Water Conservation
    - Energy Efficiency
    - Addressing Endangered Species Concerns
    - Water Banks and Water Markets
  - System Optimization Reviews
  - Advanced Water Treatment Pilot and Demonstration Projects
  - Research Grants for Non-Profits and Universities

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# WaterSMART Grant Projects

- Upper Arkansas Water Conservancy District Project - Colorado - 2008
- \$296,724 in Federal funding is being used to install telemetry data-collection platforms and flow control at high-alpine reservoirs, and to install gauges at reservoir outlet channels and streams to generate the accurate water flow measurements needed for good water management.
- The project is expected to save 1,566 acre-feet of water per year.



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# WaterSMART Grant Projects

- **City of Peoria Project  
Arizona – 2009**



- **\$1,843,291 in Federal ARRA funding is being used to enhance the sustainability of the aquifer by:**
  - **Constructing an additional recharge basin to bank reclaimed water from the City's water reclamation facility; and**
  - **Converting a well system at the Peoria Sports Complex from potable to non-potable water.**

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# Title XVI Water Reclamation and Reuse Program

- This Program identifies and investigates opportunities to reclaim and reuse wastewaters and naturally impaired ground and surface water through planning studies and construction activities.



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# Title XVI

- Title XVI construction funding is provided to projects specifically authorized by Congress and undertaken by local government entities.
- There are currently 53 authorized Title XVI projects.
- Through Title XVI over \$520 million in Federal cost-share has been leveraged with more than \$1.7 million in non-Federal funding since 1992, and in 2009 an estimated 245,000 acre-feet of water was recycled through Title XVI projects.

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# Title XVI Budget

- The Title XVI Program is budgeted for by the regions.
- In 2009, \$135 million in Federal ARRA funding was awarded to 26 projects. This Federal funding will be leveraged to construct a total of more than \$675 million in Title XVI projects.
- The FY 2010 enacted budget is over \$13 million.

FY 2009 Enacted	FY 2009 Recovery Act	FY 2010 Enacted	FY 2011 Requested
\$39.2 million	\$135 million	\$13.6 million	\$29 million

# **Title XVI New Funding Opportunity for 2011**

- In FY 2011 \$20 million has been requested, and will be distributed through a competitive selection process.**
- If final appropriations allow it, Reclamation will post an announcement inviting eligible project sponsors to apply for funding.**
- Projects will be selected using criteria focused on reducing existing diversions or addressing specific water supply issues, addressing environmental and water quality concerns, and meeting other program goals.**

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# Title XVI Projects

- **Orange County Project**

- **\$20 million in Federal funding has been used by the Orange County Water and Sanitation Districts to treat water from an existing facility and pump it through a pipeline to existing recharge facilities where it will be used to recharge the region's groundwater basin.**
- **The project provides approximately 72,000 acre-feet of water annually for groundwater recharge, injection into seawater intrusion barriers, and landscape irrigation reducing reliance on imported water from the Colorado River.**



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# Title XVI Projects

- Albuquerque Metro Area Water Reclamation and Reuse Project
  - The project is part of an effort to reduce reliance on groundwater pumping.
  - Activities include the use of treated domestic and industrial wastewater to avoid using valuable drinking water on public landscapes such as parks.
  - \$17 million in Federal funding has been awarded to date. The parts of this project that are already in operation result in the beneficial reuse of approximately 2,800 acre-feet of reclaimed water annually.



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# Basin Study Program

- Reclamation implements Section 9503 of the Secure Water Act through the Basin Study Program.
- The Program includes
  - Implementation of Basin Studies
  - West-Wide Risk Assessments
  - Landscape Conservation Cooperatives
- Reclamation has initiated 3 Basin Studies including the Colorado River, Milk River, and Yakima River Basin Studies.
- The \$6 million requested for FY 2011 will be used to work with State and local partners to analyze the impacts of climate change on water resources and to identify and support adaptation strategies.

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# WaterSMART Clearinghouse

www.doi.gov/waterSMART  
Under Development

The “WaterSMART Clearinghouse” is a Department website that will provide information on water conservation, including best practices for water conservation, conservation incentives, cost-effective technologies, actions that integrate energy and water policies, and information about Federal funding opportunities.



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## What is WaterSMART?

The Department of Interior's WaterSMART Program is tackling America's water challenges by providing leadership and assistance to states, tribes and local communities to improve conservation and increase water availability, restore watersheds and resolve longstanding water conflicts. [Learn more about what is being done to help our nation balance demands for water resources.](#)

### WaterSMART News

**February 22, 2010, Washington, D.C.** - Interior Secretary Salazar announces the Secretarial Order establishing the WaterSMART program—Sustain and Manage America's Resources for Tomorrow- and a Task Force to implement the program, led by the Assistant Secretary for Water and Science with participation from other agencies and bureaus within the Department. [More.](#)

**February 1, 2010, Washington D.C.**- Secretary Salazar announces the Department of Interior's 2011 Budget, including \$72.9 million for the WaterSMART Program. This is a total increase of \$36.4 million over the 2010 enacted, including \$27.4 million for the Bureau of Reclamation and \$9.0 million for the U.S. Geological Survey. [More.](#)

### Find and Share Water Conservation and Sustainability Information

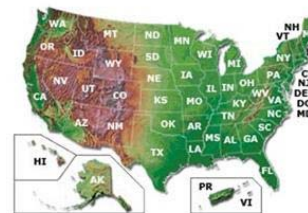
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Lake Meade and the Colorado River Facing Water Challenges

### Upcoming Events

WaterSMART kickoff workshop, Las Vegas, NV February 23-24, 2010

Workshops are planned to kick-off Bureau of Reclamation and US Geological Survey basin studies. Announcements coming soon.

**Sign up** for free email updates on successes, coming events, projects, and resources.



Downward-pointing central pivot irrigation saves water.

WaterSMART  
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