

RECLAMATION

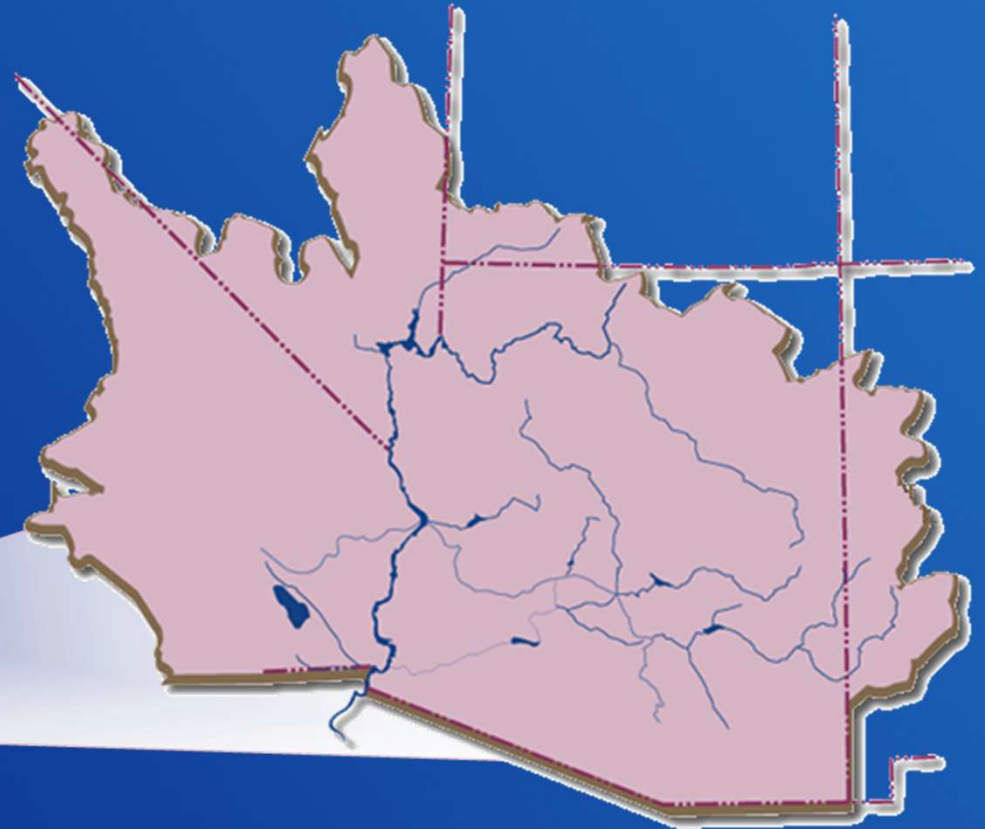
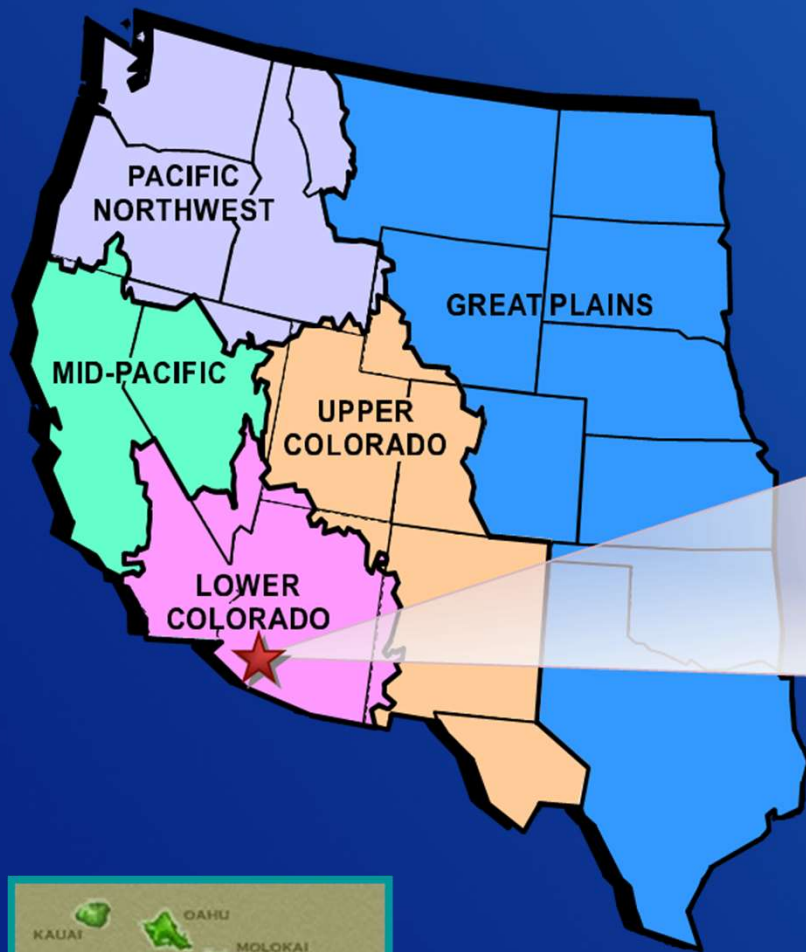
Managing Water in the West

WaterSMART Grants



U.S. Department of the Interior
Bureau of Reclamation

Reclamation Regions



Lower Colorado
Region



RECLAMATION

Phoenix Area Office Service Area

Reclamation Mission

To manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

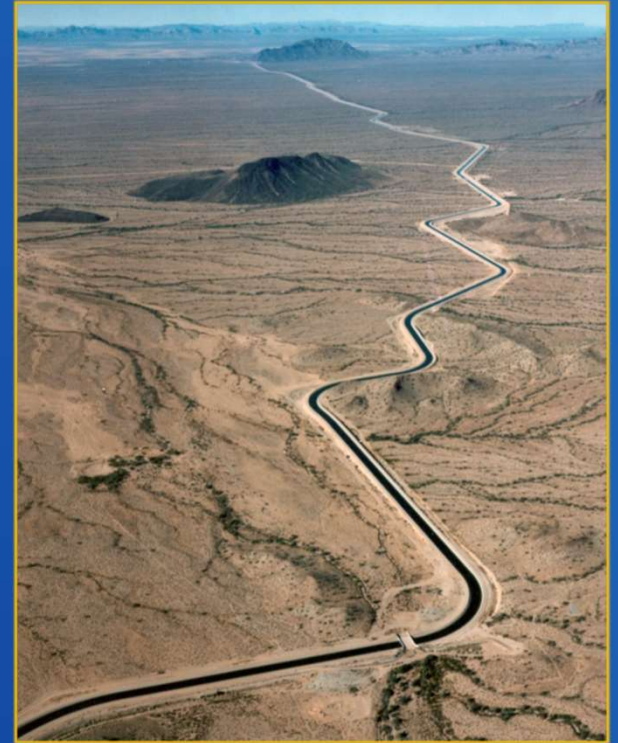


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Water Related Facilities and Uses



Hoover Dam



CAP



Environmental Uses

Agricultural Use



Municipal Use

RECLAMATION

Overview

- Reclamation Grant Programs
- NEPA
- How do I get a grant?
- What's a FOA?
- Suggestions to improve your proposals

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WaterSMART Program

Sustain and Manage America's Resources for Tomorrow

- Working to achieve a sustainable water strategy to meet the Nation's water needs
- Managed out of Reclamation's Denver Office
- Reclamation Wide programs



RECLAMATION

WaterSMART Program



Basin Study Program

Collaborative Planning



Title XVI Program

Water Reclamation and Reuse



WaterSMART Grants

Water Conservation and Efficiency



Water Conservation Field Services Program

Water Conservation Planning and Design



Drought Response Program

Planning and Building Resiliency



Cooperative Watershed Management Program

Watershed Management and Restoration

RECLAMATION

Basin Studies Program

RECLAMATION

Managing Water in the West

Funding Opportunity Announcement No. BOR-DO-19-F012

WaterSMART- Applied Science Grants



U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

May 2019



RECLAMATION

Basin Studies Program

- **Completed Arizona Basin Studies**
 - 2012 Colorado River Basin Study
- **Current Arizona Basin Studies**
 - 2013 West Salt River Valley Basin Study
 - 2015 Lower Santa Cruz River Basin Study
 - 2017 Eloy and Maricopa-Stanfield Basin Study

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Basin Studies Program- Applied Science Requirements

Applied Science Grant

- Develop hydrologic information and water management tools and improve modeling and forecasting capabilities to increase water supply reliability.

Eligible Applicants

- Category A: States, Indian Tribes, Irrigation Districts, Water Districts, Other organizations with water and power delivery authority
- Category B: Universities, nonprofit research institutions, and nonprofit organizations

Cost Share

- 50% non-Federal cost-share required

Basin Study

- Funding Group I: Up to \$150,000 and completed within 2 years
- Funding Group II: Up to \$300,000 and completed within 3 years

RECLAMATION

Title XVI – Water Recycling and Reuse Program

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Managing Water in the West

Funding Opportunity Announcement No. BOR-DO-18-F011

WaterSMART: Title XVI Water Reclamation and Reuse Projects



U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

May 2018

RECLAMATION

Managing Water in the West

Funding Opportunity Announcement No. BOR-DO-18-F012

WaterSMART: Desalination Construction Projects Under the WIIN Act



U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

May 2018

RECLAMATION

Title XVI – Water Recycling and Reuse Program

Title XVI Water Reclamation and Reuse

- Planning, design, and/or construction of Title XVI authorized projects

Eligible Applicants

- Sponsors of water reclamation and reuse projects specifically authorized for funding under Title XVI of Public Law (P.L.) 102-575, as amended

Cost Share

- 75% non-Federal cost-share requirement

Federal Funding

- Up to 25% of the total cost of planning, design, and/or construction that has either already been completed or will be conducted within 2 years

RECLAMATION

Title XVI – Water Recycling and Reuse Program

Development of Feasibility Studies

- Development of new water reuse feasibility studies

Eligible Applicants

- States, Indian Tribes, Irrigation Districts, Water Districts, Other organizations with water and power delivery authority

Cost Share

- 50% non-Federal cost-share requirement

Funding Group I

- Up to \$150,000 Federal Funding
- Completed within 18 months

Funding Group II

- Up to \$450,000 Federal Funding
- Completed within 3 years

RECLAMATION

Title XVI – Water Recycling and Reuse Program

Water Reclamation Research

- Address water supply challenges by establishing or expanding of water reclamation and reuse markets, improving existing water reuse facilities, and/or streamlining the implementation of state of the art technology for new facilities

Eligible Applicants

- States, Indian Tribes, Irrigation Districts, Water Districts, Other organizations with water and power delivery authority

Cost Share

- 75% non-Federal cost-share requirement

Funding Group I

- Up to \$75,000 Federal Funding
- Completed within 18 months

Funding Group II

- Up to \$150,000 Federal Funding
- Completed within 2 years

Funding Group III

- Up to \$300,000 Federal Funding
- Completed within 3 years

RECLAMATION

Title XVI – Water Recycling and Reuse Program

Desalination Construction Projects Under the WIIN Act

- Planning, design, and/or construction of Title XVI authorized projects

Eligible Applicants

- States, Departments of a State, subdivisions of a state, or a public agency organized pursuant to a State law,

Cost Share

- 75% non-Federal cost-share requirement

Federal Funding

- Up to 25% of the total cost of planning, design, and/or construction that has either already been completed or will be conducted within 3 years

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WaterSMART Grants

- SCADA (supervisory control and data acquisition)
- Canal Lining
- Leak Detection
- Water Metering
- Well Conversions
- Marketing
- Irrigation Measures
- Groundwater Recharge

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Funding Opportunity Announcement No. BOR-DO-18-F006

WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2018




U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

March 2018

RECLAMATION *Managing Water in the West*

Funding Opportunity Announcement No. BOR-DO-18-F009

WaterSMART Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2018




U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

March 2018

RECLAMATION *Managing Water in the West*

Funding Opportunity Announcement No. BOR-DO-18-F010

WaterSMART Grants: Water Marketing Strategy Grants for Fiscal Year 2018




U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

March 2018

RECLAMATION

Water and Energy Efficiency Grants

- **2013 City of Goodyear, AZ**
 - Initial Vadose Zone Recharge
- **2013 Avra Valley Irrigation and Drainage District, AZ**
 - Water and Energy Efficiency Improvement Program
- **2014 City of Peoria, AZ**
 - Implementation of Adaptation Strategies
- **2015 City of Nogales, AZ**
 - Drinking Water System Endpoint, Efficiency, and Improvement Program

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Small-Scale Water Efficiency Grants 17&18

- **Arizona Water Company, AZ 2017**
 - White Tank SCADA Water Efficiency Project
- **Roosevelt Irrigation District, AZ 2017**
 - Main Canal Spill Reduction
- **City of Avondale, AZ 2018**
 - Well Booster Station Meter Project
- **Cortaro Water Users Association, AZ 2018**
 - Supervisory Control & Data Acquisition (SCADA) Project
- **Oak Creek Water Company, AZ 2018**
 - Meter Upgrade Replacement Program

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WaterSMART Grants

Water and Energy Efficiency Grants Funding

- Projects that result in quantifiable and sustained water savings or improved water management, increase the use of hydropower in managing and delivering water

Small-Scale Water Efficiency Projects Funding

- Support small-scale water management projects that have been identified through previous planning efforts

Water Marketing Funding

- Conduct planning activities to develop a water marketing strategy to establish or expand water markets or water marketing transactions

RECLAMATION

WaterSMART Grants

Eligible Applicants

- States, Indian Tribes, Irrigation Districts, Water Districts, Other organizations with water and power delivery authority

Cost Share

- 50% non-Federal cost-share requirement

Water and Energy Efficiency Grants Funding

- Funding Group I: Up to \$300,000 and completed within 2 years
- Funding Group II: Up to \$1,000,000 and completed within 3 years

Small-Scale Water Efficiency Projects Funding

- Up to \$75,000 and completed within 2 years
- Total project cost of \$150,000 to \$200,000

Water Marketing Funding

- Funding Group I: Up to \$200,000 and completed within 2 years
- Funding Group II: Up to \$400,000 and completed within 3 years

RECLAMATION

Water Conservation Field Services Program

- Water Management Plans
- Project Designs
- System Optimization Reviews
- Demonstration Projects



RECLAMATION

System Optimization Review 2018

- **Arizona Department of Water Resources, AZ**
 - Evaluation of the Feasibility of Water Augmentation Options to Assist Planning Areas within Arizona
- **Gila Valley Irrigation District, AZ**
 - Gila Valley Irrigation District System Optimization Review

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Demonstration Project

- **2017 Arizona Water Company, AZ**
 - **Leak Data Collection Enhancement Project**

RECLAMATION

Water Conservation Field Services Program

Water Management Planning

- Development of written water management and/or conservation plans

System Optimization Review

- A system review to assess water management improvements and to identify a plan of action for implementing the improvements

Designing Water Management Improvements

- Design of improvement projects such as pipelines, canal lining, water measurement structures, or other water management improvement projects

Demonstration Projects

- Demonstrate innovative technologies to increase technical understanding of unfamiliar water management and conservation principles and practices that have not been previously used locally

RECLAMATION

Water Conservation Field Services Program

Eligible Applicants

- States, Indian Tribes, Irrigation Districts, Water Districts, Other organizations with water and power delivery authority

Cost Share

- 50% non-Federal cost-share requirement

Water Management Planning

- Up to \$100,000 Federal Funding
- Completed within 2 years

System Optimization Review

- Up to \$100,000 Federal Funding
- Completed within 2 years

Designing Water Management Improvements

- Up to \$100,000 Federal Funding
- Completed within 2 years

Demonstration Projects

- Up to \$100,000 Federal Funding
- Completed within 2 years

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Drought Response Program

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Managing Water in the West

Funding Opportunity Announcement No. BOR-DO-18-F008

WaterSMART Drought Response Program: Drought Resiliency Projects for Fiscal Year 2018



U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

November 2017

RECLAMATION

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Funding Opportunity Announcement No. BOR-DO-18-F007

WaterSMART Drought Response Program: Drought Contingency Planning Grants for Fiscal Year 2018



U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

November 2017

RECLAMATION

Drought Response Program

- **2015 City of Phoenix, AZ**
 - **Drought Resiliency Project - Deer Valley ASR Well Project**
- **2016 City of Gallup, NM**
 - **Drought Contingency Plan**

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Drought Response Program- Program Requirements

Drought Projects

- Projects that build long-term resilience to drought and reduce the need for emergency response actions and provide benefits for fish and wildlife and the environment

Drought Plans

- Develop a drought contingency plan or to update an existing plan

RECLAMATION

Drought Response Program- Program Requirements

Eligible Applicants

- States, Indian Tribes, Irrigation Districts, Water Districts, Other organizations with water and power delivery authority

Cost Share

- 50% non-Federal cost-share required

Drought Projects

- Funding Group I: Up to \$300,000 and completed within 2 years
- Funding Group II: Up to \$750,000 and completed within 3 years

Drought Plans

- Up to \$200,000 per plan
- Completed within 2 years

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Cooperative Watershed Management Program

**Sierra Streams
Institute in north-
central California**

**Flathead Basin
Commission in western
Montana**

**Clark Fork Coalition near
Missoula, Montana**

**Land Trust of the Treasure
Valley in Idaho**

**Blackfoot
Challenge in
western Montana**

**Middle Colorado Watershed
Council in Western Colorado**

**Hood River Soil and Water
Conservation District in
Oregon**

**Rio Grande Restoration,
Inc. in northern New
Mexico**



**Western Slope Conservation
Center in Colorado**

**San Juan Resource Conservation
and Development in Colorado**

**Friends of the Teton River,
Inc. in Idaho**

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Cooperative Watershed Management Grants

- **Phase I**
 - **2016**
 - **Tse Si Ani Chapter: Working Across Tribal Borders**
 - **2018**
 - **Alter Valley Conservation Alliance**
 - **Coconino Plateau Watershed Partnership**
 - **Friends of the Rio de Flag**
 - **Industrial Development Authority of Gila County (Cobre Valley)**
 - **Watershed Management Group**

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Cooperative Watershed Management Grants

- Phase II:
 - 2017
 - Cienega Watershed Partnership received funding to complete streambank and riparian restoration along Cienega Creek and its tributaries in Pima County, Arizona

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Cooperative Watershed Management Program

Phase I

- Establish or enlarge a watershed group

Phase II

- Collaborative watershed projects related to ecological resilience, water quality, and water supply

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Cooperative Watershed Management Program

Eligible Applicants

- Phase I: States, Indian Tribes, Irrigation Districts, Water Districts, Other organizations with water and power delivery authority, Watershed Groups, non-profits
- Phase II: Watershed Groups

Phase I

- Up to \$100,000 federal funding
- Completed within 2 years
- No cost share

Phase II

- Up to \$300,000 federal funding
- Completed within 2 years
- 50% non-Federal cost-share required

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Quantifiable Water Savings

- Canal Lining/Piping
- Municipal Metering
- Irrigation Flow Measurement
- Landscape Irrigation Measures

Energy-Water Nexus

- Renewable energy related to water management and delivery
- Increased energy efficiency

WaterSMART Grants

Water and
Energy
Efficiency
Grants

Increasing Water Supply Reliability

- Water Access and Conveyance System Improvements
- Aquifer Storage and Recovery
- Development of alternative water sources

Improved Water Management

- Modeling
- Decision support tools
- Measurement and Monitoring

Drought Response
Program

Drought
Resiliency
Projects

Small-Scale
Water
Efficiency
Projects

WaterSMART Grants

Small-scale efficiency and water management projects

- Canal Lining/Piping
- Municipal Metering
- Irrigation Flow Measurement.
- Supervisory Control and Data Acquisition (SCADA) and Automation.
- Landscape Irrigation Measures

WaterSMART
Construction
Opportunities

Watershed
Management
Projects

Cooperative
Watershed
Management Program

- Improving Stream Channel Structure and Complexity
- Restoring or Enhancing Floodplains and Riparian Vegetation
- Invasive Species Prevention/Control
- Water Conservation/Management to Improve Ecological Resilience

NEPA Process

- NEPA- National Environmental Policy Act
- All projects funded require NEPA
- Expect NEPA to cost at least 5% of the budget and minimum 3 months to complete. **GET ESTIMATES**



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NEPA Process – 3 Types

- **Categorical Exclusion determination (CATEX) or Categorical Exclusion Checklist (CEC)**
 - Most projects are excluded from a detailed environmental analysis and so a CATEX or CEC is used
- **Environmental Assessment/Finding of No Significant Impact (EA/FONSI)**
- **Environmental Impact Statement (EIS)**

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How do I get a grant?

www.grants.gov

****KEEP APPLYING****

Request for Proposals (RFP)/Request for Application (RFA)/
Funding Opportunity Announcement (FOA)

Give yourself time to write the proposal!

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IMPORTANT

READ THE FOA!!

Read everything in the Funding Opportunity
Announcement and
ask questions if something doesn't make
sense.



RECLAMATION

FOA Table of Contents

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Tips

- Apply for multiple grants, if it is the same project selected for multiple awards, we all talk with each other and the grant opportunity providing the most benefit will be awarded.
- If it is a large project, consider phasing your project and applying for funding in sequential years.
- Don't assume that the Grantor knows you. The committee is made up of people from all over the 17 western states.
- Focus on the Evaluation Criteria.
- Ask for help!

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Tips

- Understand that the 50/50 cost share is non-federal funding, so you could apply for state funding for the same project. The state funding can count as your cost share portion.
- If your application does not get awarded, ask for a debrief to help prepare a better proposal next year.
- Make sure SAM and ASAP registration is current at least two months before due date as it expires each year.
- If it is a multiple year project look at doing NEPA upfront



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Managing Water in the West

Questions?

<http://www.usbr.gov/WaterSMART/>

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