

# RECLAMATION

*Managing Water in the West*

**Title XVI**

**Water Reclamation and Reuse**

**WaterSMART**



U.S. Department of the Interior  
Bureau of Reclamation

# Title XVI

**United States Department of the Interior**

**Bureau of Reclamation: 5 regions for 17 states**

**Mid-Pacific (Sacramento)**

**Pacific Northwest (Boise)**

**Upper Colorado (Salt Lake City)**

**Lower Colorado (Boulder City)**

**Great Plains (Billings)**

**WaterSMART Program**

**Sustain and Manage America's Resources for Tomorrow**

**<http://www.usbr.gov/WaterSMART/title/index.html>**

**Funding Opportunity Announcements (FOAs)**

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# Public Law 102-575, as amended

Reclamation Wastewater and Groundwater Studies (1992)

A program to:

- 1) Investigate and identify opportunities for reclamation and reuse of municipal, industrial, domestic, and agricultural wastewater, and naturally impaired ground and surface waters,
- 2) Design and construct demonstration and permanent facilities to reclaim and reuse wastewater, and
- 3) Conduct research, including desalting, for the reclamation of wastewater and naturally impaired ground and surface waters.

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# Title XVI: Federal Funding for Feasibility Studies

- Federal Cost Share: 50% of the total price
- WaterSMART FOA R14AS00030 ([www.Grants.gov](http://www.Grants.gov)):
  - Group I:
    - Smaller in scope
    - Up to \$150,000
    - 18 months to complete
  - Group II:
    - Larger in scope
    - Up to \$450,000
    - 36 months to complete

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# Title XVI: Federal Funding for Construction

## Federal Cost Share:

Up to the lesser of 25% of the total cost or \$20,000,000, unless directed otherwise by Congress

Only for projects specifically-authorized by Congress

Only for NEPA-compliant activities

WaterSMART FOA R14AS00002 ([www.Grants.gov](http://www.Grants.gov)):

Up to \$4,000,000 per year

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# **Title XVI: Projects and Programs**

## **Potential:**

**Consider treated wastewater as an invested resource ready for reuse**

## **Projects:**

**Small-scale (115 AFY), local issues and solutions, and one sponsoring agency**

## **Programs:**

**Large-scale (3,000 – 40,000 AFY), multiple issues, complex solutions, and multiple sponsoring agencies**

## **WaterSMART FOAs:**

**You must tell your own story**

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# Title XVI: Distinguishing Factors

## *Location*

Upstream or downstream of the Delta

## *Water source*

Impaired water (salinity, natural, industrial)

## *Treatment technologies*

Desalination, biological, mechanical, chemical

## *Discharge*

Ocean outfall, river outfall, spreading ponds

## *Connection to Federal water system*

Direct or indirect

## *Viability of Storage*

Better match supply with demand

## *Value of the water used vs the cost of the water*

Higher-value: agriculture, restoration, industrial offset

Lower-value: medians, parks

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# **Title XVI: Potential Benefits**

**Offsetting potable demand**

**Environmental restoration or mitigation**

**Resiliency to impacts of climate change**

**Increased independence from imported water supplies**

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# Mid-Pacific Region's Contact

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