Title XVI
Water Reclamation and Reuse
WaterSMART
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
Funding Opportunity Announcements (FOAs)
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.
Title XVI: Federal Funding for Feasibility Studies

- Federal Cost Share: 50% of the total price

  - 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
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

Up to $4,000,000 per year
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
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
Title XVI: Potential Benefits

- Offsetting potable demand
- Environmental restoration or mitigation
- Resiliency to impacts of climate change
- Increased independence from imported water supplies
Mid-Pacific Region’s Contact

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