



Funding Water and Wastewater Infrastructure Projects

**Water Infrastructure Finance
Authority of Arizona**

WIFA

Presentation Agenda

- About WIFA
- Overview of Assistance Programs
- Green Project Opportunities
- Rural Water Infrastructure Committee



Water Infrastructure Finance Authority

Maintain and improve water quality in Arizona by providing financial assistance and technical assistance for basic water infrastructure.

**Design, Improvement,
Construction, Acquisition
of
Drinking Water, Wastewater,
Water Reclamation and other
water quality projects**

Project Examples

Traditional Projects

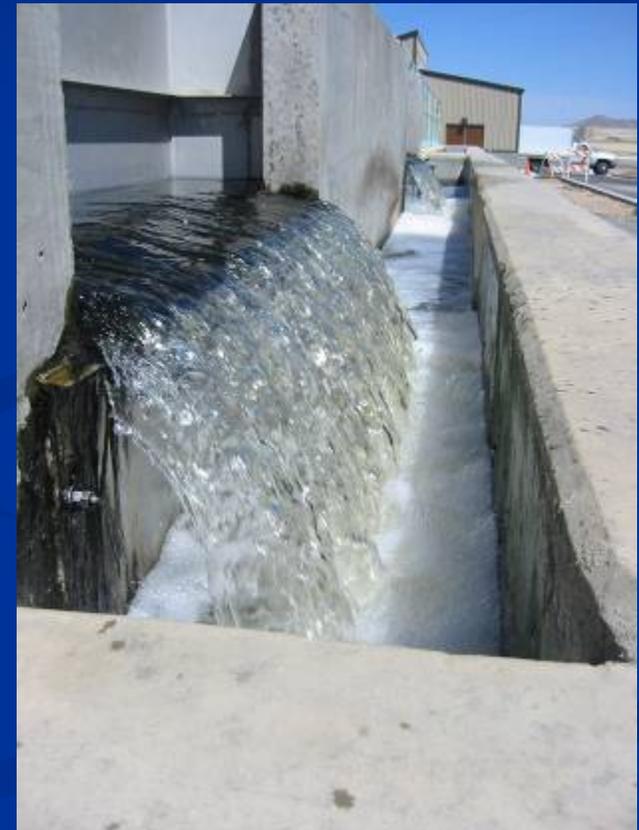
- Rehab/replacement of water distribution lines
- Arsenic treatment systems
- Wastewater treatment plant upgrades

Green Projects

- Energy audits
- Solar power for water and wastewater facilities
- Water reclamation

What makes WIFA a good funding option?

- Clean Water and Drinking Water Revolving Funds
- AAA credit rating = low-interest financial assistance
- No application fees or closing costs
- Grants and free Technical Assistance Programs



Eligible applicants

■ Drinking Water

- Public water systems owned by political subdivisions (cities, towns, districts and tribal entities) and private ACC-regulated systems

■ Clean Water

- Restricted to various types of political subdivisions, including tribal entities

DW Technical
Assistance

Planning and
Design Grants

Design and
Construction
Loans

Assistance Programs

FREE

ADEQ Capacity Development Program

DW Technical
Assistance

Planning and
Design Grants

Design and
Construction
Loans

Small drinking water
systems ($\leq 10,000$
people) receive:

- System Evaluation
- Operations and Maintenance Package
- Energy Audit

DW Technical Assistance

Planning and Design Grants

Design and Construction Loans

For systems lacking technical staff

- Plan or design an infrastructure project
- Funds typically used to hire engineer or other consultant

DW Technical Assistance

Planning and Design Grants

Design and Construction Loans

- Feasibility Studies
- Rate Studies/Financial Audits
- District formation
- Capital Improvement Plans
- Other planning projects

Planning

- Preliminary Engineering Reports
- Environmental Assessments
- Engineering Plans and Specifications
- Other design projects

Pre-design & Design

Project Construction
(Not eligible for grant funding)

Construction

Planning and Design Grants 2011

2011 Cycle 1

- **March 1, 2010** Applications available
- **April 30, 2010** Applications due
- **June 16, 2010** Award Announcements

Fiscal Year 2011 begins July 1, 2010

Planning and Design Grants 2011

2011 Cycle 2

- **Sept. 1, 2010** Applications available
- **Oct. 30, 2010** Applications due
- **Dec. 15, 2010** Award Announcements

Wastewater funding for Cycle 2 not certain

DW Technical Assistance

Planning and Design Grants

Design and Construction Loans

Loans for Project Design and Construction

- WIFA offers below market interest rates
 - 3.08% average for governmental
 - 4.97% average for non-governmental
- No application fees or closing costs
- Design loans
 - Interest only for 3 years, principal rolled into construction loan

DW Technical Assistance

Planning and Design Grants

Design and Construction Loans

Two-step loan application process

1. Priority List application (online)
2. Project Finance Application based on “readiness to proceed:”
 - Debt authorized
 - Project designed
 - Plans approved
 - Bids solicited

Project Environmental Benefits

Standard

Environmental Benefits

- Protects/improves water quality
- Addresses watershed plan
- Corrects non-compliance
- Protects source water

“New” Green Projects

- Water efficiency
- Energy efficiency

20% of federal funding

Green Projects – Energy

Energy efficiency

- Clean/alternative energy
- Energy efficient retrofits and upgrades to pumps and treatment processes (*need to demonstrate at least a 20% savings in energy*)
- Energy audits

Green Projects - Water

Water efficiency, reuse and conservation

- Water reclamation, recycling, reuse
- Gray water recycling
- Leak detection
- Replacement or rehabilitation of distribution lines to correct water loss
- Water meters, automated meter reading systems

Green Grant Projects 2010

- Energy Audits
- Solar design
- Design projects to increase energy efficiency and reduce water loss

Green Construction Loans

- Automatic meter reading systems
- SCADA systems
- Solar panel installation



Peoria Green Project

- Solar photovoltaic panels at Beardsley Water Reclamation Facility

26% of total power for operations building





Payson Green Projects

- Pipeline repair to reduce water loss
- Hydroelectric design

Rural Water Infrastructure Committee (RWIC)

Need Help Getting Started? RWIC can help.

- Partnership of funding and technical assistance entities
- Addresses water and wastewater infrastructure needs in Arizona's rural communities
- Works directly with communities to determine best funding options
- Provides avenues to obtain training and information

Rural Water Infrastructure Committee (RWIC)

- Water Infrastructure Finance Authority of Arizona (WIFA)
- USDA Rural Development (USDA RD)
- Greater Arizona Development Authority (GADA)
- North American Development Bank (NADBank)
- Border Environment Cooperation Commission (BECC)
- Rural Water Association of Arizona (RWAA)
- Rural Community Assistance Corporation (RCAC)
- Arizona Water & Pollution Control Association (AWPCA)
- U.S Department of the Interior (Bureau of Reclamation)
- Inter-Tribal Council of Arizona (Tribal Water)

Rural Water Infrastructure Committee (RWIC)

<http://rwic.azwifa.gov/>

- Project Information Form
- Project Meetings
- Links to training, resources
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WIFA

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WIFA website

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ADEQ free Technical Assistance

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