

# **Water Infrastructure Finance Authority**

## **2010 Intended Use Plan**



**Arizona Drinking Water State Revolving Fund**

## DWSRF Table of Contents

<b>I. INTRODUCTION.....</b>	<b>1</b>
<b>A. History and Legislation</b>	
<b>B. Financial Status of the Arizona DWSRF</b>	
<b>C. Arizona’s Request</b>	
<b>II. TYPES OF PROJECTS TO BE FUNDED FROM THE VARIOUS DWSRF</b>	
<b>ACCOUNTS .....</b>	<b>2</b>
<b>A. The types of projects for which loan funds from the account for the revolving</b>	
<b>fund are intended include:</b>	
<b>B. Activities intended to be funded from the account for set-aside programs</b>	
<b>include</b>	
<b>III. DWSRF LOAN PROGRAM DESCRIPTION AND GOALS .....</b>	<b>2</b>
<b>A. DWSRF Loan Program General Information</b>	
<b>B. Long-Term Goals</b>	
<b>C. Short-Term Goal</b>	
<b>IV. DWSRF SOURCES &amp; USES .....</b>	<b>5</b>
<b>A. Financial Assistance for Loans</b>	
<b>B. Drinking Water Program</b>	
<b>C. Very Small Systems</b>	
<b>D. Program Administration</b>	
<b>V. CRITERIA AND METHOD FOR DISTRIBUTION OF FUNDS.....</b>	<b>5</b>
<b>A. Priority List (PL)</b>	
<b>B. Priority List Updates</b>	
<b>C. Project Readiness to Proceed</b>	
<b>D. WIFA Loan &amp; Subsidy Rates</b>	
<b>E. Emergency Funding</b>	
<b>F. Binding Commitments</b>	
<b>VI. ASSISTANCE TO PUBLIC WATER SYSTEMS SERVING DISADVANTAGED</b>	
<b>COMMUNITIES.....</b>	<b>7</b>
<b>VII. U.S. ENVIRONMENTAL PROTECTION AGENCY STRATEGIC PLAN GOALS</b>	
<b>AND OBJECTIVES .....</b>	<b>7</b>
<b>VIII. PUBLIC REVIEW AND COMMENT .....</b>	<b>8</b>

### Table of Attachments

<b>Attachment A</b>	<b>2010 Priority List</b>
<b>Attachment B</b>	<b>Fundable Range for Design</b>
<b>Attachment C</b>	<b>Fundable Range for Construction</b>

## **I. INTRODUCTION**

### **A. History and Legislation**

In August 1996 the Safe Drinking Water Act Amendments were passed by congress. This Act authorized the states to establish drinking water revolving funds for community drinking water infrastructure needs for the first time.

Passage of H.B. 2304 by the Arizona Legislature April 22, 1997, transformed the Wastewater Management Authority of Arizona into the Water Infrastructure Finance Authority of Arizona (WIFA). The WIFA was charged with administering the Clean Water State Revolving Fund (CWSRF) for wastewater projects and the new Drinking Water State Revolving fund (DWSRF) for drinking water infrastructure needs. The Board of Directors was expanded from seven to twelve members.

Title 18, Chapter 15 of the Arizona Administrative Code establishes detailed rules for the Water Infrastructure Finance Authority.

The 2010 Intended Use Plan describes how WIFA intends to use available DWSRF funds for the year to meet the objectives of the Safe Drinking Water Act and further the goal of protecting public health.

### **B. Financial Status of the Arizona DWSRF**

Since program inception, this will be the twelfth DWSRF Capitalization Grant from EPA for a total of \$177,589,200.

The WIFA Board of Directors is pleased to release Arizona's Drinking Water State Revolving Fund (DWSRF) Intended Use Plan (IUP) for the 2010 funding cycle. The DWSRF IUP describes WIFA's plan to utilize various sources of funds to finance drinking water infrastructure and support related program activities during the 2010 funding cycle from July 1, 2009 through June 30, 2010.

### **C. Arizona Request**

This Intended Use Plan (IUP) is a required element of the grant application documentation to obtain the FFY 2009 grant award. Arizona herewith submits its IUP for the FFY 2009 funds available to Arizona for the purposes of continuing the development, implementation and administration of the DWSRF program in Arizona. The total available to Arizona from EPA's FFY 2008 allotment is \$23,118,000. This allotment will be matched by the 20% state match requirement of \$4,623,600 from WIFA bond proceeds.

## TYPES OF PROJECTS TO BE FUNDED FROM THE VARIOUS DWSRF ACCOUNTS

The types of projects for which loan funds from the account for the revolving fund are intended include:

1. The construction/upgrading of water treatment facilities;
2. Water efficiency, energy efficiency, water conservation, green infrastructure or other environmentally innovative activities;
3. Supplemental water source interconnect;
4. Arsenic treatment to meet public health standards and to protect public health;
5. Consolidation and interconnection of public water systems;
6. Planning and engineering associated with eligible projects;
7. Replacement/rehabilitation of transmission lines and storage facilities;
8. New water wells;
9. Water system expansion;
10. Other projects necessary to address compliance/enforcement or security issues.

### **A. Activities intended to be funded from the account for set-aside programs include:**

1. Administration of the DWSRF program from the 4% set-aside;
2. ADEQ banking \$500,000 of the 10% set-aside to offset potential future year funding needs.

## **II. DWSRF LOAN PROGRAM DESCRIPTION & GOALS**

### **A. DWSRF Loan Program General Information**

The Arizona DWSRF Loan Program funds publicly- and privately-owned community water systems and non-profit non-community water systems. Eligible projects include installation and replacement of failing treatment facilities, eligible storage facilities and transmission and distribution systems. Projects to consolidate water systems may also be eligible. Loans made under the program currently have interest rates of less than 4 percent (except in the case of a privately owned facility). Loan repayments to the State will provide a continuing source of infrastructure financing into the future. The program also places an emphasis on small and disadvantaged communities and on programs that emphasize prevention and sustainability as tools for ensuring safe drinking water.

**Financial Terms of Loans for Public Water System Projects:**

1. Subject to the limitation in paragraph 2 of this section, all loans for the financing of projects, will be for a term not to exceed 20 years from loan closing date, except that under some conditions, loans to disadvantaged communities for financing projects may be made for a period of up to 30 years from loan closing date;
2. Loan terms are not to exceed the useful life of the project;
3. Terms of financial assistance to public water systems serving disadvantaged communities are addressed in Section VI;
4. Repayment of loan principal must begin within 12 months of project completion based on the construction schedule available at the loan closing date or actual completion date or three years from the date of the initial principal advance, whichever is earlier;
5. Loans are to be made on a cost reimbursement basis;
6. Leveraging: The decision to leverage will be based on demand on the loan fund for projects to address health concerns, market conditions and long term impact to the fund;
7. WIFA has not implemented forgivable principal because WIFA is a leveraged program;
8. The Controller will allocate income from the Standard Combined Interest and Fee rate (CIFR) as either fee income or interest income in accordance with the table located on page 4.

**Combined Interest and Fee Rate (CIFR)**

<b>Financial Structure</b>	<b>CIFA</b>	<b>Portion of CIFR Allocated as Fees</b>	<b>Portion of CIFR Allocated as Interest</b>
Governmental Loan	*Set in accordance with Section 1 of this Procedure	1.5%	Remainder of CIFR
Non-Governmental Loan		3.0%	Remainder of CIFR
Linked Deposit Guarantees		Determined on a case by case basis	Determined on a case by case basis

\*Government Loan – Tax Exempt AAA Bond Rate (times) Subsidy Rate

\*Non-Government Loans – Prevailing Prime Rate (times) Subsidy Rate

**DW Fee Income and Uses**

<b>Fee Income</b>	<b>Interest Income</b>	<b>ADEQ</b>	<b>Contractors</b>
\$4,362,910	\$102,794	\$538,000	\$80,000

## **B. Long-Term Goals**

For purposes of this IUP, long term goal is defined as the life of the program. The following are the long-term goals of the loan program:

1. Award WIFA's resources in accordance with the needs of Arizona's citizens;
2. Maintain the fiscal integrity of WIFA's funds and assure continuous enhancement for future generations;
3. Facilitate access to and efficiently deliver financial and technical assistance to Arizona's drinking water facilities;
4. Coordinate with other funding agencies through the Rural Water Infrastructure Committee (RWIC).

## **C. Short-Term Goal**

For the purposes of this IUP, a short-term goal is an activity intended to be initiated and, in some cases, completed within a year.

1. Make drinking water infrastructure loans more accessible and affordable to small communities by making \$66,764,376 in funding available for below market rate interest loans;
2. Making drinking water infrastructure loans more accessible and affordable by using \$2,000,000 of the 2009 DWSRF Grant for 1% interest loans to very small drinking water systems with 1,000 connections or less.

## **III. DWSRF SOURCES & USES**

The SDWA § 1452(g) and 1452(k) allow States to set aside up to 31% of the capitalization grant for the activities described in Section II. B.

The DWSRF account for set-aside programs includes four specific set-aside categories identified as the 2%, 4%, 10%, and 15% set-asides. If all of the set-aside funds within a set-aside activity are not expended, those remaining funds may be redirected to another set-aside activity as long as the maximum allowed for that activity has not been reached for the fiscal year from which the funds were derived.

The sources and uses for the 2010 funding cycle shown in Table 1 are based on the FY 2009 federal budget, WIFA's funding plan as of July 1, 2009. The 2009 DWRF federal budget allocation is \$829,029,000 million, minus the national set-asides the funds available to states is \$814,594,000 of which, Arizona received 2.84% or \$23,118,000.

Table 1: Arizona DWRF Sources & Uses for 2010 Funding Cycle						
	Federal Contributions	State Contributions*	WIFA FEE Revenue	WIFA Loan Accounts	Total	
WIFA Fee Revenue to ADEQ			\$ 538,029		\$538,029	
Financial Assistance Funds				\$ 42,447,496	\$ 42,447,496	
2009 Federal Funds	\$ 23,118,000	\$ 4,623,600			\$ 27,741,600	
Totals	\$ 23,118,000	\$ 4,623,600	\$ 538,029	\$ 42,447,496	\$ 70,727,125	
Financial Assistance Loans	\$ 19,693,280	\$ 4,623,600	\$ -	\$ 42,447,496	\$ 66,764,376	
ADEQ Drinking Water Program	\$ 500,000		\$ 538,029		\$ 1,038,029	
Very Small Water Systems	\$ 2,000,000				\$ 2,000,000	
4% Set-Aside Administration	\$ 924,720	\$ -	\$ -	\$ -	\$ 924,720	
Totals	\$ 23,118,000	\$ 4,623,600	\$ 538,029	\$ 42,447,496	\$ 70,727,125	

\*State Contributions WIFA Bond Proceeds

**A. Financial Assistance for Loans: \$66,764,376**

Eligible projects include installation and replacement of failing treatment facilities, eligible storage facilities and transmission and distribution systems. Projects to consolidate water systems may also be eligible (economic recovery funds not available for consolidation).

**B. Drinking Water Program: (WIFA Revenues& 10% Set-Aside) \$1,038,029**

WIFA revenues will fund \$538,029 and the Drinking Water program will bank \$500,000 of the 10% set-aside to offset potential future year funding needs.

The Drinking Water program is federally mandated to ensure safe drinking water supplies for the public. Staff reviews water system construction plans, conducts compliance inspections on drinking water systems, reviews water quality monitoring data, initiates enforcement actions in response to continued or significant noncompliance, and conducts outreach to educate stakeholders on regulatory requirements. The program also evaluates source waters to ascertain their susceptibility to contamination, promotes voluntary community programs aimed at protecting aquifers for drinking water use, and administers the monitoring assistance program to assist public water systems in complying with monitoring requirements under the federal safe drinking water act.

**C. Very Small Water Systems 1% Interest Loans: \$2,000,000**

WIFA Board has directed staff to dedicate \$2 million for very small drinking water systems, defined as serving less than 3,300 customers with less than 1,000 connections and to provide 20 year loans to these systems at a rate of 1% interest.

Utilize WIFA’s standard review and ranking processes. As a project that is on the 2010 Master Priority List becomes ready to proceed with a loan, if it is identified as a very small system, it will be awarded a 1% interest rate until the \$2 million in loss is identified.

Private	$3.25 + 2 \times \text{subsidy rate (75\%)} = 3.94 - 1 = 3.94$ % interest rate loss over 20 years
Governmental	$4.50 \times \text{subsidy rate (75\%)} = 3.38 - 1 = 2.38$ % interest rate loss over 20 years

**D. Program Administration (4% Set-aside) \$924,720**

This set-aside will be used to pay salaries and associated expenses of programs personnel devoting time to the administration of the funds as well as the necessary ancillary services performed by other agencies. These funds will also be used to procure equipment and training necessary for the adequate performance of staff. Expenses for DWSRF-related public meetings, workshops and conferences will also be paid for out of this set-aside. Funds not used immediately will be revised for use in future years.

**V. CRITERIA AND METHOD FOR DISTRIBUTION OF FUNDS**

**A. Priority List (PL) Exhibit A** – On an annual basis, following a statewide solicitation for projects, WIFA develops a statewide priority list of water projects. For funding cycle 2009 WIFA receive 39 project priority list applications totaling \$158,344,467.

**Fundable Range for Design, Exhibit B** – Includes the highest ranking applicants ready to receive design assistance during the funding cycle.

**Fundable Range for Construction, Exhibit C** – Includes the highest ranking applicants ready to receive construction assistance.

**B. Priority List Updates** The WIFA Board of Directors may update the DWRF-PL by adding or deleting projects or adjusting the fundable ranges for design or construction projects. The decision to update the DWRF-PL may be based on a projects’ readiness to proceed, refined project cost estimates, availability of other funding sources or other new information affecting the expansion or contraction of the PL and fundable ranges. The WIFA Board of Directors will adopt the updated DWRF PL at a public meeting and the updates will be posted on the WIFA web site as per R18-15-305, R18-15-306, R18-15-307 and R18-15-308. All projects must meet the applicable requirements under the Safe Drinking Water Act, 42 U.S.C. § 300f to 300j-25.

**C. Project Readiness to Proceed: WIFA considers a project “ready to proceed” when the following criteria are met:**

1. Approved debt authorization has been received by WIFA
2. Plans and specifications are received by WIFA
3. All local and state permits are issued
4. Construction bid/bids awarded

**D. WIFA Loan & Subsidy Rates** – The WIFA Board of Directors has established a target interest rate ranging between 70% and 95% of tax-exempt AAA Bond Rate for government entities and 70% to 95% of the prevailing prime rate for non-government entities. The subsidy rate is based on the local fiscal capacity which is measured by the area’s median household income, user rates and charges, the



community's outstanding and proposed debt and cost effectiveness of project. Interest rates/subsidies on individual loans will be set pursuant to the criteria below:

- ✓ Priority of the project;
- ✓ Local fiscal capacity of the area served by the system requesting assistance; and,
- ✓ Lending capacity of Arizona's DWRP.

**E. Emergency Funding**

WIFA can provide up to \$250,000 for emergency funding under the criteria set forth in Policy 1.019 below:

**Eligible Applicants**

Cities  
Towns  
Tribes  
Counties  
Municipal Improvement Districts

**Required Conditions**

- The term of the loan does not exceed one year.
- The dollar amount of the loan does not exceed two hundred fifty thousand dollars (\$250,000) per borrower, per emergency event.
- The purpose of the loan is to provide assistance for designing, redesigning, engineering, reengineering, constructing or reconstructing water or wastewater systems that have failed as the result of a disaster, a natural disaster or a catastrophic event.
- The disaster, natural disaster or catastrophic event is memorialized in a declaration of emergency by the governor or the federal emergency management agency.

- F. Binding Commitments** – If the WIFA Board of Directors approves an applicant's financial assistance request, WIFA staff will prepare and circulate financial assistance (loan) documents to evidence the binding commitment in accordance with applicable federal and state requirements.

**VI. ASSISTANCE TO PUBLIC WATER SYSTEMS SERVING DISADVANTAGED COMMUNITIES**

**A. Disadvantaged Community WIFA Policy 1.012:**

The WIFA Board may designate an entity a "Disadvantaged Community" if the entity fails to meet the 1.2 debt service coverage, and

- The applicant's project is above the 50 percentile on the DWRP or the CWRF Project Priority List, and
- WIFA awarded the applicant 50 or more Local Fiscal Capacity points on the DWRP or the CWRF Project Priority List, or
- The Community is a designated "Colonia" Community through the federal government.
- WIFA may reduce the combined interest and fee rate (CIFR) and/or extend the loan term up to 30 years for a "Disadvantaged Community."

## **VII. U.S. ENVIRONMENTAL PROTECTION AGENCY STRATEGIC PLAN GOALS AND OBJECTIVES**

The Arizona DWSRF program supports the National USEPA Strategic Plan Goal 2 (Clean and Safe Water), Objective 1 (Protect Human Health), Sub-objective 1 (Water safe to Drink). Arizona established and is managing the revolving loan fund to make low cost loans and other types of assistance to water systems to finance the cost of infrastructure projects to achieve or maintain compliance with Safe Drinking Water Act requirements.

## **VIII. Public Review and Comment**

Public review and written comment period will be conducted from June 9, 2009 thru June 22, 2009.

WIFA will solicit public review and comment on the draft 2009 DWSRF IUP and PL according to the following schedule:

June 9, 2009	Distribution and Web posting of the draft DWRF IUP and PL to all interested parties.
June 22, 2009	Public Hearing – 1110 West Washington, Room 130, Phoenix, Arizona 85007 from 1:00 P.M. to 2:00 P.M.
June 22, 2009	Deadline for public comments on the draft DWSRF IUP and PL is 5:00 P.M.
June 25, 2009	The WIFA Board of Directors adopts the draft DWSRF IUP and PL.
July 1, 2009	Final DWSRF IUP and PL become effective. Distribution and Web posting of final DWSRF IUP and PL.

**Exhibit A:**

**2010 Funding Cycle Priority List**

**Arizona's Drinking Water Revolving Fund**

**Arizona's Drinking Water Revolving Fund  
2010 Funding Cycle - Priority List for Drinking Water Revolving Fund  
Prepared Date: 6/9/2009**

Rank	Applicant	Population	Project Title	Project #	Amount Requested	Subsidy Rate Index
1	Thunderbird Farms DWID	1,550	Thunderbird Farms DWID Arsenic Removal and Additional Storage Project	039 2010	\$3,801,036.00	70%
2	Holiday Hills DWID	90	Holiday Hills Improvement Project	027 2010	\$200,000.00	70%
3	Valley Utilities Water Co. Inc.	5,000	Arsenic Treatment Facilities	001 2010	\$250,000.00	70%
4	Joseph City Utilities	1,700	Joseph City Utilities Reservoir	011 2010	\$440,000.00	70%
5	Sunland Water Company	271	Add back up well to system to bring system into arsenic compliance	025 2010	\$400,000.00	75%
6	Surprise, City of	40,420	Rancho Gabriela Water Supply Facility Arsenic Treatment System	022 2010	\$4,000,000.00	70%
7	Surprise, City of	40,420	Ashton Ranch Water Supply Facility Arsenic Treatment System	021 2010	\$4,000,000.00	70%
8	Shepard Water Company, Inc.	222	Arsenic Remediation Treatment Plant	008 2010	\$112,100.00	75%
9	Mammoth, Town of	1,762	Water Systems Improvements	010 2010	\$35,000.00	70%
10	Surprise, City of	40,420	Roseview Water Supply Facility Arsenic Treatment System	019 2010	\$2,200,000.00	75%
11	Surprise, City of	40,420	Asante/Desert Oasis Water Supply Facility Arsenic Treatment System	017 2010	\$3,000,000.00	75%
12	Sulger Water Co. #2	50	Sulger Water Co. #2	026 2010	\$80,000.00	75%
13	Lake Havasu City, City of	56,348	WWSE - Water Service Line Replacement / Water Main Replacement	040 2010	\$6,018,345.00	75%
14	Indiada Water Company	1,958	Indiada Water Company System Consolidation & upgrades	005 2010	\$360,707.00	75%
15	Marana, Town of	12,000	Tangerine Replacement Intercharge Water Project	016 2010	\$15,000,000.00	80%
16	Mt. Lemmon Water District	350	Middle Sabino 6" Main Line and Refinance \$1,050,000.00 existing loan	007 2010	\$250,000.00	70%
17	Yuma, City of	103,000	40th Street Water Transmission Line, Phase II	041 2010	\$5,200,000.00	70%
18	Congress DWID	1,850	Congress DWID Capital Improvement	029 2010	\$2,500,000.00	70%
19	Marana, Town of	12,000	Hartman To Cortaro Ranch Interconnect	018 2010	\$500,000.00	80%
20	Seven Ranches DWID	80	Water Tank, pump and main additions	038 2010	\$482,340.00	75%
21	Clear Springs Utility Company	1,180	Clear Springs Utility Consolidation & Upgrades	003 2010	\$1,912,472.00	75%
22	East Slope Water Co.	2,877	East Slope Water - Consolidation & Upgrades	004 2010	\$5,416,973.00	80%
23	Antelope Run Water Company	585	Antelope Run Consolidation & Upgrades	002 2010	\$1,093,208.00	80%
24	Yuma, City of	103,000	24th Street Water Storage Tanks & Booster Pump Station	042 2010	\$18,000,000.00	75%
25	Yuma, City of	103,000	16th Street Tanks Interior Recoating	043 2010	\$1,550,000.00	75%
26	Yuma, City of	103,000	Main Street Water Treatment Plant Rehabilitation Project	045 2010	\$10,250,000.00	75%
27	Marana, Town of	12,000	Purchase of Tucson Water within Town of Marana	014 2010	\$40,000,000.00	85%
28	Phoenix, City of	1,631,287	Drilling of Aquifer Storage and Recovery Well #300	035 2010	\$4,000,000.00	80%
29	West Village Water Company	112	Well and Distribution System Improvement	030 2010	\$843,944.00	80%
30	Marana, Town of	12,000	Camino De Manana Waterline Project	012 2010	\$3,400,000.00	80%
31	Marana, Town of	12,000	Silverbell Well	020 2010	\$1,000,000.00	80%
32	Southland Water Company	1,958	Southland Water Company system upgrades	006 2010	\$1,728,342.00	85%
33	Phoenix, City of	1,631,287	Citywide Automatic Meter Reading Installation	034 2010	\$8,000,000.00	85%
34	Sunrise Water Co.	4,200	Drill And Equipment Well	024 2010	\$800,000.00	80%
35	Marana, Town of	12,000	Twin Peaks/Bluebonnet Waterline	013 2010	\$6,300,000.00	85%
36	Dateland Water LLC	75	Water Quality Improvement	009 2010	\$60,000.00	85%
37	Phoenix, City of	1,631,287	Rehabilitation of 10 Steel Tanks	037 2010	\$2,600,000.00	85%
38	Phoenix, City of	1,631,287	Water Main Replacement Hope VI Project Area	036 2010	\$2,000,000.00	85%
39	Phoenix, City of	1,631,287	Reservoir Optimization: Solar Powered Mixers	032 2010	\$560,000.00	85%

**Total:**

**\$158,344,467.00**

**Exhibit B:**

**2010 Funding Cycle Fundable Range for Design**

**Arizona's Drinking Water Revolving Fund**

**Arizona's Drinking Water Revolving Fund**  
**2010 Funding Cycle - Fundable Range for Design Financial Assistance**  
**Prepared Date: 6/9/2009**

<b>Fundable Range Rank</b>	<b>MPL Rank</b>	<b>Applicant</b>	<b>Population</b>	<b>Project Title</b>	<b>Project #</b>	<b>Amount Requested</b>	<b>Subsidy Rate Index</b>
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No borrowers requested design assistance for their projects as of the date of this report.

**Exhibit C:**

**2010 Funding Cycle Fundable Range for Construction**

**Arizona's Drinking Water Revolving Fund**

**Arizona's Drinking Water Revolving Fund**  
**2010 Funding Cycle - Fundable Range for Construction Financial Assistance**  
**Prepared Date: 6/9/2009**

<b>Fundable Range Rank</b>	<b>MPL Rank</b>	<b>Applicant</b>	<b>Population</b>	<b>Project Title</b>	<b>Project #</b>	<b>Amount Requested</b>	<b>Subsidy Rate Index</b>
1	1	Thunderbird Farms DWID	1,550	Thunderbird Farms DWID Arsenic Removal and Additional Storage Project	039 2010	\$3,801,036.00	70%
2	4	Joseph City Utilities	1,700	Joseph City Utilities Reservoir	011 2010	\$440,000.00	70%
3	3	Valley Utilities Water Co. Inc.	5,000	Arsenic Treatment Facilities	001 2010	\$250,000.00	70%
4	11	Surprise, City of	40,420	Asante/Desert Oasis Water Supply Facility Arsenic Treatment System	017 2010	\$3,000,000.00	75%
5	8	Shepard Water Company, Inc.	222	Arsenic Remediation Treatment Plant	008 2010	\$112,100.00	75%
6	7	Surprise, City of	40,420	Ashton Ranch Water Supply Facility Arsenic Treatment System	021 2010	\$4,000,000.00	70%
7	6	Surprise, City of	40,420	Rancho Gabriela Water Supply Facility Arsenic Treatment System	022 2010	\$4,000,000.00	70%
8	10	Surprise, City of	40,420	Roseview Water Supply Facility Arsenic Treatment System	019 2010	\$2,200,000.00	75%
9	16	Mt. Lemmon Water District	350	Middle Sabino 6" Main Line and Refinance \$1,050,000.00 existing loan	007 2010	\$250,000.00	70%
10	13	Lake Havasu City, City of	56,348	WWSE - Water Service Line Replacement / Water Main Replacement	040 2010	\$6,018,345.00	75%
11	18	Congress DWID	1,850	Congress DWID Capital Improvement	029 2010	\$2,500,000.00	70%
12	28	Phoenix, City of	1,631,287	Drilling of Aquifer Storage and Recovery Well #300	035 2010	\$4,000,000.00	80%
13	33	Phoenix, City of	1,631,287	Citywide Automatic Meter Reading Installation	034 2010	\$8,000,000.00	85%
14	38	Phoenix, City of	1,631,287	Water Main Replacement Hope VI Project Area	036 2010	\$2,000,000.00	85%
15	39	Phoenix, City of	1,631,287	Reservoir Optimization: Solar Powered Mixers	032 2010	\$560,000.00	85%
16	37	Phoenix, City of	1,631,287	Rehabilitation of 10 Steel Tanks	037 2010	\$2,600,000.00	85%

**Total:**

**\$43,731,481.00**