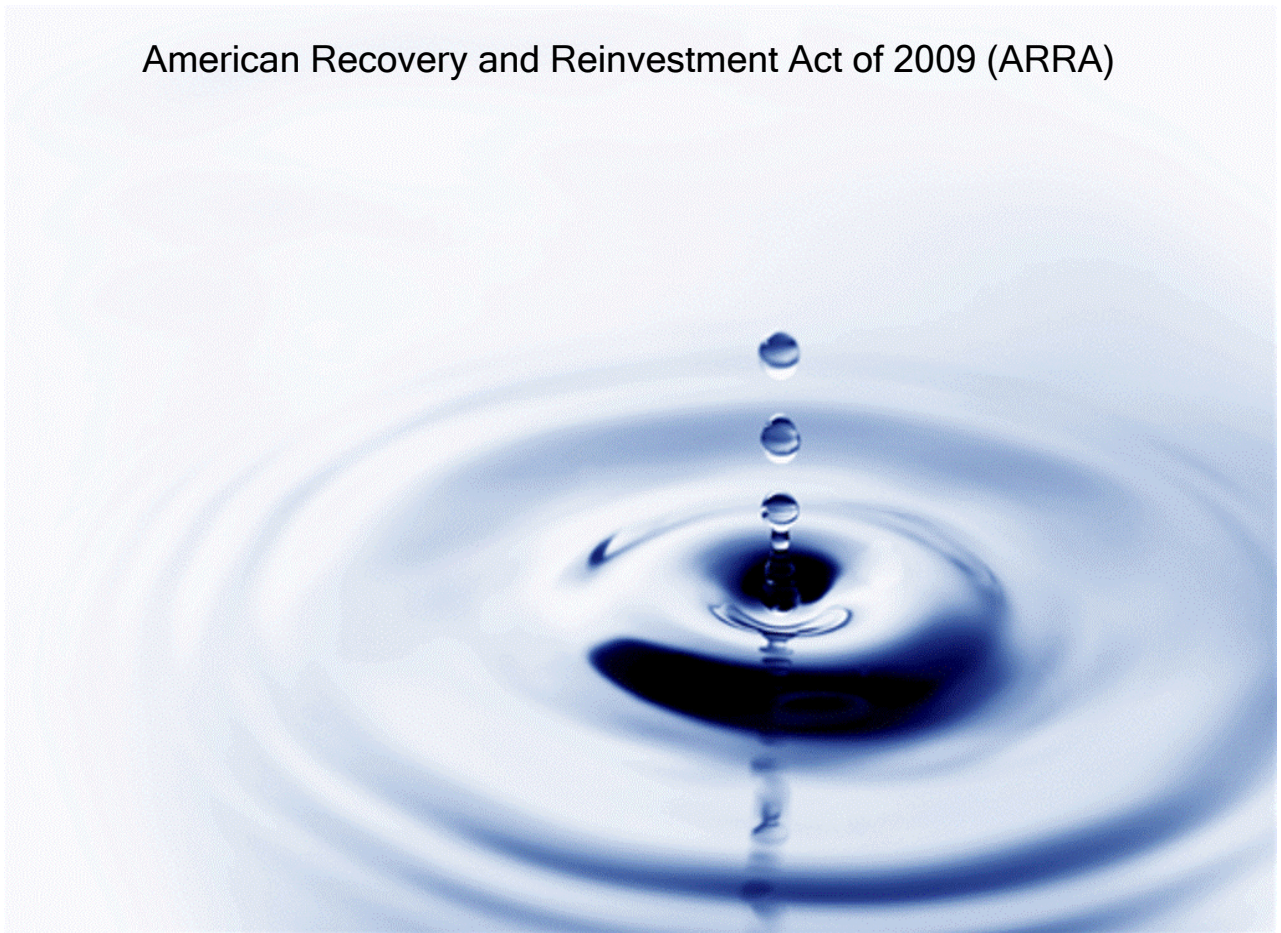


Water Infrastructure Finance Authority of Arizona

**TECHNICAL ASSISTANCE
INTENDED USE PLAN
Funding Cycle 2010**

American Recovery and Reinvestment Act of 2009 (ARRA)



**Water Infrastructure
Finance Authority of Arizona**

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Section 1: Introduction

The Water Infrastructure Finance Authority of Arizona (WIFA) is pleased to present the Technical Assistance (TA) Intended Use Plan (IUP) for Funding Cycle 2010. The TA IUP describes WIFA's plan to utilize various sources of funds to support three types of technical assistance during Technical Assistance Funding Cycle 2010:

- Project Technical Assistance – WIFA will assist an individual drinking water or wastewater system to conceive, plan, design, and develop infrastructure.
- Policy Technical Assistance – WIFA will develop and distribute guidance or perform related activities to benefit a wide range of drinking water and wastewater systems
- Operational Technical Assistance – The Arizona Department of Environmental Quality (ADEQ) will assist individual drinking water and wastewater systems to improve day-to-day operations.

Section 2: Funding Sources & Uses

WIFA intends to allocate \$1,450,000 to technical assistance during Technical Assistance Funding Cycle 2010. As shown in Table 1 below, WIFA intends to allocate \$700,000 for drinking water technical assistance and \$300,000 for clean water technical assistance.

Table 1: Funding Sources and Uses

	Clean Water Assistance	Drinking Water Assistance	Total
Funding Sources			
ARRA Source Water Protection (10%)		\$75,000	\$75,000
ARRA Capacity Development (2%)		\$800,000	\$800,000
ARRA Grant Funds	\$300,000	\$200,000	\$500,000
Fees	\$75,000		\$75,000
Total Sources	\$375,000	\$1,075,000	\$1,450,000
Funding Uses			
Project Technical Assistance	\$150,000	\$500,000	\$650,000
Green Infrastructure	\$150,000	\$200,000	\$350,000
Policy Technical Assistance			
Publications			\$0
Operational Technical Assistance			
Border	\$75,000	\$75,000	\$150,000
ADEQ		\$300,000	\$300,000
Total Uses	\$375,000	\$1,075,000	\$1,450,000

WIFA will award **Project Technical Assistance** to individual drinking water and wastewater systems in accordance with criteria summarized in Section 3. During Funding Cycle 2010, WIFA intends to support a variety of **Policy Technical Assistance** studies, surveys, and related activities for the benefit of a wide range of water and wastewater systems as summarized in Section 4. The

ADEQ will use funds to provide **Operational Technical Assistance** to drinking water and wastewater systems summarized in Section 5.

Section 3: Project Technical Assistance Awards

Eligible Systems

WIFA solicits Project Technical Assistance applications from Arizona's political subdivisions, public water systems and Indian communities as designated by the federal Clean Water and Drinking Water Acts. In accordance with criteria developed by stakeholders, WIFA awards Project Technical Assistance to individual drinking water and wastewater systems in accordance with the priority lists and fundable ranges described in this section and in the exhibits.

Project Technical Assistance Priority Scoring Criteria

WIFA ranks requests on the priority lists by priority score using the following formula:

$$\text{Priority Score} = \text{Existing Conditions} + \text{Project Benefits} + \text{Local Fiscal Capacity}.$$

Section 4: Policy Technical Assistance

Throughout the Funding Cycle and as circumstances require WIFA may fund Policy Technical Assistance projects. The Board will act to add Policy Technical Assistance at a Public Meeting of the Board.

Section 5: Operational Technical Assistance

The ADEQ Water Quality Division, Drinking Water Section, offers the Capacity Development Technical Assistance Program to regulated Public Water Systems to provide system evaluations and on-site technical assistance at no cost to the system owner. The assistance is targeted to maintain and improve technical, managerial, financial, security and energy usage components of drinking water facility operations.

Eligible systems may request a System Evaluation, an Energy Audit, or an Operations & Maintenance Package (Includes Site Sampling Plan, System Schematic, Emergency Operation Plan, Operations and Maintenance Plan and Vulnerability Assessment) that will be conducted by third-party state-approved contractors.

In addition, ADEQ will fund a Border Infrastructure Engineer with some Operational Technical Assistance funds. The Border Infrastructure Engineer will be available to provide value engineering services to WIFA projects as well as provide Arizona border communities with technical assistance and support to address water and wastewater infrastructure deficiencies. If the funding is not used for Operational Technical Assistance during the Funding Cycle, WIFA will reallocate the funding to Project or Policy Technical Assistance.

**Priority Lists for
Clean Water Technical Assistance
2010 Funding Cycle**

Exhibit A
2010 Funding Cycle -- Priority List for Clean Water Project Technical Assistance
June 25, 2009

WIFA generates the Priority List to compare and prioritize applicant requests for assistance based on priority criteria approved by WIFA's Board of Directors. To determine if an applicant will receive an award from WIFA, see Exhibit B.

Rank	Applicant	Population	Project Title	Project #	Estimated Cost
1	Miami, Town of	2,200	Town of Miami Wastewater System PER & ER Development	010 2010	\$40,000.00
2	Mogollon Domestic Wastewater Improvement District	200	Mogollon DWID Pump Station & Highway Crossing Engineer/Design	028 2010	\$70,000.00
3	Tonto Village Domestic Water Improvement District	150	Source Water Protection Plan and Wastewater Needs Assessment	012 2010	\$31,500.00
4	Adonis Mobile Home Association	600	District Formation	011 2010	\$15,000.00
5	Alpine Sanitary District	600	Alpine Wetlands and Wildlife Habitat	009 2010	\$35,000.00
6	Somerton, City of	11,200	Somerton Biodegeneration Facility	013 2010	\$35,000.00
7	Chino Valley, Town of	3,500	Center Street Sewer Project	017 2010	\$71,000.00
8	Payson, Town of	16,000	Green Valley Park Bank Stabilization and Stormwater Study	007 2010	\$52,500.00
9	Pinal County Housing Division	200	Eleven Mile Corner Wastewater Plant	015 2010	\$35,000.00
10	Prescott, City of	43,217	City of Prescott Bio-Retention/Drywell Systems	026 2010	\$75,150.00
11	Queen Creek, Town of	21,000	Town of Queen Creek Reuse & Recharge Line	001 2010	\$189,600.00
12	Patagonia, Town of	881	Wastewater Treatment Energy Reduction Study	029 2010	\$35,000.00
13	Chandler, City of	251,788	Reverse Osmosis Recovery Optimization	022 2010	\$70,511.00

14	Sedona, City of	18,000	Stormwater monitoring program for e-coli	005 2010	\$34,500.00
15	Yuma, City of	75,806	Figueroa Ave. WPCF Energy Audit	014 2010	\$35,000.00
16	Prescott Valley, Town of	37,000	Solar Powered Wastewater Treatment Plant	016 2010	\$40,000.00
17	Glendale, City of	248,854	Arrowhead Ranch WRF Efficient UV Lamp System	018 2010	\$232,000.00
18	Pima, Town of	2,000	Town of Pima Wastewater Treatment Plant Planning Study	008 2010	\$35,000.00
19	El Mirage, City of	38,000	Reclaimed Booster Pump Station & Phase I Reclaimed Water Distribution System	024 2010	\$109,940.00
20	El Mirage, City of	38,000	WRF Facility Upgrade	023 2010	\$76,800.00
21	Chandler, City of	251,788	Sewer Line Sizing and Routing Study	027 2010	\$70,000.00
22	Glendale, City of	248,854	Arrowhead Ranch WRF Blower System Evaluation	019 2010	\$35,000.00
23	Sahuarita, Town of	10,113	Water Reuse Education	020 2010	\$73,518.90
24	El Mirage, City of	38,000	Five-Year Financial Plan for Water and Sewer Rates	025 2010	\$45,000.00
25	El Mirage, City of	38,000	El Mirage WWTP Energy Optimization Study	021 2010	\$35,000.00
26	Sedona, City of	18,000	Wastewater Reclamation Plant Energy efficiency and low impact analysis	006 2010	\$27,500.00

Total:

\$1,604,519.90

The green highlighted projects represent 'Green' or 'Sustainable' Infrastructure projects.

Exhibit B
2010 Funding Cycle -- Fundable Range for Clean Water Project Technical Assistance
June 25, 2009

WIFA generates and periodically updates the Fundable Range from the Priority List -- See Exhibit A. The Fundable Range can change based on local readiness and willingness to proceed. Projects not appearing in the Fundable Range qualify for WIFA Loans.

Rank	Applicant	Project Title	Project #	Estimated Cost	Award	Local Match
1	Miami, Town of	Town of Miami Wastewater System PER & ER Development	010 2010	\$40,000.00	\$26,700.00	\$13,300.00
2	Mogollon Domestic Wastewater Improvement District	Mogollon DWID Pump Station & Highway Crossing Engineer/Design	028 2010	\$70,000.00	\$10,000.00	\$60,000.00
3	Tonto Village Domestic Water Improvement District	Source Water Protection Plan and Wastewater Needs Assessment	012 2010	\$31,500.00	\$10,500.00	\$21,000.00
4	Adonis Mobile Home Association	District Formation	011 2010	\$15,000.00	\$10,000.00	\$5,000.00
5	Alpine Sanitary District	Alpine Wetlands and Wildlife Habitat	009 2010	\$35,000.00	\$35,000.00	\$0.00
6	Somerton, City of	Somerton Biodegeneration Facility	013 2010	\$35,000.00	\$35,000.00	\$0.00
7	Chino Valley, Town of	Center Street Sewer Project	017 2010	\$71,000.00	\$20,000.00	\$51,000.00
8	Payson, Town of	Green Valley Park Bank Stabilization and Stormwater Study	007 2010	\$52,500.00	\$35,000.00	\$17,500.00
9	Pinal County Housing Division	Eleven Mile Corner Wastewater Plant	015 2010	\$35,000.00	\$23,300.00	\$11,700.00
10	Prescott, City of	City of Prescott Bio-Retention/Drywell Systems	026 2010	\$75,150.00	\$34,500.00	\$40,650.00
11	Queen Creek, Town of	Town of Queen Creek Reuse & Recharge Line	001 2010	\$189,600.00	\$35,000.00	\$154,600.00
12	Patagonia, Town of	Wastewater Treatment Energy Reduction Study	029 2010	\$35,000.00	\$15,000.00	\$0.00
13	Chandler, City of	Reverse Osmosis Recovery Optimization	022 2010	\$70,511.00	\$10,000.00	\$60,511.00

**Priority Lists for
Drinking Water Technical Assistance
2010 Funding Cycle**

Exhibit C
2010 Funding Cycle -- Priority List for Drinking Water Project Technical Assistance
June 25, 2009

WIFA generates the Priority List to compare and prioritize applicant requests for assistance based on priority criteria approved by WIFA's Board of Directors. To determine if an applicant will receive an award from WIFA, see Exhibit D.

Rank	Applicant	Population	Project Title	Project #	Estimated Cost
1	Ehrenberg Improvement Association	1,288	Backup water source/Ehrenberg Water Department	003 2010	\$35,300.00
2	Douglas, City of	18,207	Source and Service Expansion Feasibility Plan	020 2010	\$78,000.00
3	D S Water Company	250	Distribution System Evaluation	068 2010	\$35,000.00
4	McNeal Water Company	75	Photovoltaic Panel Installation	074 2010	\$9,500.00
5	Rancho Del Conejo Community Water Co-op	800	Preliminary Engineering Report for Wells 1 & 2 Assessments	018 2010	\$53,000.00
6	Mobile Gardens DWID	500	Facility Master Plan for Storage and Booster Pumps	058 2010	\$30,000.00
7	Dateland Public Service Co. Inc.	500	Overall Capacity Building	002 2010	\$35,000.00
8	Why Utilities Company Inc.	250	Energy Audit of Electrical system for operation purposes	025 2010	\$23,000.00
9	Bellemont Water Company	300	First Phase of Deep Well Project	045 2010	\$75,000.00
10	Antelope Peak DWID	203	Distribution System Replacement Project	028 2010	\$34,566.00
11	Cienega Water Company	200	Fluoride Removal Engineering Report	024 2010	\$35,000.00
12	Antelope Run Water Company	585	Antelope Run Water - Consolidation and Upgrades	007 2010	\$122,256.25
13	Mt. Lemmon Water District	350	Preliminary Engineering Study of the Existing Distribution System	054 2010	\$47,500.00
14	Verde Lee Water Co	500	Arsenic Treatment Preliminary Engineering	056 2010	\$30,500.00
15	Water Utility of Northern Scottsdale	225	System & Power Optimization	050 2010	\$70,000.00

16	Mt. Tipton Water Co.Inc.	2,800	New Well	060 2010	\$35,000.00
17	McNeal Water Company	75	ADEQ Emergency Supply Requirement	073 2010	\$9,500.00
18	New Saddleback Vista DWID	117	Arsenic and Uranium Treatment System Project	041 2010	\$27,205.00
19	Village of Orangewood Mobile Home Park	700	Energy Conservation Upgrades for Booster Pumps	040 2010	\$50,000.00
20	Parker Springs Water Company	120	Parker Springs Water Company Technical Assistance Project Application	057 2010	\$25,000.00
21	Avra Water Co-op, Inc.	7,750	Energy Audit/Pumping system assessment & Picture Rocks Booster design	062 2010	\$42,000.00
22	Humboldt Water System, Inc.	800	Humboldt Water System Infrastructure Updates and Renewable Energy Integration	071 2010	\$72,970.00
23	Hacienda Acres Water System	105	Water Master Plan	046 2010	\$87,500.00
24	Apache Trail Mobile Home Park	140	System Pre-Design Project	034 2010	\$75,000.00
25	Casa Grande West Water Company	750	Drinking Water Arsenic Treatment Design and Construction	016 2010	\$47,000.00
26	Pomerane Domestic Water Improvement District	1,000	Pomerene Energy Efficiency Program	006 2010	\$31,000.00
27	Valle Verde Water Company	2,993	Valle Verde Water - System Consolidation & Upgrades	015 2010	\$137,531.50
28	Clear Springs Utility Company	1,180	Clear Springs Utility Consolidation and Upgrades	008 2010	\$35,000.00
29	Orange Grove Water Co.	1,200	Orange Grove Water Co.	004 2010	\$35,000.00
30	Appaloosa Water Company	1,100	Appaloosa Water Company Master Plan	052 2010	\$35,000.00
31	Willow Valley Water Company	4,707	Water Distribution System Renewal Plan	032 2010	\$87,500.00
32	Maricopa Domestic Water Improvement District	822	Southside Distribution System Pressure Augmentation	035 2010	\$35,066.00
33	Chandler Heights Citrus Irrigation District	2,900	CHCID Improvements and Up-Grades	053 2010	\$36,800.00

34	Golden Valley County Improvment District	2,000	Phase V Water Project	019 2010	\$63,520.00
35	Lakewood Water Company	806	Lakewood Water System Upgrades Design	066 2010	\$54,000.00
36	Indiada Water Company	196	Indiada Water - Consolidation & Upgrades	010 2010	\$40,000.00
37	Cave Creek, Town of	7,000	Design preparation for an Integrated SCADA System for the Cave Creek Water System	065 2010	\$39,600.00
38	Graham County Utilities	305	Fort Thomas Pressure Zone	026 2010	\$34,000.00
39	Las Qunitas Serenas Water Co.	4,500	Leak Detection Study, Power Assessment and integration of solar power to operate pumping facility	072 2010	\$30,000.00
40	Southland Water Company	1,958	Southland Water Co. system upgrades	013 2010	\$193,285.00
41	East Slope Water Co.	2,877	East Slope Water - Consolidation & Upgrades	009 2010	\$605,794.25
42	Clarkdale, Town of	4,026	Solar, SCADA, & Control System Upgrades	022 2010	\$36,200.00
43	Sonoita Valley Water Company	327	Sonoita Valley Water Co. - System expansion and Upgrades	011 2010	\$73,392.50
44	Sulger Water Co. #2 /Valerie Betts	50	Storage Tank Design	030 2010	\$20,000.00
45	Tierra Linda Homeowners Association	140	Tierra Linda Well No. 2 Permitting and Design, Booster motor upgrades	067 2010	\$59,000.00
46	Keaton Development Co.	945	Water Meter Replacements, New Isolation Valve Installation and Well No. 1 site design	069 2010	\$70,000.00
47	Diamond Valley Water District	900	Planning and Designing a Sustainable Efficient Water Distribution System	027 2010	\$65,000.00
48	Valley Pioneers Water Co., Inc	5,765	Water System Master Plan	043 2010	\$75,000.00
49	Ray Water Company	5,000	Well #6B	014 2010	\$75,400.00
50	Valencia Water Company	17,079	System & Power Optimization	048 2010	\$70,000.00
51	Water Utility of Greater Tonopah	1,068	System & Power Optimization	049 2010	\$70,000.00

52	Water Utility of Greater Tonopah	1,068	CIS & Cityworks Integration	042 2010	\$70,000.00
53	Chandler, City of	251,788	Filter Media Water Quality Study	063 2010	\$70,000.00
54	Chandler, City of	251,788	Energy Recovery Hydroelectric	031 2010	\$50,000.00
55	Flagstaff, City of	64,400	Sustainable Energy Feasibility Study	012 2010	\$35,000.00
56	Nogales, City of	22,000	Energy Audit & Leak Detection Program	061 2010	\$47,000.00
57	Glendale, City of	248,854	Water Pollution and Distribution Energy Audit	033 2010	\$35,000.00
58	Glendale, City of	248,854	Well 43 Variable Frequency Drive (VFD) Installation	029 2010	\$45,000.00
59	Double R Water Distributors, Inc.	40	SCADA - Energy Efficiency	064 2010	\$7,700.00
60	Lake Havasu City, City	55,429	Water System Leak Detection Program	055 2010	\$35,000.00
61	Shonto Community Development Corporation, Inc.	2,722	Shonto Community Design & Planning Technical Assistance Project	070 2010	\$35,000.00
62	Santa Cruz Water Company	46,485	System & Power Optimization	039 2010	\$70,000.00
63	Green Valley DWID	8,759	Demetrie Wash Well Site Pilot Hole	001 2010	\$125,000.00
64	Oak Creek Water Co., No. 1, Dick Sitts	1,440	Oak Creek Potable Water Existing System Upgrade Design	059 2010	\$63,845.00
65	CP Water Company	81	Public Water System Application	037 2010	\$87,500.00
66	Pine/Strawberry Water Improvement District	6,500	Water Supply Augmentation Plan - Optimal Deep Aquifer Well Locations	017 2010	\$80,000.00
67	Cochise School District	100	Cochise School District water system	023 2010	\$0.00
68	Picacho Cove Water Company	0	Water Resources Master Plan	038 2010	\$87,500.00

Total:

\$4,235,431.50

The green highlighted projects represent 'Green' or 'Sustainable' Infrastructure projects.

Exhibit D
2010 Funding Cycle -- Fundable Range for Drinking Water Project Technical Assistance
June 25, 2009

WIFA generates and periodically updates the Fundable Range from the Priority List -- See Exhibit C. The Fundable Range can change based on local readiness and willingness to proceed. Projects not appearing in the Fundable Range qualify for WIFA Loans.

Rank	Applicant	Project Title	Project #	Estimated Cost	Award	Local Match
1	Ehrenberg Improvement Association	Backup water source/Ehrenberg Water Department	003 2010	\$35,300.00	\$5,150.00	\$30,150.00
2	McNeal Water Company	ADEQ Emergency Requirements and Photovoltaic Panel Installation	074 2010	\$19,000.00	\$15,000.00	\$4,000.00
3	Mobile Gardens DWID	Facility Master Plan for Storage and Booster Pumps	058 2010	\$30,000.00	\$20,000.00	\$10,000.00
4	Dateland Public Service Co. Inc.	Overall Capacity Building	002 2010	\$35,000.00	\$23,000.00	\$12,000.00
5	Why Utilities Company Inc.	Energy Audit of Electrical system for operation purposes	025 2010	\$23,000.00	\$23,000.00	\$0.00
6	Bellefont Water Company	First Phase of Deep Well Project	045 2010	\$75,000.00	\$35,000.00	\$40,000.00
7	Antelope Peak DWID	Distribution System Replacement Project	028 2010	\$34,566.00	\$23,042.00	\$11,524.00
8	Cienega Water Company	Fluoride Removal Engineering Report	024 2010	\$35,000.00	\$23,000.00	\$12,000.00
9	Antelope Run Water Company	Antelope Run Water - Consolidation and Upgrades	007 2010	\$122,256.25	\$35,000.00	\$87,256.25
10	Mt. Lemmon Water District	Preliminary Engineering Study of the Existing Distribution System	054 2010	\$47,500.00	\$32,000.00	\$15,500.00
11	Verde Lee Water Co	Arsenic Treatment Preliminary Engineering	056 2010	\$30,500.00	\$15,000.00	\$15,500.00
12	Water Utility of Northern Scottsdale	System & Power Optimization	050 2010	\$70,000.00	\$35,000.00	\$35,000.00
13	New Saddleback Vista DWID	Arsenic and Uranium Treatment System Project	041 2010	\$27,205.00	\$18,225.00	\$8,980.00
14	Village of Orangewood Mobile Home Park	Energy Conservation Upgrades for Booster Pumps	040 2010	\$50,000.00	\$35,000.00	\$15,000.00

15	Parker Springs Water Company	Parker Springs Water Company Technical Assistance Project Application	057 2010	\$25,000.00	\$15,000.00	\$10,000.00
16	Humboldt Water System, Inc.	Humboldt Water System Infrastructure Updates and Renewable Energy Integration	071 2010	\$72,970.00	\$34,820.00	\$38,150.00
17	Hacienda Acres Water System	Water Master Plan	046 2010	\$87,500.00	\$35,000.00	\$52,500.00
18	Casa Grande West Water Company	Drinking Water Arsenic Treatment Design and Construction	016 2010	\$47,000.00	\$31,000.00	\$16,000.00
19	Pomerane Domestic Water Improvement District	Pomerene Energy Efficiency Program	006 2010	\$31,000.00	\$31,000.00	\$0.00
20	Valle Verde Water Company	Valle Verde Water - System Consolidation & Upgrades	015 2010	\$137,531.50	\$35,000.00	\$102,531.50
21	Clear Springs Utility Company	Clear Springs Utility Consolidation and Upgrades	008 2010	\$35,000.00	\$23,000.00	\$12,000.00
22	Orange Grove Water Co.	Orange Grove Water Co.	004 2010	\$35,000.00	\$35,000.00	\$0.00
23	Willow Valley Water Co.	Water Distribution System Renewal Plan	032 2010	\$87,500.00	\$35,000.00	\$52,500.00
24	Maricopa Domestic Water Improvement District	Southside Distribution System Pressure Augmentation	035 2010	\$35,066.00	\$23,400.00	\$11,666.00
25	Chandler Heights Citrus Irrigation District	CHCID Improvements and Up-Grades	053 2010	\$36,800.00	\$24,225.00	\$12,575.00
26	Golden Valley County Improvement District	Phase V Water Project	019 2010	\$63,520.00	\$35,000.00	\$28,520.00
27	Lakewood Water Company	Lakewood Water System Upgrades Design	066 2010	\$54,000.00	\$21,958.00	\$32,042.00

Exhibit G
2010 Funding Cycle – Public Review and Comment
June 25, 2009

The public comment period was conducted from Thursday, June 11, 2009 through Thursday, June 25, 2009 at 2 pm.

A public hearing was conducted in Phoenix on Monday, June 22nd, 2009 at the Arizona Department of Environmental Quality-1110 W. Washington St. Room 130, Phoenix, AZ 85007 from 1:00 p.m. to 2:00 p.m.

Three representatives from the City of Phoenix spoke on behalf of the Town of Miami. Miami's project is ranked first on the fundable range for Clean Water Project Technical Assistance, which awards the town \$26,700 with a \$13,300 match. The town would like the maximum award of \$35,000.

A representative of Global Water attended but did not provide comment.

The WIFA Board of Directors will adopt the Final TA IUP and PLs on June 25, 2009 at WIFA's bi-monthly board meeting. The IUP and PLs will become effective on July 1, 2009.