

Project	Category	Sector	Amount	By Category	Percent By Category
Activities to facilitate recharge/storage	Augmentation	All	\$ 300,000	\$ 300,000	18%
Water Conservation Management Program (WCMP)	Conservation	Agricultural	\$ 108,000		
On-Farm Conservation Program	Conservation	Agricultural	\$ 75,000		
SMARTSCAPE Professional Landscape Training	Conservation	Industrial	\$ 60,000		
Smart Controller Study - Best Management Practices Approach	Conservation	Industrial	\$ 75,000		
HOA Landscape/Irrigation Water Conservation	Conservation	Industrial	\$ 75,000		
Study of Decommissioning of Golf Courses	Conservation	Industrial	\$ 75,000		
Arizona Project WET	Conservation	Municipal	\$ 100,000	\$ 828,000	51%
Purchase of conservation materials	Conservation	Municipal	\$ 5,000		
Salinity - education and certified installer program	Conservation	Municipal	\$ 40,000		
Residential GPCD Study	Conservation	Municipal	\$ 50,000		
Building Water Efficiency Website	Conservation	Municipal	\$ 15,000		
Conservation Messaging program	Conservation	Municipal	\$ 20,000		
Development of online Low Water Use Plant List database	Conservation	Municipal	\$ 25,000		
Additional conservation outreach	Conservation	Municipal	\$ 25,000		
Contract - leak detection services	Conservation	Municipal	\$ 80,000		
Water level monitoring	Monitoring and Assessing Water Availability	All	\$ 50,000		
GCASE (Groundwater, Climate and Stakeholder Engagement) - enhanced model linking supply and demand	Monitoring and Assessing Water Availability	All	\$ 60,000	\$ 510,000	31%
Geohydrology analysis - Superstition Vistas	Monitoring and Assessing Water Availability	Municipal	\$ 350,000		
Non-Residential Demand Study	Monitoring and Assessing Water Availability	Municipal	\$ 50,000		

Project	Category	Sector	Amount	By Sector	Percent By Sector
Water Conservation Management Program (WCMP)	Conservation	Agricultural	\$ 108,000	\$ 183,000	11%
On-Farm Conservation Program	Conservation	Agricultural	\$ 75,000		
Activities to facilitate recharge/storage	Augmentation	All	\$ 300,000		
Water level monitoring	Monitoring and Assessing Water Availability	All	\$ 50,000	\$ 410,000	25%
GCASE (Groundwater, Climate and Stakeholder Engagement) - enhanced model linking supply and demand	Monitoring and Assessing Water Availability	All	\$ 60,000		
SMARTSCAPE Professional Landscape Training	Conservation	Industrial	\$ 60,000		
Smart Controller Study - Best Management Practices Approach	Conservation	Industrial	\$ 75,000	\$ 285,000	17%
HOA Landscape/Irrigation Water Conservation	Conservation	Industrial	\$ 75,000		
Study of Decommissioning of Golf Courses	Conservation	Industrial	\$ 75,000		
Arizona Project WET	Conservation	Municipal	\$ 100,000		
Purchase of conservation materials	Conservation	Municipal	\$ 5,000		
Salinity - education and certified installer program	Conservation	Municipal	\$ 40,000		
Residential GPCD Study	Conservation	Municipal	\$ 50,000		
Building Water Efficiency Website	Conservation	Municipal	\$ 15,000		
Conservation Messaging program	Conservation	Municipal	\$ 20,000		
Development of online Low Water Use Plant List database	Conservation	Municipal	\$ 25,000	\$ 760,000	46%
Additional conservation outreach	Conservation	Municipal	\$ 25,000		
Contract - leak detection services	Conservation	Municipal	\$ 80,000		
Geohydrology analysis - Superstition Vistas	Monitoring and Assessing Water Availability	Municipal	\$ 350,000		
Non-Residential Demand Study	Monitoring and Assessing Water Availability	Municipal	\$ 50,000		

	Amount
<b>Balance after encumbrances (includes SmartScape, AWQA, Maricopa Res GPCD, Water Level Monitoring)</b>	<b>\$ 1,000,837</b>
Priority 1 - funded or likely	
Arizona Project WET	\$ 100,000
Conservation materials	\$ 5,000
Superstition Vistas Geohydrologic Study	\$ 350,000
Non-residential demand study	\$ 50,000
Building Water Efficiency website	\$ 15,000
Water Conservation Management Program WCMP	\$ 108,000
Conservation messaging	\$ 20,000
Low Water Use Plant List database	\$ 25,000
Additional Conservation Outreach	\$ 25,000
<i>Subtotal</i>	<i>\$ 698,000</i>
<b>Balance</b>	<b>\$ 302,837</b>
Priority 2 - needs development	
Smart controller study	\$ 75,000
HOA landscape irrigation water conservation	\$ 75,000
On-farm conservation	\$ 75,000
Leak detection	\$ 80,000
Decommissioning golf course study	\$ 75,000
Groundwater, Climate and Stakeholder Engagement - Tonopah	\$ 60,000
Activities to facilitate recharge/storage	\$ 300,000
<i>Subtotal</i>	<i>\$ 740,000</i>
<b>Balance</b>	<b>\$ (437,163)</b>
Anticipated groundwater withdrawal fees for 2014	\$ 453,000
<b>Balance</b>	<b>\$ 15,837</b>



**DOUGLAS A. DUCEY**  
Governor

**THOMAS BUSCHATZKE**  
Director

**ARIZONA DEPARTMENT of WATER RESOURCES**  
3550 North Central Avenue, Second Floor  
Phoenix, Arizona 85012-2105  
602.771.8500  
azwater.gov

## **PROJECT EVALUATION FORM**

### **WATER MANAGEMENT ASSISTANCE PROGRAM (WMAAP)**

#### **WMAAP FUNDING TO BE USED TOWARDS:**

**Project:** Smartscape

**AMA:** Phoenix

**Contractor:** AMWUA

**Funding Period:** 7/30/13 – 7/31/15

**Contract Number:** 2013-2953 IGA

**Fund Amount:** \$60,000

---

#### **CRITERIA FOR EVALUATION:**

- 1. Does the project support augmentation of the water supply of the AMA; provide conservation assistance to water users with the AMA; and/or support monitoring and assessing water availability within the AMA?**

The Smartscape project provides conservation assistance through educational programs: landscape professionals in the Phoenix and Tucson areas are trained by Smartscape instructors in the fundamentals of design, installation, irrigation, and maintenance of low-water-use landscapes, therefore reducing water use and increasing water efficiency throughout their landscapes.

- 2. Is the project consistent with ADWR policies and programs, and the management goal of the AMA?**

The program is consistent with management requirements including use of the plants listed on the Low Water Use Plant List, as well as conservation principals and reduction of water use. The project is consistent with the Safe Yield management goal.

- 3. Does the project benefit multiple water users or stakeholders? Is there community and/or sector support for the project?**

The Project benefits property managers, landscape maintenance and installation personnel, nursery personnel, landscape architects and designers, and other allied professionals who are responsible for urban landscapes.

- 4. Is there the potential to leverage the project with other proposed or ongoing projects? Are there cost-sharing opportunities with applicant or other parties? Would the project be otherwise implemented without WMAP funding?**

The project is currently sponsored by AMWUA; matching WMAP funds are used to support the program coordinator's position, increasing its scope from a part time to a full time position. This in turn will expand training opportunities, increase the promotion of program, and enable robust analysis of program's effectiveness and impacts.

- 5. Can the effectiveness of the project be measured? Examples of metrics might include comparing pre-project water use and post-project water savings; scientific data collections and reporting methods; or pre-program and post-program surveys to verify project results.**

The effectiveness of the project is measured through surveys of training attendees. According to surveys of last year's training attendees, 100% of participants reported that their knowledge about proper care of water-efficient landscape increased, and 98% reported that they are very likely to implement one or more practices they learned during the training.

- 6. If the project is a continuation of ongoing activities, has the project been shown to be effective? If a new project, is the proposed work duplicative of work that has previously been performed?**

The project has been shown to be effective. During the fall of 2013 training forty-nine people registered and 37 people graduated. During the spring of 2014 Fifty-five people registered and 42 graduated.

- 7. Is the project proposal complete? In particular, proposals should include:**

- a. Clear statement of purpose, goals, methodology, and list of deliverables (data collection, interim and final reports, etc.);**

Yes – see attachment

- b. Detailed project budget, including salary costs and benefits, retrofit device costs, equipment/supply purchases, etc.**

Yes – see attachment



**DOUGLAS A. DUCEY**  
Governor

**THOMAS BUSCHATZKE**  
Director

**ARIZONA DEPARTMENT of WATER RESOURCES**  
3550 North Central Avenue, Second Floor  
Phoenix, Arizona 85012-2105  
602.771.8500  
azwater.gov

## **PROJECT EVALUATION FORM WATER MANAGEMENT ASSISTANCE PROGRAM (WMAP)**

### **WMAP FUNDING TO BE USED TOWARDS:**

**Project:** Salinity Study & Softener Certification

**AMA:** Phoenix

**Contractor:** Arizona Water Quality Association

**Funding Period:** 8/1/2014-7/31/2015

**Contract Number:** ADPSPO14-075786

**Fund Amount:** \$40,000

---

### **CRITERIA FOR EVALUATION:**

- 1. Does the project support augmentation of the water supply of the AMA; provide conservation assistance to water users with the AMA; and/or support monitoring and assessing water availability within the AMA?**

Yes, the project supports conservation assistance to water users with the Phoenix AMA and around Arizona through educational activities intended to decrease the salinity amount that enters the sewer system, and improve water quality. AWQA will develop a public education campaign tailored to residential and commercial water softener users regarding the consequences of salinity and the actions they can take to reduce their contribution to salinity. The Association will also develop a certification program that educate water softener sales people, installers, and service technicians about water softeners best management practices, focused on minimizing the use of water and salt in these systems.

- 2. Is the project consistent with ADWR policies and programs, and the management goal of the AMA?**

Yes, the project is consistent with ADWR's water conservation programs, as well as support the management goal of Safe Yield by providing public education and community support regarding water conservation, increasing common understanding of at least one water management issue facing the State's water resources- water salinity.

- 3. Does the project benefit multiple water users or stakeholders? Is there community and/or sector support for the project?**

Yes, the project benefits residential and commercial water users that are using water softeners, as well as the water softener professional sector. Ultimately, the project will reduce the salinity of the water generated by the softeners that enter the sewer, reducing also the energy, water, and costs associated with treating the water, and thus the benefits of the project expand beyond the stakeholders mentioned above.

**4. Is there the potential to leverage the project with other proposed or ongoing projects? Are there cost-sharing opportunities with applicant or other parties? Would the project be otherwise implemented without WMAP funding?**

This is a unique project that has a very specific focus on water softeners, and currently there is no potential to leverage it with other projects. The project requires WMAP funds to add an outreach component to the extensive research conducted and information collected by AWQA.

**5. Can the effectiveness of the project be measured? Examples of metrics might include comparing pre-project water use and post-project water savings; scientific data collections and reporting methods; or pre-program and post-program surveys to verify project results.**

Yes, the effectiveness of the project can be measured by the number of certified professional that go through the training, as well as by comparing pre and post sewer water salinity in areas where the educational campaign was most vigorous.

**6. If the project is a continuation of ongoing activities, has the project been shown to be effective? If a new project, is the proposed work duplicative of work that has previously been performed?**

This is a new project that is based on previous work done by the AWQA, though it does not duplicate the work that was done; its purpose is to deliver the knowledge gained by the association to the public and the professional community. As the technology to soften water improves, there is a need to bring this knowledge to all stakeholders involved, and this project provides the platform to address this need.

**7. Is the project proposal complete? In particular, proposals should include:**

**a. Clear statement of purpose, goals, methodology, and list of deliverables (data collection, interim and final reports, etc.);**

Yes, see attached.

**b. Detailed project budget, including salary costs and benefits, retrofit device costs, equipment/supply purchases, etc.**

Yes, see attached.



**DOUGLAS A. DUCEY**  
Governor

**THOMAS BUSCHATZKE**  
Director

**ARIZONA DEPARTMENT of WATER RESOURCES**  
3550 North Central Avenue, Second Floor  
Phoenix, Arizona 85012-2105  
602.771.8500  
azwater.gov

## **PROJECT EVALUATION FORM WATER MANAGEMENT ASSISTANCE PROGRAM (WMAP)**

### **WMAP FUNDING TO BE USED TOWARDS:**

**Project:**

**AMA:**

**Contractor:**

**Funding Period:**

**Contract Number:**

**Fund Amount:**

---

### **CRITERIA FOR EVALUATION:**

- 1. Does the project support augmentation of the water supply of the AMA; provide conservation assistance to water users with the AMA; and/or support monitoring and assessing water availability within the AMA?**
- 2. Is the project consistent with ADWR policies and programs, and the management goal of the AMA?**
- 3. Does the project benefit multiple water users or stakeholders? Is there community and/or sector support for the project?**

**4. Is there the potential to leverage the project with other proposed or ongoing projects? Are there cost-sharing opportunities with applicant or other parties? Would the project be otherwise implemented without WMAP funding?**

**5. Can the effectiveness of the project be measured? Examples of metrics might include comparing pre-project water use and post-project water savings; scientific data collections and reporting methods; or pre-program and post-program surveys to verify project results.**

**6. If the project is a continuation of ongoing activities, has the project been shown to be effective? If a new project, is the proposed work duplicative of work that has previously been performed?**

**7. Is the project proposal complete? In particular, proposals should include:**

**a. Clear statement of purpose, goals, methodology, and list of deliverables (data collection, interim and final reports, etc.);**

**b. Detailed project budget, including salary costs and benefits, retrofit device costs, equipment/supply purchases, etc.**