



2013 National Report

1. Introductions

1.1. Arizona Mission Statement

To promote the responsible stewardship of Arizona's water resources through education and advocacy for the best use of all water supplies.

1.2. Arizona Vision Statement

To be Arizona's authority and advocate that all water has value.

2. Arizona History

In 2005, Arizona members of the WaterReuse Association (National) began to explore the possibility of creating a state section of the WaterReuse Association. Key municipalities at the time that lead the charge to examine this potential included representatives from the City of Phoenix, City of Tucson, the City of Scottsdale, City of Tempe, and City of Peoria. These member agencies, as well as others from national consulting engineering firms, started a series of meetings in 2005 in Phoenix to look at section creation. The state of Arizona, much like California, Florida, and Texas, had been active in the reuse industry for many years and the importance of reuse was found an acceptable water resource practice in Arizona since the 1980's.

The main water and wastewater organization in Arizona at the time was the Arizona Water & Pollution Control Association (now known as AZ Water Association). Members of that organization had varying views on the creation of a state section of WaterReuse. Some thought reuse issues may be better left to organizations like AWWA and WEF. However, the majority of WaterReuse members saw the importance of helping to grow this new water association because of the specificity that the WaterReuse Association would provide in the future that those other organizations may not.

On August 18, 2005 in the Arizona Municipal Water User's Association Board room, a meeting of stakeholders convened to formally create the Arizona state section of the WaterReuse Association, now known as WaterReuse Arizona. In that room on that day, the WaterReuse Association members present accepted a template of the state section bylaws from the state of California section as the model from which to create the Arizona section. The first official action that day was to select a charter board to represent the newly formed section. The board was determined to consist of seven members in total; four officers (a president, past president, vice president, and secretary/treasurer), three trustees (central Arizona, southern Arizona, and a state at-large). The central Arizona trustee was to be chosen from a member of Maricopa or Pinal Counties; the southern Arizona trustee was to be chosen from either Pima, Santa Cruz, or

Cochise counties; the At-Large position was to be chosen from a member outside of any of the counties not specified by the area of the two other trustee locations.

2.1. The Charter Board of WateReuse Arizona was:

President – Dave Mansfield, City of Scottsdale
Vice President – Bruce Johnson, Tucson Water
Secretary/Treasurer – Andy Terrey, City of Phoenix
Central Arizona Trustee – Paul Kinshella, City of Phoenix
Southern Arizona Trustee – John Kmiec, Tucson Water
At-Large Trustee – Steve Liming, PBS&J

Since the Charter Board did not have a past president available, the first action of the board was to nominate Kevin Conway of Greeley and Hansen to serve as the Past President of the section.

One of the key items on the initial agenda of WateReuse AZ was to develop a Memorandum of Understanding with the Arizona Water & Pollution Control Association (AZ Water). On January 11, 2007, an MOU between the two organizations was formally adopted.

Key items in the MOU included:

- 1) a desire by both entities to work together on items of reuse and desalination in the state of Arizona;
- 2) periodically meet to discuss the activities of each association;
- 3) Jointly sponsor reclamation, reuse and desalination conferences and events within Arizona to the extent practicable; and
- 4) encourage dual membership in both organizations.

2.2. Conferences and Events

Since the creation of WateReuse AZ, several national and state events in the support of the WateReuse Association have been held.

May 2006 - WateReuse Research Foundation Conference, Phoenix, Arizona
July 2007 – Arizona State Reuse Conference, Flagstaff, Arizona
July 2009 – Arizona State Reuse Conference, Flagstaff, Arizona
September 2011 – National WateReuse Symposium, Phoenix, Arizona
May 2013 – WateReuse Research Foundation Conference, Phoenix, Arizona
July 2013 - Arizona State Reuse Conference, Flagstaff, Arizona

2.3. List of WateReuse AZ Presidents

2005-2007 – Dave Mansfield, City of Scottsdale
2007-2009 – Ron Doba, City of Flagstaff
2009-2011 – John Kmiec, Tucson Water
2011-2013 – Tim Thomure, HDR Engineering, Inc.
2013—current – Brian Biesemeyer, City of Scottsdale

3. Arizona Strategic Plan

In February 2013, the Board held a strategic planning session for the Board and Committee Chairs at the Biosphere 2 in Oracle. This strategic session was facilitated by Past President Tim Thomure, and resulted in focused 2013 objectives for the Section and its Committees listed in Section 5.

4. Organization

As a result of the 2013 Annual Meeting and elections held in November, the 2014 Arizona WaterReuse Board is:

President: Brian Biesemeyer (City of Scottsdale)

Vice President: Channah Rock (University of Arizona)

Secretary/Treasurer: Maria Brady (Stantec)

Past President: Tim Thomure (HDR)

Central AZ: Robin Bain (City of Peoria)

Southern AZ: John Kmiec (Town of Marana)

At-Large: John Calkins (ADEQ)

5. Strategic Plan Objectives

The primary focus of the Arizona Strategic Plan is to move various water initiatives forward including:

- Steering Committee on Arizona Potable Reuse (SCAPR) in support of the Blue Ribbon Panel on Direct Potable Water Reuse
- Continue to monitor the Arizona Legislature and evaluate how we might support or not support specific proposed legislative actions.
- Evaluate how to respond to the effluent transfer option clause that sunsets in 2025 in the Az Groundwater Law
- Determine the best approach to promoting the results/findings of the SCAPR initiative
- Promote Az Annual Conference in 2015
- Promote National Annual Conference in 2016
- Prepare and implement a presentation on SCAPR in rural Arizona

6. Financial Plan

See attached budget.

7. Implementation

- 1) Assist with WRRRC Conference in Flagstaff
- 2) Create a SCAPR presentation and hold the initial work session in Prescott in the summer

8. Key Accomplishments

8.1. Advancement of the Steering Committee on Arizona Potable Reuse (SCAPR)

In November 2012, the WaterReuse Arizona Board authorized the use of \$30,000 of Reserve Funds for support of four (4) advisory workshops (regulatory and guidance, public perception, emerging contaminants, technology) which were critical steps in implementation of key Governor's Blue Ribbon Panel on Water Sustainability measures. The National Board authorized an additional \$15,000 in funds to support this initiative. These advisory workshops were to be established, facilitated, and the results collated and organized into white papers by the Steering Committee on Arizona Potable Reuse (SCAPR).

By the end of 2013, all four workshops had been completed. Three of these workshops were completed with direct support from WaterReuse Arizona and the SCAPR. The fourth, on emerging contaminants, was held in conjunction with the existing Advisory Panel on Emerging Contaminants (APEC) Committee, administered by ADEQ. The workshops were:

- 1) Treatment Technologies held in May in Phoenix
- 2) Public perception held in July in Flagstaff
- 3) Water quality regulations held in November in California
- 4) Emerging Contaminants held in conjunction with APEC at a series of their regularly scheduled meetings during 2013

The task ahead for 2014 is to put the results of these workshops together into white papers for use by ADEQ and the state legislature when considering regulations on potable reuse.

8.2. Research Initiative

In 2009, WaterReuse Arizona began allocating 15% of the Section's National Dues income to the support of applicable research projects. These funds have been accrued in the Section's reserve for use as directed by the Board. The Board annually reviews the list of upcoming RFP's to be issued by the WaterReuse Research Foundation to select those projects that would qualify for in-kind cash support from the Section. The criteria to be eligible are:

- 1) The specific research topic is of particular interest to the membership of the Arizona Section and
- 2) The research teams that are requesting in-kind funding have meaningful participation from Arizona-based researchers and utilities.

If a project meets the first criterion and is approved by the Board, all teams that meet the second criterion are eligible for the in-kind support to boost their proposals. Since 2009, the Board has identified a handful of projects that are eligible. In 2013, the first such project was awarded to a research team with Arizona ties that included \$10,000 of cash in-kind support from the Section: Project 13-02 "Developing a Model Public Communication Plan for Advancing DPR Acceptance." This project is currently underway.

8.3. Membership Committee – Robin Bain (City of Peoria)

Membership grew slightly from 2012 to 2013 as follows:

Membership Type	2012	2013
Association Member- Affiliate	2	3
Association Member- Agency/Water Supplier	10	13
Association Member- Associate	11	11
Association Member- Associate - One Employee Firm	2	1
Association Member- Individual	1	1
Association Member- Student	1	1
Totals	27	30

Sixteen formal letters were sent soliciting new members; four joined or rejoined the Association as a result. For 2014, the remaining twelve prospective members will be re-contacted in addition to at least one prospective Affiliate member (Arizona Department of Water Resources).

8.4. Scholarship Awards

The Section awarded two scholarships – each of \$2500 – after applications and review by the board. The winners were:

- 1) Michelle C. Barry (Arizona State University – PhD Candidate)
- 2) Samantha McIntire (University of Arizona – Master’s Candidate)

8.5. Legislative/Regulatory Committee – Guy Carpenter (Carollo)

During the course of the session, legislators introduced 1,158 bills and 76 memorials and resolutions. 282 bills were ultimately passed by the Legislature and 26 of those bills were vetoed by the Governor, leaving 256 total bills that are enacted. Of the 76 memorials and resolutions introduced, 20 were passed by the Legislature and sent to the Secretary of State. None of the bills considered dealt directly with reclaimed water, although a few included elements that might influence reclaimed water management relative to assured water supply.

In January 2014, after five years of development, ADWR issued a report / planning program: “Arizona’s Next Century: A Strategic Vision for Water Supply Sustainability.” The process to meet the challenge has been identified on two fronts: “First, in cooperation with Reclamation [US Bureau of Reclamation] and the Basin States, ADWAR (along with Arizona stakeholders) is actively participating in a process to identify and analyze multiple Basin-wide strategies including: demand management; reuse of reclaimed water; the viability of water transfers; alternative water importation strategies (e.g. Water Banking in Upper Basin); watershed management; and importation of water supplies from outside the Colorado River Basin. Secondly,...we have initiated a parallel process within Arizona....that identifies strategies and projects similar to those described in the Basin Study.”

Statewide priorities identified included a 10-year action plan was included:

- 1) Resolution of Indian and Non-Indian Water Rights Claims
- 2) Continued Commitment to Conservation and Expand Reuse of Reclaimed Water
- 3) Expanded Monitoring and Reporting of Water Use
- 4) Identifying the Role of In-State Water Transfers

- 5) Supply Importation – DeSalination
- 6) Develop Financing Mechanism to Support Water Supply Resiliency

8.6. Education Committee – Channah Rock (University of Arizona)

In 2013 the Education Committee has continued to support efforts towards enhancing student participation in both local and National WaterReuse events. This included scholarships and travel support to the 2013 conference in Flagstaff, AZ as well as promotion of the National WaterReuse Research conference and Symposium to students at the three Arizona Universities. Accordingly, at the 17th Annual Water Reuse & Desalination Research Conference held in Phoenix on May 6-7th, 2013 a student poster session was facilitate by our group. This session was tailored to University students who submitted abstracts to the conference. The National WaterReuse Research Foundation agreed to support conference registration fees and travel costs for a select number of students. Monetary award(s) were given for "best poster" by a student at the conference. We believe that student participation in conferences of this nature will help to strengthen the next generation of engineers/scientists/water managers in the industry.

While in the past the education committee had worked with Arizona ProjectWET to develop a proposal related to water reuse education, this proposal has still yet to be funded. The overall goal is to develop a K-12 curriculum guide on water recycling and reuse that would be universally acceptable to multiple states and WaterReuse members. WaterReuse AZ is committed to continuing support of these efforts in the coming years.

Additional efforts of the Education Committee in 2013 have included support of SCAPR (Steering Committee on Arizona Potable Reuse) and APEC (Arizona Panel of Emerging Contaminants) efforts on a statewide basis. Members of WaterReuse AZ have participated on the Education and Outreach committee of both efforts. As part of our commitment to these groups members have provided review of reports, development of educational materials, and also helped to develop and deploy a statewide survey of wastewater professionals regarding their preparedness for communicating with the public about emerging contaminants.