



Andy Mally
Black & Veatch,
Symposium Co-Chair



Adam Festger
Brown and Caldwell,
Symposium Co-Chair



Becky Daggett
Flagstaff Mayor



Guy Carpenter
Woolpert,
EMCEE -
Anniversary Awards

Arizona Water Reuse 2025 Symposium

July 20-22, 2025

High Country Conference Center in Flagstaff, AZ

For more information, visit www.azwater.org/events

ACTIVITIES

SUNDAY, JULY 20, 8:30 AM - 12:00 PM

Mountain Bike Ride

Optional and free group mountain bike ride at Campbell Mesa / Walnut Canyon. Two different routes available for beginners and intermediate riders. Lunch will be provided by McCarthy.

Welcome Reception and 9th Annual Purple Water Balloon Battle

Join us to get acquainted and network with your fellow water reuse professionals. If weather permits, we will host a purple recycled water balloon battle to kick-off the event!

MONDAY, JULY 21, 6:00 PM

Humphrey's Ballroom

20th Anniversary Celebration Dinner

Join us for cocktails, dinner and awards presentation to celebrate all the individuals and organizations that helped set the stage for the accomplishments achieved in recent years. The evening will end with live music provided by some of our very own water industry professionals.

AWARDS

2025 WaterReuse Arizona Scholarship Awards

WaterReuse Arizona will announce the winning recipients of two \$3,000 scholarships.

2025 WaterReuse Arizona Awards

WaterReuse Arizona will present awards in the following categories.

- Project of the Year
- Program of the Year
- Person of the Year

HIGH COUNTRY CONFERENCE CENTER

**201 W. Butler Avenue, Flagstaff,
AZ 86001 | 928-773-4900**

*Hotel Accommodations available at
Drury Inn & Suites, 300 South Milton
Road, Flagstaff, AZ 86001*

*Arizona Water Reuse 2025
Symposium is organized by
WaterReuse Arizona and the AZ
Water Association*

Arizona Water Reuse 2025 Symposium

SUNDAY, JULY 20		
8:30 AM - 12:00 PM	Group Mountain Bike Ride at Campbell Mesa / Walnut Canyon	
4:30 PM - 7:00 PM	Registration Check-in at High Country Conference Center	
5:00 PM- 7:00 PM	Welcome Reception & 9th Annual Purple Water Balloon Battle at 1899 Bar & Grille Patio	
MONDAY, JULY 21		
7:30 AM- 8:30 AM	REGISTRATION & BREAKFAST (Humphrey's)	
8:30 AM - 10:15 AM	GENERAL SESSION (Humphrey's):	
INTRODUCTION - Erin Young, WaterReuse AZ Section President (Flagstaff Water Services) and Art Nunez, AZ Water President (EPCOR)		
WELCOME REMARKS - Becky Daggett, Flagstaff Mayor		
SPECIAL MESSAGES - Bart Weiss, WaterReuse President and Brian Biesemeyer - Interim Executive Director, WaterReuse Association		
UPDATE ON AWP RULEMAKING - Karen Peters, Director, Arizona Department of Environmental Quality (ADEQ)		
PANEL DISCUSSION FACILITATED BY ANDY MALLY - Arizona Pure Water: A Grassroots Approach for Statewide Benefit		
PANEL MEMBERS - Troy Hayes, Water Services Director, City of Phoenix, Natalie DeRoock, Public Affairs Administrator, Tucson Water, and Ian Monahan, Director, Katz and Associates		
10:15 AM- 10:30 AM	BREAK	
10:30 AM - 12:00 PM	Session 1A (Abineau): Update on the National WRAP facilitated by Guy Carpenter	Session 1B (Fremont): Operations Moderated by Corin Marron
	Brian Biesemeyer Executive Director, WaterReuse Association John Kmiec Director, Tucson Water Karthik Kumarasamy Principal Water Treatment Engineer, AECOM Mehul Patel Executive Director of Operations, Orange County Water District	Smarter Operators: Simulation, Gen AI, and Mobile Work Delph Mak, Yokogawa
		Where have all the operators gone? James Taylor, Black & Veatch
		At your Fingertips: Real-time Monitoring for AWP Compliance and Control Heather Tugaoen, Watergenics, Inc.
12:00 PM- 1:30 PM	LUNCH (Humphrey's) SCHOLARSHIP & WATEREUSE ARIZONA AWARDS PRESENTATIONS (1:00 - 1:30 PM)	
1:30 PM- 3:00 PM	Session 2A (Abineau): Research and Innovation Moderated by Erin Young	Session 2B (Fremont): Regulations and Permitting Moderated by Karthik Kumarasamy
	Tapping into Reuse's Influence on Distribution System Water Quality Cayla Cook-Carbone, Hazen and Sawyer	ADEQ AWP Rule Highlights and Details Katie Vanyo, Jacobs
	Exploring UVAOP Byproducts and Toxicity during Potable Reuse Nathan Moore, Brown and Caldwell	Arizona's AWP Program: WRF Design and Operational Guidelines Rob McCandless, Stantec
	Controlling the UV/AOP Performance in Potable Water Reuse Projects Alan Royce, Trojan Technologies	The Next Source of Water for Arizona Chelsea McGuire, WIFA

Arizona Water Reuse 2025 Symposium

MONDAY, JULY 21		
3:00 PM- 3:30 PM	BREAK	
3:30 PM- 5:00 PM	Session 3A (Abineau): Research and Innovation Moderated by Zaid Chowdhury	Session 3B (Fremont): Communicating DPR Moderated by Andrea Odegard-Begay
	State of Art Approaches to RO Concentrate Management <i>Ufuk Erdal, Black & Veatch</i>	Direct Potable Reuse – One of the most challenging “asks!” <i>Sara Katz, Katz and Associates</i>
	Selection of Viral Surrogates for Confirmation of Advanced Treatment <i>Joe Hernandez, Scottsdale Water</i>	Using Virtual Reality Experiences to Change Public Perceptions about AWP <i>Claire Lauer, Arizona Water Innovation Initiative</i>
	Indigenous Coliphages for Assessment and Monitoring of Log Reductions of Viruses by Treatment Processes <i>Charles Gerba, University of Arizona</i>	Using Early Warning Systems to Foster Public Trust in AWP <i>Karthik Kumarasamy, AECOM</i>
5:00 PM - 6:00 PM	Cocktail Reception	
6:00 PM - 9:00 PM	20th Anniversary Celebration Dinner at High Country Conference Center	
TUESDAY, JULY 22		
7:30 AM - 8:30 AM	REGISTRATION BREAKFAST (Humphrey's)	
8:30 AM - 9:00 AM	GENERAL SESSION (HUMPHREY'S) - AWP Operations - What is in store with AWP? Presented by Troy Walker, Water Reuse Practice Leader, Hazen and Sawyer	
9:00 AM - 10:30 AM	OPERATIONS PANEL DISCUSSION - How do we meet the bar for AWP in Arizona? Facilitated by Troy Walker	
	Art Nunez, Operations Director, EPCOR	
	Bryan Cassens, Water Reclamation Services Director, City of Scottsdale	
	Ryan Popko, Engineering Manager, Jacksonville Electric Authority	
	Jessey Cordero, Reuse Operations Engineering Manager, Moulton Niguel Water District	
10:30 AM - 10:45 AM	BREAK	
10:45 AM - 12:00 PM	OPERATIONS WORLD CAFE - BREAKOUT GROUPS Facilitated by Clayton Freed	
	What can the industry do to incentivize current operators to get certified for AWP?	
	How do we attract new talent to operations?	
	What should WateReuse AZ do to help engage current/future operators?	
	Group Reports	
	CLOSING REMARKS	
12:30 PM - 2:30 PM	WateReuse AZ Section Board Meeting & Symposium Debrief	

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