

# Arizona Water Reuse 2025 Symposium

SUNDAY, JULY 20		
7:00 AM - 12:00 PM	Group Mountain Bike Ride	
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):	
WELCOME REMARKS - Becky Daggett, Flagstaff Mayor		
SPECIAL MESSAGES - Brian Biesemeyer - Interium Executive Director, WaterReuse Association		
UPDATE ON AWP RULEMAKING - Karen Peters, Director, Arizona Department of Environmental Quality (ADEQ)		
PANEL DISCUSSION - Arizona Pure Water: A Grassroots Approach for Statewide Benefit PANEL MEMBERS - Troy Hayes, Water Services Director, City of Phoenix, Natalie DeRook, Public Affairs Administrator, Tucson Water, and Sara Katz, CEO, 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
	Justin Mattingly Water Reuse Specialist, US EPA Brian Biesemeyer Executive Director, WaterReuse Association John Kmiec Director, Tucson Water Karthik Kumarasamy Water Reuse Regulatory Expert, CDM Smith Mehul Patel Executive Director of Operations, Orange County Water District	Empowering Operators with Simulation-Driven Training 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 Kamurasamay
	Tapping into Reuse's Influence on Distribution System Water Quality Cayla Cook, Hazen and Sawyer	ADEQ AWP Rule Highlights and Details Katie Vanyo, Jacobs
	Toxic Byproduct Formation During UV/CL2 and UV/H2O2 AOP for Potable Reuse Nathan Moore, Brown and Caldwell	Arizona's AWP Program: WRF Design and Operational Guidelines Kevin Daniels, Stantec
	Controlling the UV/AOP Performance in Potable Water Reuse Projects Scott Bindner, Trojan Technologies	The Next Source of Water for Arizona Chelsea McGuire, WIFA

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MONDAY, JULY 21		
3:00 PM- 3:30 PM	BREAK	
3:30 PM- 5:00 PM	<b>Session 3A (Abineau):</b> Research and Innovation Moderated by Zaid Chowdhury	<b>Session 3B (Fremont):</b> Communicating DPR Moderated by Andrea Odegard-Begay
	State of Art Approaches to RO Concentrate Management <i>Ufuk Erdal, Black &amp; Veatch</i>	Direct Potable Reuse – One of the most challenging “asks!” <i>Brent Eidson, 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, CDM Smith</i>
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) - Arizona Operator Statistics Presentation 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 Advanced Water Purification (AWP) in AZ? 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	
	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	