



# Arizona Water Reuse 2023 Symposium

JULY 23-25, 2023

Little America Hotel in Flagstaff, AZ

For more information, visit [www.azwater.org/events](http://www.azwater.org/events)

## ACTIVITIES



**Katie Vanyo**  
Hazen and Sawyer,  
Symposium Co-Chair



**Corin Marron**  
Carollo Engineers,  
Symposium Co-Chair



**Becky Daggett**  
Flagstaff Mayor



**Karen Peters**  
Director, AZ Dept. of  
Environmental Quality



**Trevor Baggione**  
Water Quality Division  
Director, AZ Dept. of  
Environmental Quality

*Sunday, July 23, 9 am - 4 pm*

**Tour of Old Grand Canyon Water  
Reclamation Facility**

Transportation and lunch provided.  
Space is limited. Add on to registration - \$65.

**Welcome Reception and 7th 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 24, 6 - 9 pm  
at Hart Prairie Lodge*

**Cocktail Reception  
and Dinner**

Hart Prairie Lodge is located at  
Arizona Snowbowl.

A shuttle will be provided for  
safe transportation. Arizona  
Snowbowl will host scenic  
chairlift rides from 6 - 7 pm

## AWARDS

**2023 WateReuse Arizona  
Scholarship Awards**

WateReuse Arizona will  
announce the winning  
recipients of two \$2,500  
scholarships.

**2023 WateReuse Arizona Awards**

WateReuse Arizona will present awards  
in the following categories.

1. Project of the Year
2. Program of the Year
3. Person of the Year

## LITTLE AMERICA HOTEL

2515 E. Butler Avenue | Flagstaff, AZ 86004 | T: 928.779.7900

Arizona Water Reuse 2023 Symposium is organized by WateReuse Arizona and  
the AZ Water Association



# Arizona Water Reuse 2023 Symposium

SUNDAY, JULY 23							
9:00 AM - 4:00 PM	Old Grand Canyon Water Reclamation Facility Tour						
4:30 - 7:00 PM	Registration on the Lawn (weather permitting)						
5:00 - 7:00 PM	Welcome Reception & 7th Annual Purple Water Balloon Battle						
MONDAY, JULY 24							
7:30 - 8:30 AM	REGISTRATION & CONTINENTAL BREAKFAST						
8:45 - 10:15 AM	<b>GENERAL SESSION (Ballrooms B-C):</b> Moderated by Katie Vanyo						
	<b>INTRODUCTION</b> - Maria Brady, WaterReuse Arizona Chapter President (Stantec) Jeanne Jensen, AZ Water Association President (Town of Gilbert)						
	<b>WELCOME REMARKS</b> - Shannon Jones, Flagstaff Water Services Director and Becky Daggett, Flagstaff Mayor						
	<b>SPECIAL MESSAGES</b> - Pat Sinicropi, Executive Director, WaterReuse Association Craig Lichty, WaterReuse Association National President						
	<b>KEYNOTE ADDRESSES</b> Karen Peters, Director, Arizona Department of Environmental Quality ADEQ Rulemaking Update, Trevor Baggione and Karthik Kumarasamy, Arizona Department of Environmental Quality						
10:15 - 10:30 AM	BREAK						
10:30 - 12:00 PM	<table border="1"> <tr> <td><b>SESSION 1A (Flagstaff Room):</b> Potable Reuse Operations Panel Facilitated by Troy Walker</td> <td><b>SESSION 1B (Ballroom A):</b> Case Studies Moderated by: Zaid Chowdhury</td> </tr> <tr> <td rowspan="3">Shivani Shah, Arizona Department of Environmental Quality David Walby, City of Scottsdale Jim Swanson, City of Phoenix Germano Salazar Benites, Hampton Roads Sanitation District Mehul Patel, Orange County Water District</td> <td>Cave Creek WRP: A Pathway to DPR Andy Mally, Black and Veatch</td> </tr> <tr> <td>Planning Approach to Meet Municipal and Industrial Water Supply/Quality Goals Stephanie Ishii, Hazen and Sawyer</td> </tr> <tr> <td>Strategic Characterization and Treatment Optimization for Reuse of Semiconductor Wastewater Shahnawaz Sinha, Arizona State University</td> </tr> </table>	<b>SESSION 1A (Flagstaff Room):</b> Potable Reuse Operations Panel Facilitated by Troy Walker	<b>SESSION 1B (Ballroom A):</b> Case Studies Moderated by: Zaid Chowdhury	Shivani Shah, Arizona Department of Environmental Quality David Walby, City of Scottsdale Jim Swanson, City of Phoenix Germano Salazar Benites, Hampton Roads Sanitation District Mehul Patel, Orange County Water District	Cave Creek WRP: A Pathway to DPR Andy Mally, Black and Veatch	Planning Approach to Meet Municipal and Industrial Water Supply/Quality Goals Stephanie Ishii, Hazen and Sawyer	Strategic Characterization and Treatment Optimization for Reuse of Semiconductor Wastewater Shahnawaz Sinha, Arizona State University
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12:00 - 1:30 PM	<b>LUNCH (Ballrooms B-C)</b> <b>SCHOLARSHIP &amp; WATER REUSE AWARDS PRESENTATIONS (1:00 - 1:30 PM)</b>						
1:30 - 3:00 PM	<table border="1"> <tr> <td><b>SESSION 2A (Flagstaff Room):</b> Pathogen Control and Risk Assessment in Reuse Panel Facilitated by Kevin Hardy</td> <td><b>SESSION 2B (Ballroom A):</b> Funding: Opportunities, Planning, and Implementation Moderated by George Maseeh</td> </tr> <tr> <td rowspan="3">Karthik Kumarasamy, Arizona Department of Environmental Quality Katherine Crank, Southern Nevada Water Authority Amos Branch, Carollo Engineers Charles Gerba, University of Arizona</td> <td>Opportunities for Funding Reuse Projects with WIFA Chuck Podolak, WIFA</td> </tr> <tr> <td>Planning &amp; Funding your Reuse Vision Yuliana Porras Mendoza, Garver</td> </tr> <tr> <td>Utility Funding and Financing Case Studies Brian Biesemeyer, Scottsdale Water and John Kmiec, Tucson Water</td> </tr> </table>	<b>SESSION 2A (Flagstaff Room):</b> Pathogen Control and Risk Assessment in Reuse Panel Facilitated by Kevin Hardy	<b>SESSION 2B (Ballroom A):</b> Funding: Opportunities, Planning, and Implementation Moderated by George Maseeh	Karthik Kumarasamy, Arizona Department of Environmental Quality Katherine Crank, Southern Nevada Water Authority Amos Branch, Carollo Engineers Charles Gerba, University of Arizona	Opportunities for Funding Reuse Projects with WIFA Chuck Podolak, WIFA	Planning & Funding your Reuse Vision Yuliana Porras Mendoza, Garver	Utility Funding and Financing Case Studies Brian Biesemeyer, Scottsdale Water and John Kmiec, Tucson Water
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3:00 - 3:30 PM	BREAK						



# Arizona Water Reuse 2023 Symposium

MONDAY, JULY 24	
3:30 - 5:00 PM	<p><b>SESSION 3A (Flagstaff Room):</b> Reuse Research Panel Facilitated by Julie Minton</p> <p><b>SESSION 3B (Ballroom A):</b> Case Studies Moderated by Andy Mally</p>
	<p><b>EPA STAR Grant, Water Reuse Action Plan:</b> Charles Gerba, The University of Arizona Miriam Hacker, Water Center at University of Pennsylvania</p> <p>Actionable Findings from Research on Potable Reuse Decision-Making in Central Arizona Marisa Manheim, Arizona State University</p> <p>PFAS Treatment in Reuse Applications Conner Murray, Hazen and Sawyer</p> <p>Biochar for Wastewater Treatment, Ward Davis, Flagstaff Water Group</p>
5:15 & 5:45 PM	SHUTTLE TO RECEPTION/DINNER (Hotel Lobby Entrance)
6:00 - 7:00 PM	SCENIC CHAIRLIFT RIDES SPONSORED BY ARIZONA SNOWBOWL!
6:00 - 7:00 PM	RECEPTION AT ARIZONA SNOWBOWL - Hart Prairie Lodge
7:00 - 9:00 PM	DINNER AT ARIZONA SNOWBOWL - Hart Prairie Lodge
8:30 & 9:00 PM	RETURN SHUTTLES TO LITTLE AMERICA
TUESDAY, JULY 25	
7:30 - 8:30 AM	REGISTRATION & CONTINENTAL BREAKFAST
8:30 - 10:15 AM	<p><b>GENERAL SESSION (Ballrooms B-C):</b> Salinity and Concentrate Management Panel Facilitated by Maria Brady</p> <p>Scott Reinert, El Paso Water Barbara Chappell, City of Goodyear Brad Berles, Arizona Public Service Thomas Bolyen, City of Chandler</p>
10:15 - 10:30 AM	BREAK
10:30 AM - 12:00 PM	<p><b>GENERAL SESSION (Ballroom B-C):</b> Interactive Salinity Breakouts Groups</p> <p>What do we as a water industry think we should do to address the salinity management challenges? Whose responsibility is it to address salinity? How do we manage the message about cost as a result of salinity management? Group Reports &amp; Discussion</p>
	CLOSING REMARKS
12:30 - 1:30 PM	WATEREUSE AZ SECTION BOARD MEETING

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