



2023 WaterReuse Colorado Conference May 2, 2023

The primary objectives of WaterReuse Colorado include supporting the mission of the WaterReuse Association, advocating for legislation and regulations which facilitate appropriate water reuse, promoting safe and effective reuse throughout the state, and improving public understanding of water reclamation.

Contact Us

- **Website:**
<https://watereuse.org/sections/watereuse-colorado/>
- **LinkedIn:**
<https://www.linkedin.com/company/watereuse-colorado/>



Join us after the Technical Program at the WRCO Reception

5:00 PM – 7:00 PM

Location: The Boulder Social

1600 38th St, Boulder, CO 80301



Colorado's Challenging Water Future: Where Are We with Water Reuse?

Thank you, CU Boulder!



Program Schedule

7:30 AM – 8:30 AM	Registration and Breakfast
8:30 AM – 9:15 AM	General Session Welcome and Colorado WaterReuse Update <i>Shannon Spurlock, WRCO President</i> National WaterReuse Outlook <i>Pat Sinicropi, WaterReuse Association Executive Director</i> Keynote <i>Becky Mitchell, Director of Colorado Water Conservation Board</i>
9:15 AM – 9:30 AM	Break
9:30 AM – 11:00 AM	Plenary Session: Where is Our Next Water Coming From? A panel of public agencies and/or regulatory representatives talking about their views on non-potable & potable reuse and their utilities' vision on what their future water supply portfolio looks like. Panelists: <i>Mark Marlowe, Director of Castle Rock Water</i> <i>Jeni Arndt, Mayor of the City of Fort Collins</i> <i>Ashley Harper, Environmental Protection Specialist with the Water Reuse Team, U.S. EPA</i> <i>Tyson Ingels, Lead Drinking Water Engineer at CDPHE</i>
11:00 AM – 11:30 AM	Lunch Break
11:30 AM – 12:30 PM	Lunch Programming Presentations: Funding Reuse in CO <i>Kevin Reidy, Senior Water Efficiency Specialist, Colorado Water Conservation Board</i> WRF/EPA National WaterReuse Project <i>R. Scott Summers, Water Reuse Program Co-Director, CU Boulder</i> Presentations by WRCO Scholarship Recipients
12:30 PM – 1:00 PM	Networking Break

Technical Sessions

1:00 PM – 2:30 PM	Session 1A: Digging Into DPR (Moderator: Alex Page, Kennedy Jenks) 1:00 PM – 1:30 PM: DIY Reuse Facility Log Reduction Requirements and Redundancy via QMRA; <i>Amos Branch, Carollo Engineers</i> 1:30 PM – 2:00 PM: AOP for Inland Potable Reuse: Why and What can Happen; <i>Michael Watts, Garver</i> 2:00 PM – 2:30 PM: PFAS in Potable Reuse: Crisis or Non-Issue?; <i>Rosa Yu, Carollo Engineers</i>	Session 1B: Reuse Case Studies in Colorado (Moderator: Bob Peters, Denver Water) 1:00 PM – 1:30 PM: It takes a Village: Operating a 30-Year-Old Reuse System; <i>Raegan Swartz, Burns & McDonnell</i> 1:30 PM – 2:00 PM: DPR Outreach: New Regs and Lessons Learned from the 2021 DPR Demonstration; <i>Birgit Landin, Colorado Springs Utilities</i> 2:00 PM – 2:30 PM: Commissioning "RUFUS": Colorado's First Localized Recycled Water System; <i>Chance Coe, Denver Water</i>	Session 1C: Wastewater Treatment for Reuse (Moderator: John McCarl, City of Englewood) 1:00 PM – 1:30 PM: Recovery of Nitrogen from Anaerobic Digester Concentrate for Sustainable Fertilizer; <i>Alexander Schwiebert, Colorado School of Mines</i> 1:30 PM – 2:00 PM: Source Water Optimization Solutions for Nutrient Control and Reduced Emissions; <i>Steve Myers, Hach</i> 2:00 PM – 2:30 PM: Membrane Bioreactors' Role in Potable Reuse; <i>Kate Peach, Veolia</i>
	2:30 PM – 3:00 PM Break		
3:00 PM – 4:30 PM	Session 2A: Monitoring and Operating Potable Reuse Systems (Moderator: Jason Curl, Hazen and Sawyer) 3:00 PM – 3:30 PM: Assessing Monitoring Needs and Opportunities for Potable Water Reuse; <i>Blair Hanson, CU Boulder</i> 3:30 PM – 4:00 PM: Tracking Estrogenic Contaminants Through a Direct Potable Reuse Treatment Train; <i>Elliese Wright, Colorado School of Mines</i> 4:00 PM – 4:30 PM: The Operator of the Future: Apply Today! Considerations for Potable Reuse Facilities; <i>Jo Ann Jackson, Black & Veatch</i>	Session 2B: Potable Reuse Planning and Implementation (Moderator: John Rehring, Carollo) 3:00 PM – 3:30 PM: Performance data and operating considerations for the Colorado DPR mobile demonstration trailer; <i>Jason Assouline, Carollo; Mason Manross, Colorado School of Mines</i> 3:30 PM – 4:00 PM: From Here to DPR: How to Comply with the new DPR Regulations; <i>Tyler Nading, Jacobs</i> 4:00 PM – 4:30 PM: Economics of Potable Reuse with Partial Reverse Osmosis Treatment Schemes for Inland Communities; <i>Sara Arabi, Stantec</i>	Session 2C: Industrial Reuse (Moderator: Frank Johns, Stanley Group) 3:00 PM – 3:30 PM: Comprehensive Environmental Toxicity Study of High Salinity Produced Water Treatment; <i>Brett Van Houghton, Colorado School of Mines</i> 3:30 PM – 4:00 PM: Water Reuse Advancements in Desal - Embracing the "Electrification" Concept; <i>Eric Dole, Garver</i> 4:00 PM – 4:30 PM: "Slacking" in Commercial Food Service - Measuring a "New" Water Waste Stream; <i>Mac Marsh, Boss Defrost</i>
	5:00 PM – 7:00 PM Reception/Dinner		