



THE
**Water
Research**
FOUNDATION



Regional Workshop: Implementing Potable Reuse

September 14, 2023

Metropolitan Water District of Southern California,

700 Alameda St, Los Angeles, CA, 90012

8:00 am – 9:00 am

Breakfast, Coffee and Networking

9:00 am – 9:10 am

Welcome

Shane Chapman, The Metropolitan Water District of Southern California

Maureen Hodgins, The Water Research Foundation

9:10 am – 10:00 am

Session 1: Monitoring

Moderator: Julie Minton, The Water Research Foundation

Monitoring Wastewater Treatment

Andrew Salveson, Carollo Engineers

Monitoring Potable Reuse Treatment Systems

Brian Pecson, Trussell Technologies Inc.

10:00 am – 10:30 am

Morning Break

10:30 am – 11:45 am

Session 2: Chemical Control & Implementation

Moderator: Maureen Hodgins, The Water Research Foundation

Fate of CECs in O3/BAC-based DPR Treatment Train

Keel Robinson, Trussell Technologies, Inc.

Removal of Low Molecular Weight Compounds using Granular Activated Carbon

Larry Schimmoller, Jacobs and Jesus Gonzalez, Los Angeles Department of Water and Power

Blending Advanced Treated Water with Raw Water Upstream of a Surface Water Treatment Plant

Kevin Stewart, Los Angeles Department of Water and Power

11:45 am – 12:45 pm

Networking Lunch

12:45 pm – 1:35 pm	Session 3: Pathogen Control & Implementation <i>Moderator: Julie Minton, The Water Research Foundation</i> Pathogens and Membrane Bioreactors Amos Branch , Carollo Engineers Pathogen Reduction Testing George Di Giovanni, The Metropolitan Water District of Southern California
1:35 pm – 2:00 pm	Networking Break
2:00 pm – 3:00 pm	Session 4, Strategic Visions of Implementing Potable Reuse in California <i>Facilitator: Rich Nagel, Jacobs</i> Heather Collins , The Metropolitan Water District of Southern California Ajay Malik , Los Angeles County Sanitation District Jesus Gonzalez , Los Angeles Department of Water and Power Traci Minamide , City of Los Angeles Sanitation and Environment
3:00 pm – 3:05 pm	Closing Remarks Julie Minton , The Water Research Foundation

WRF Projects - Monitoring

- [5048](#), Integrating Real-Time Collection System Monitoring Approaches into Enhanced Source Control Programs for Potable Reuse. Published 2023.
- [4833](#), Understanding the Impacts of Wastewater Treatment Performance on Advanced Water Treatment Processes and Finished Water Quality. Published 2023.
- [4954](#), Integration of High-Frequency Performance Data for Microbial and Chemical Compounds Control in Potable Reuse Treatment Systems. Ongoing, estimate complete in 2023.

WRF Projects – Chemical Control

- [4832](#), Evaluation of CEC Removal by Ozone/BAF Treatment in Potable Reuse Applications. Published in 2023.
- [5049](#), Public Health Benefits and Challenges for Blending of Advanced Treated Water with Raw Water Upstream of a Surface Water Treatment Plant in DPR. Published 2023.

WRF Projects – Pathogen Control

- [4997](#), Membrane Bioreactor Validation Protocols for Water Reuse. Published 2021. Webinar 2020.
- [4959](#), Evaluation of Tier 3 Validation Protocol for Membrane Bioreactors to Achieve Higher Pathogen Credit for Potable Reuse. Published 2023.

WRF Reuse Topics Page: Projects, News, Resources



CA State Water Resources Control Board Grant



EPA Grant, WRF 5197: Unlocking the Nationwide Potential of Water Reuse



EPA Grant, WRF 5126: Advancing Safety and Reliability to Protect Public Health: Identifying Quantitative Reductions of Viral Pathogens and Surrogates for Water Reuse Applications

