

2025 Conference Program Schedule

Maximum CEUs Possible - Idaho - 2.0 DW

Maximum CEUs Possible - Oregon - 2.0 DW

Maximum CEUs Possible - 2.0 WDOH

Wednesday, May 7, 2005

Morning Pre-Conference Seminars									
Room	100 D - 126 classroom	100 E - 126 classroom	110 A	110 B	110 C	110 D	120 A	120 B	120 C
Hosting Committee	Water Treatment	Water Information Tech							
Seminar	West Boise Water Renewal Facility Tour	Utilizing Excel to Improve Utility Operations	Water Storage Basics						
8:30	Tour of West Boise Water Renewal Facility	Section 1 -	Section 1 - Water Storage Basics Section 2 - Soils & Seismic Considerations for Water Storage Siting & Design						
9:00	Tour of West Boise Water Renewal Facility								
9:30 - 9:45 Break									
9:45	Tour of West Boise Water Renewal Facility	Section 2	Section 3 - Structural Considerations for Design Section 4 - Piping Connections						
10:15	Tour of West Boise Water Renewal Facility								
10:45 - 11:00 Break									
11:00	Tour of West Boise Water Renewal Facility	Section 3	Section 5 - Corrosion Control Methods for Water Storage Tanks						
11:30	Tour of West Boise Water Renewal Facility								
Afternoon Pre-Conference Seminars									
Room	100 D - 126 classroom	100 E - 126 classroom	110 A	110 B	110 C	110 D	120 A	120 B	120 C
Hosting Committee	Water Quality	Water Information Tech							
Seminar	Veolia Treatment Plant Tours	Utilizing Excel to Improve Utility Operations	Water Storage Basics						
1:00	Tour of Veolia's Columbia Water Treatment Plant	Section 4	Section 6 - Sanitary Surveys of Finished Water Storage Section 7 - Pressure Water Storage						
1:30	Tour of Veolia's Columbia Water Treatment Plant								
2:00 - 2:15 Break									
2:15	Tour of Veolia's Columbia Water Treatment Plant	Section 5	Section 8 - Tank Materials Section 9 - Large Reservoirs Section 10 - Reservoir Water Quality						
2:45	Tour of Veolia's Marden Water Treatment Plant								
3:15 - 3:30 Break									
3:30	Tour of Veolia's Marden Water Treatment Plant	Section 6	Section 11 - Inspection of Water Storage Facilities Section 12 - Post Seismic Event Surveys						
4:00	Tour of Veolia's Marden Water Treatment Plant								

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Thursday, May 8, 2005

Morning Early Bird Sessions									
Room	100 D - 126 classroom	100 E - 126 classroom	110 A	110 B	110 C	110 D	120 A	120 B	120 C
Hosting Committee	Engineering		Water Treatment	Public Information	Utility Management	Water Quality	Research		
7:00	I love it when a plan comes together! PDB Delivery for Tigar's Reservoir 18 and Pump Station - Matt Hickey		Strategic Consumer Messaging for Microplastics in Drinking Water - Brent Alsopach	Elevating the Customer Experience - How Tacoma Water Implemented Electronic Notifications for Events Impacting Water Supply - Tyler Cummings	Preparing your Utility for Major Infrastructure Improvements - Kenneth Kvasnicka	PFAS - the Drinking Water Rule - Cassandra Lemmons	Building Treatment Resilience to Wildfires through Conventional Filtration Piloting - Mac Gifford		
7:30	WWSP Res_1.0: Lessons in Seismic Design and Alternative Project Delivery - Kenton Allidritt		What Can UCMRS Tell Us about the Future of PFAS Compliance? - Kyle Thompson	Stakeholder & Customer Education Through StoryMaps - Madeline Wyatt	Sanitary Surveys – a Regional Engineer's Perspective - Laura McLaughlin				
Morning Technical Sessions									
Room	100 D - 126 classroom	100 E - 126 classroom	110 A	110 B	110 C	110 D	120 A	120 B	120 C
Hosting Committee	Engineering	Distribution	Water Treatment	Public Information	Utility Management	Water Quality	Research	Water Information Tech	Water Resources
8:30	Ship in a Bottle: In-Situ Repairs of a Critical Reservoir to Prevent Impending Failure - Nicholas Welling	The Future of Pipe Replacement - Craig Christensen	Zero To Mach 2.5 in 13 Months: Design Build for the Mountain Home Air Force Base Water Treatment Plant Enoch Nicholson	Wastewater Treatment for Watershed Protection - Technical and Regulatory Challenges Post Maui - Chris Einmo	DWSRF Funding and Technical Assistance in Washington State Christopher Pettit	LCRR Implementation in Idaho and LCRI Updates - Cassandra Lemmons	Biological Treatment for Drinking Water - Kelly Evans	Aggressive Planning for a Resilient Water System: The SCADA Roadmap Kelly Kimball	Idaho Washington Aquifer Collaborative - Dan Kegley
9:00	Building for Tomorrow: Replacement of 100-Year-Old Reservoir - Kali Lee		Virtual Vision: Enhancing Water Plant with Digital Simulation and Machine Learning - Qianru Deng		Emerging Funding Trends: How to Optimize Funding Sources for Your Water and Wastewater Utility - Kristina Gillespie-Jagues				
9:30 - 9:45 Break									
9:45	Rehabilitating a Century Old Transmission Main – balancing competing priorities in a 30-year Capital Improvements Plan - David McBride	Proactive Pipeline Management: Gresham's Innovative Approach to Watermain Assessment Using Non-linear Vibroacoustic. - Wendy Andaya	Take it to the Limit! Startup and Commissioning of 12 gpm/sf Deep Bed Filters at the Medford Water Robert A. Duff WTP - Joshua Kennedy	Developing a PFAS Response Roadmap to Maintain Public Trust: Salem's Case Study Tyler Kane	The Yellow Brick Road to PFAS Compliance - Mehrin Selimgir	Oregon Regulation Update - Michelle Byrd	Conquering Stubborn Disinfection By Product Precursors Greg Dye	Bridging the Gap Between Data to Decisions – Streamlined Processing, Review, and Presentation - Ryan Jones	Groundwater Management in California: State of Sustainable Groundwater Management Act (SGMA) Implementation - Gus Tolley
10:15	Dog River Pipeline Replacement: Replacing 100 year wooden pipeline to secure a resilient water future. Part 2 - post construction report. - Brady	Eyes and Ears on Your Water System Ray Velasquez	The Facts about GAC/IX Pressure Vessel Design - Ben Goecke	Maximizing Outreach Success through WAVE: Willingness, Accountability, Visibility, and Empathy Marlys Ryan	Sustaining our Resilient Water Workforce - Kimberly Kelsey			Microbial & Disinfection Byproduct Rules: EPA's Journey to revise: Process, Dreams & Potential Futures Chris McMeen	Life Happens when You're Busy Planning – Leveraging Decision-Making Tools to Implement Dynamic Planning - Matt Huang
10:45 - 11:00 Break									
11:00	What lives below an historic 100-year old reservoir? - Matt Perkins	Proactive Leak Detection and Condition Assessment for Critical Pipeline Assets - Doug McClintic	Navigating Water Treatment Challenges in the Desert: Building a Sustainable Treatment Plant for the Community of LeChee - Jake Himebaugh	Volunteers, Citizen Scientists, and Natural Resource Professionals . . . the Role of Non-Profits in the Protection of Idaho Rivers - Robert Tiedemann	Unconventional Pathways - How Skills from Other Fields Enhance Water Industry Careers - Julia Cummings	USEPA Cybersecurity Guidance for Drinking Water and Wastewater Systems - Karen Edwards-Lindsey	Low wavelength UV water treatment of cyanotoxins - Natalie Hull	Revolutionizing Water Infrastructure by AI-Powered Risk Mitigation Planning - Bridget Garlinghouse	We Have Changed the Trajectory of the ESPA - David Hoekema
11:30	Replacing an Icon: Planning, design, and construction of a new elevated water tower in the City of Idaho Falls - Dennis Galinato	Listen Up: Reverse Water Loss and Improve Operational Efficiency with Embedded Acoustic Leak Detection - Doug W.	Beaches and Backwash Management: Implementing Groundwater Treatment on Orcas Island - Kenny Packard	The Benefits of Banter, Small Talk, Informal Interviews, and Getting to Know You - Joe Miller	Advantages of Collaboration Among Water Purveyors - Lessons From the Formation of the Treasure Valley Domestic Water Purveyors Group - Jason VanGilder		Wildfire impacts on disinfection byproduct formation and precursor removal by powdered activated carbon adsorption, coagulation, and membrane filtration - Kyle Shimabuku	Empowering Staff and Enhancing Retention through Data - Dilip Kumar	Leveraging Groundwater to Support a Long-Term Basin-Scale Water Management and Habitat Improvement Plan - Jeff Dermond
12:00 - 1:30 Vendor Lunch									
Afternoon Technical Sessions									
Room	100 D - 126 classroom	100 E - 126 classroom	110 A	110 B	110 C	110 D	120 A	120 B	120 C
Hosting Committee	Engineering	Distribution	Water Treatment	Conservation	Utility Management	Water Quality	Research	Water Information Tech	Water Resources
1:30	Between design and construction, there is permitting! Benedicte Diakubama	Transmission Main 101 – Considerations with Examples from the Cascade Groundwater Alliance Pipeline Project - Scott Duren	Out with the Old and in with the New! Replacement of Diatomaceous Earth Filtration - Amy Gao	Utilizing AWWA Management Standards for Water Conservation and Efficiency - Mike Buettner	Applying the New Effective Utility Management Framework to Your Utility - Michael Grimm	Dialing in on Disinfection – Evaluation of Alternatives for PUD No. 1 of Skagit County, Part I - Virpi Salo-Zieman	From Crisis to Long-term Resilience: Reflections on the Events Following 2018 Algal Toxin Event in Salem, OR - Jude Grounds	Is It a Model or Is It a Digital Twin? Results of the 2024 AWWA Survey on Water Distribution Technology - Matt Huang	North Santiam Watershed Drought Contingency Planning - Leah Cogan
2:00	Instrumentation & Controls (I&C) 101 - Stephanie McGregor	Pipe Bursting Water Mains - process, design, construction, and model for success - George Mallakis	Utilizing Plate Settler Technology to increase Production Capacity and Water Quality at the Jordan Valley Water Treatment Plant - Jake Himebaugh	Hillsboro's Approach to Water Conservation: Education, Efficiency, and Stewardship - Erin Ruakr	Back to the Future: Ideas for Planning for the Future of Water and Climate Change - John Phillips	Dialing in on Disinfection – Evaluation of Alternatives for PUD No. 1 of Skagit County, Part II - Julia Cummings		Being Prepared! Adaptive Planning for an Uncertain World - Greg Gates	Wildfires and Extreme Weather Events: Preparing for the Future - William Becker
2:30 - 2:45 Break									

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Thursday, May 8, 2005 Continued

Afternoon Technical Sessions

2:45	Under Pressure: Delivering a new 4 MGD WTP, a 2 MG Reservoir, and PS Upgrades on a Small Footprint and Critical Schedule for the Cascade Groundwater Alliance - Pat Van Duser	Shutoff Valves: A Look into the Differences between Resilient Wedge Gate Valves and Butterfly Valves - Matt McQuillan	"Shut it Down!" - Activating an Emergency Intertie for Six Weeks of Planned Treatment Plant Improvements- Adam Bjornstedt	Reducing Water Loss - Stories from the Pacific Northwest - Mike Uthe	Note Taker to Decision Maker? Navigating the Transition Beyond Just a YP - Connor Mancosky	Snake River WTP: Idaho's newest surface water treatment plant - Pierre Kwan	Innovative Natural Treatment Solutions to Protect Streams from Contaminants of Emerging Concern - Tom Points	EPA Cybersecurity Guidance for Drinking Water and Wastewater Systems - Karen Edwards-Lindsey	Using Water Quality Modeling to Improve Wildfire Resiliency - Libby McKenna
3:15	Innovative Solutions for Modernizing the City Creek Water Treatment Plant: Overcoming Project Restraints and Challenges - Jake Himebaugh		Ketchikan Public Utilities' path to becoming the second Limited Alternative to Filtration water system in the US - Enoch Nicholson		Entering the Twilight Zone, a place between reality and fantasy, a place where O&M and Engineering staff work well together. - Laura Farthing	Developing a Nimble Treatability Investigation Program from the Ground Up - Erin Mackey		Surpassing Standards: Elevating Source Water Protection - Elizabeth Crafton	
3:45 - 4:00 Break									
4:00	New 30 MGD Groundwater Treatment Planning, Design, and Construction - Cascade Groundwater Alliance - Jeffrey Fuchs	Fire Hydrants Past, Present and Future - Vaughn Barber	Arlington's Water Legacy: A Two-Phase WTP Expansion for Present and Future Generations - Kevin Garcia	One Water Program Management – A Knowledge Base and Guidance Manual (WRF 5196) - Karen Pappas	Hazard Mitigation Planning for Water/Wastewater Districts - Robert Flaner	Formation of Disinfection Byproducts During Aquifer Storage and Recovery in Basalt - Brad Bessinger	Thermal Loading Regulation and Mitigation for Water Utilities - Rob Annear	Drone LiDAR and Imaging System for Utilities - Michael Ostergaard	Prepare, Prevent, and Post-solve: Navigating the 2024 Alberta drought emergency with modeling exercises - Michael Sheer
4:30	Even Greenfields get the Blues: Site Layout Challenges for the Bull Run Filtration Facility - Jude Grounds		Converting a Splash Pad to a Recycle System - Middleton Idaho's Water Saving Adventure - Jason Van Gilder	Are we getting the most out of our energy efficiency programs? - Robert Barrett	Rise above! Ozone Design for a changing surface water at the Green River Filter Facility - Tessora Young	Optimization of a Water Network - Veolia Water Idaho's path to Efficiency & Savings - Michael Espejo		Utilization of Advanced Organics Characterization Methods to Understand Treatability to Wildfire Events - Lynn Stephens	

Friday, May 9, 2005

Morning Early Bird Sessions

Room	100 D - 126 classroom	100 E - 126 classroom	110 A	110 B	110 C	110 D	120 A	120 B	120 C
<b>Hosting Committee</b>	<b>Engineering</b>		<b>Water Treatment</b>			<b>Research</b>			
7:00	Modeling and Analysis Approaches for Pipelines Subject to Large Deformations - Alyssa Herperger		Don't be Baffled by CT: Optimizing Disinfection through Design and Tracer Studies - Todd Reynolds			Adapting to Change: PFAS Treatment Residuals Management - Liz Garvey			
7:30	Planning for Resiliency and Expansion of a 75 Year Old Water Supply System - Lee Odell		Safe Operation with Ozone Systems - Tessora Young			Lessons Learned in Full-Scale PFAS Residuals Disposal - Pierre Kwan			

Morning Technical Sessions

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<b>Hosting Committee</b>	<b>Engineering</b>	<b>Distribution</b>	<b>Water Treatment</b>	<b>Water Resources</b>	<b>D&amp;I</b>	<b>Water Quality</b>			
8:30	Project Communication and Management in Water Infrastructure Projects - Bill Reynolds	Hydraulic Control Valve Basics: Function and Application - Ray Velasquez	Laying the foundation: Treatment Selection and Design of the City of Vancouver's First PFAS Treatment System - Lynn Stephens	Upper Deschutes Basin Groundwater Mitigation Program: Lessons and Future Opportunities - Owen McMurtrey	Engaging Diverse Voices: Shaping Rate Structures with Community Advisory Panels - Tracy Steele	Utility Success in Overcoming Legionella with Treatment and Operations Improvements - Alex Mofidi			
9:00	Navigating Project Communications for Emerging Young Professionals - Mitchell Boyd		An Improved Approach in Using Pilot/Lab Data to Predict PFAS Removal - Adam Redding	Balancing a High Profile Multifaceted Fixed Price Design-Build Project - Nick Smith	Understanding Strategies for Securing Federal and State Funding Opportunities for Water Projects - Seema Chavan	Presence and treatment of potential opportunistic pathogens that can vary across groundwater geology - Natalie Hull			
9:30 - 9:45 Break									
9:45	Crafting a Project Management Plan to effectively coordinate project team - Daniel Shafar	Decoding Combination Control Valves - Ray Velasquez	Under Pressure – Design Considerations for PFAS Pressure Vessel and Media - Andrew Nishihara	Municipal Water Rights and Development, Lower Clackamas River Litigation Case - Rob Annear	King County's Operator-In-Training Program, Creating a Sustainable Workforce - Robert Tovar	Can NOM Removal Accelerate Passivation of Copper Piping? - Damon Roth			
10:15	Building Teams over Teams and Overcoming Other Collaboration Challenges - Mark Graham		Developing an Implementation Plan for PFAS treatment in Tacoma Water's back-up supply - Joanie Stultz		Shared Leadership, Resilient Communities: Lessons from Leadership Tomorrow's Flagship Program to Empower Water Professionals - Mari Orama	Corrective Actions: Identifying, Investigating, and Resolving Field Sampling Nonconformities - Thomas Krause			
10:45 - 11:00 Break									

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Friday, May 9, 2025 Continued

Morning Technical Sessions									
Room	100 D - 126 classroom	100 E - 126 classroom	110 A	110 B	110 C	110 D	120 A	120 B	120 C
11:00	How the Calleguas Municipal Water District used Value Engineering to Mitigate Risk - Rachel Bernhard	Understanding Air Valve and Check Valve Applications - Ray Velasquez	Complexities of PFAS Treatment in Surface Water - A Pilot-Scale Assessment - Charlie Liu	Water Supply Mitigation Strategies in WA, ID, and OR - Tyson Carlson	What I Wish I Knew Earlier: Leveraging Career Reflections to Be a Better Mentor - Henry Ricca				
11:30	Project Management and Leadership Development Tools for Engineers - Greg Loscher		The next chapter of PFAS: PFAS treatment design and PFAS impacted residuals disposal - Conner Murray						
12:00 - 1:30	Awards Lunch								
Afternoon Technical Sessions									
Room	100 D - 126 classroom	100 E - 126 classroom	110 A	110 B	110 C	110 D	120 A	120 B	120 C
<b>Hosting Committee</b>	<b>Engineering</b>	<b>Distribution</b>	<b>Water Treatment</b>						
1:30	Utilizing GIS to make efficient daily operation decisions - Carlito Tolentino	Pipeline Contingency Planning and Selection of Mechanical Repair Fittings - Mike Scholz	More With Less: Veolia's Columbia Water Treatment Plant Expanded Without Expanding - Roger Greaves						
2:00	Integrated Operations: Incorporating hydraulic modeling into daily and seasonal operations and maintenance -		Columbia River WTP Capacity and Maintenance Upgrades - Nathan Kutil						
2:30 - 2:45 Break									
2:45	Rebuilding Tacoma Water's Hydraulic Model to Embrace SmartWater - Doug Lane	New 2 MG Tank installation replacing 15,000 gallons of storage - and how this has change the operation of the system today - Jessica Waller	Excess Recirculation – A Membrane System's Best Friend - Sean Thomson						
3:15	A Hole in One: A Well Transitions from Golf Course Irrigation to Municipal Production - Zachary Miles	Bainbridge Island 2.0 MG Elevated Storage Tank and PRVs – Reconfiguring the City's Largest Pressure Zone - Justin Ford	Desalination North of the Arctic Circle: Reverse Osmosis System in Remote Alaska - Sanyukta Gokhale						
3:45 - 4:00 Break									
4:00	Parallels Across Hemispheres: How Lessons Learned in Rural Guatemala Apply to Challenges in the US - Luke Thompson	Mitigating Risk: Emergency Planning for Potential Petroleum Pipeline Breaks to Protect Public Health in Spokane - Chris Young	Procurement Strategies for Membrane Filtration Systems - Timothy English						
4:30	Water from Nothing? Facility Potable Water Treatment and Management Design without a Predictable Supply - Heather Burns		Remote Location Pilot Testing of Small Scale Cartridge-Filtration - Eric Molten						