

OR - Oregon  
WA - Washington  
W - Water CEUs  
WW - Wastewater CEUs

### 2021 Eastern Oregon Operators Conference

March 29-31

VIRTUAL



Monday 3/29		Water	Wastewater	Combined A - Both W&WW	Combined B - Both W&WW
8:00 AM	9:00 AM	KEYNOTE Surviving the Rollercoaster of Change KEYNOTE		OR W Jennifer Bouman Steagall, Red Kite Rising OR/WA WW	
9:05 AM	10:05 AM	Hydraulic Control Valve Training Mike Utche, Mueller Water Products OR/WA W	Land-Based Options for Meeting TMDL Challenges Hr 1 Brian Rabe, Cascade Earth Sciences OR/WA WW	OSHA's Focus Four Hr 1 Eric Fullan, Hillsboro OR W BOTH OR/WA WW	Operator Math 1-2 Jadon Herron, Anderson Perry OR/WA W BOTH OR/WA WW
Break					
10:15 AM	11:15 AM	Pressure Pipes Brandon Mahon & Lucas Stangel, AP OR/WA W BOTH OR/WA WW	Land-Based Options for Meeting TMDL Challenges Hr 2 Brian Rabe, Cascade Earth Sciences OR/WA WW	OSHA's Focus Four Hr 2 Eric Fullan, Hillsboro OR W BOTH OR/WA WW	Operator Math 1-2 Jadon Herron, Anderson Perry OR/WA W BOTH OR/WA WW
11:15 AM 11:45 AM Lunch Break					
11:45 AM	12:45 PM	Metering Selection and Conservation Tammy Rogers, Ferguson OR/WA W	Aeration: Why, How and New O&M Realities Hr 1 Randy Chann, BioChem Technology OR/WA WW	Corrosion Protection 101: Controlling Corrosion with Coatings Hr 1 Ron Watts, PPG OR/WA W BOTH OR/WA WW	Operator Math 1-2 Jadon Herron, Anderson Perry OR/WA W BOTH OR/WA WW
12:50 PM	1:50 PM	Control Valves Hr 1 Steven Causeaux/ Robert Velasquez GC Systems OR/WA W	Aeration: Why, How and New O&M Realities Hr 2 Randy Chann, BioChem Technology OR/WA WW	Corrosion Protection 101: Controlling Corrosion with Coatings Hr 2 Ron Watts, PPG OR/WA W BOTH OR/WA WW	Operator Math 3-4 Jadon Herron, Anderson Perry OR/WA W BOTH OR/WA WW
1:50 PM 2:00 PM Break					
2:00 PM	3:00 PM	Control Valves Hr 2 Steven Causeaux/ Robert Velasquez Cimco-GC Systems OR/WA W	Factory of the Future; Next-Generation Controls Randy Chann, BioChem Technology OR/WA WW	Risk Assessments of Underground Vaults Frank Rey, EJ OR/WA W BOTH OR/WA WW	Operator Math 3-4 Jadon Herron, Anderson Perry OR/WA W BOTH OR/WA WW
3:05 PM	4:05 PM	Leak Detection and the Battle against Non-Revenue Water Mike Utche, Mueller Water Products OR/WA W BOTH OR/WA WW	Water Reuse as a Water Management Strategy George Murgel, HECO Engineers OR/WA WW	Checking in on Check Valves: Types and Selection Steve Causeaux Cimco GC Sys OR/WA W BOTH OR/WA WW	Operators Round Table Jeff Brown/Kyle Willman, Pendleton, Rob Cox, Simplot OR W BOTH OR/WA WW
Tuesday 3/30		Water Wastewater		Combined A - Both W&WW	Must be Pre-Registered
8:00 AM	9:00 AM	Flushing & Sampling Geoff Robinson, Frank J Martin OR/WA W	Lagoon Management and Solids Reduction Tanner Hartsock, BioLyneus OR/WA WW	Control Valve Hydraulics, Operation, and Maintenance Robert Velasquez, Cimco-GC Systems OR/WA W BOTH OR/WA WW	Cross Connection Specialist Update BMI OESAC #4095 OR W
9:05 AM	10:05 AM	Lead and Copper Rule Revision 2021 Amy Word, DWS OR/WA W	Proper Nozzles Selection for Sewer and Storm Eric Lundy, Owen Equipment OR WW	Communicating with Engineers - Getting Non-Communicators to Understand Each Other Michael Grimm, West Lope Water Dist OR W BOTH OR/WA WW	Cross Connection Specialist Update BMI OESAC #4095 OR W
10:05 AM 10:15 AM Break					
10:15 AM	11:15 AM	Technology Behind AMR/AMI Kali Koedemir, Nicor Inc OR/WA W BOTH OR/WA WW	Air Mitigation in Liquid Conveyance Systems Geoff Robinson, Frank J Martin OR W BOTH OR/WA WW	How to Cast a Cover in 563 Easy Steps Sue Barmon, Olympic Foundry OR/WA W BOTH OR/WA WW	Cross Connection Specialist Update BMI OESAC #4095 OR W
11:15 AM 11:45 AM Lunch Break					
11:45 AM	12:45 PM	Static Metering Technologies Tim Loosier, Neptune Technology OR/WA W BOTH WA WW	Real World Considerations for pump design, operation and troubleshooting Steve Truitt, Penn Valley Pump Co OR/WA WW	Principles of Backflow Prevention and Pressure Regulation Becky Slabaugh, Mechanical Agents/Wilkins OR/WA W BOTH OR WW	Cross Connection Specialist Update BMI OESAC #4095 OR W
12:50 PM	1:50 PM	Cross Connection and Backflow Protection Certification Overview Molly Keller, DWS OR/WA W	IoT in the Cloud Rick Patton, Advanced Control Sys OR W BOTH OR/WA WW	The Fundamentals of Electrochemistry Mark McElroy, Thermo Fisher Scientific OR/WA W BOTH OR/WA WW	Cross Connection Specialist Update BMI OESAC #4095 OR W
1:50 PM 2:00 PM Break					
2:00 PM	3:00 PM	How to Make Better "Smarter" Pressure Reducing Stations Robert Velasquez, Cimco-GC Systems OR/WA W BOTH OR/WA WW	DEQ Wastewater Operator Certification Basics Paula Carson, DEQ OR WW	Using Oxygen Reduction Potential (ORP) to Pace Chlorine Disinfection Brett Moore, AP Kyle Willman, Pendleton OR/WA W BOTH OR/WA WW	Cross Connection Specialist Update BMI OESAC #4095 OR W
3:05 PM	4:05 PM	Impact of Wildfires on Drinking Water Systems Evan Hofield, DWS OR/WA W	Wipes - Problems and Solutions Brandon Mahon Anderson Perry OR/WA WW	The Science of Polymer Activation Jeff Rhodes, UGSI Solutions Inc OR/WA W BOTH OR/WA WW	
Wednesday 3/31		Water Wastewater		Combined A - Both W&WW	Combined B - Both W&WW
8:00 AM	9:00 AM	Excavation Safety and The Role of the Competent Person Hr 1 Eric Fullan, City of Hillsboro OR/WA W BOTH OR/WA WW	What's New in Lagoon Aeration Systems, is there a better way? Lewis Titus, Titus Industrial Group OR/WA WW	Pump Cavitation Jim Joyce OR/WA W BOTH OR/WA WW	Employee Engagement: Unlock the Secrets of Silent Defectors hr 1 Jennifer Bouman Steagall, Red Kite Rising OR W BOTH OR/WA WW
9:05 AM	10:05 AM	Excavation Safety and The Role of the Competent Person Hr 2 Eric Fullan, City of Hillsboro OR/WA W BOTH OR/WA WW	Chemical Free Odor & FOG Control Lewis Titus, Titus Industrial Group OR/WA WW	Pumping System Troubleshooting for Operators Hr 1 Jason Carman, RCAC OR/WA W BOTH OR/WA WW	Employee Engagement: Unlock the Secrets of Silent Defectors hr 2 Jennifer Bouman Steagall, Red Kite Rising OR W BOTH OR/WA WW
10:05 AM 10:15 AM Break					
10:15 AM	11:15 AM	The top 5 mistakes that public agencies make when hiring an engineer Andy Perry, AP OR W BOTH OR/WA WW	Choosing the Right Blower Technology Tom McCurdy, Aerzen USA Corporation OR/WA WW	Pumping System Troubleshooting for Operators Hr 2 Jason Carman, RCAC OR/WA W BOTH OR/WA WW	
11:15 AM 11:45 AM Lunch Break					
11:45 AM	12:45 PM	On-Site Sodium Hypochlorite Generation as a Safe and Efficient Alternative Ethan Brooke, UGSI OR/WA W BOTH OR/WA WW	Modern Lift Station Design Hr 1 Simon Cartwright, Xylem OR WW	Pumping System Troubleshooting for Operators Hr 3 Jason Carman, RCAC OR/WA W BOTH OR/WA WW	
12:50 PM	1:50 PM	THM Mitigation in Water Distribution Systems through Water Storage Tank Mixing and Aeration Ethan Brooke, UGSI OR/WA W BOTH WW	Modern Lift Station Design Hr 2 Simon Cartwright, Xylem OR WW	Pumping System Troubleshooting for Operators Hr 4 Jason Carman, RCAC OR/WA W BOTH OR/WA WW	
1:50 PM 2:00 PM Break					
2:00 PM	3:00 PM	Water Quality Improvement through Water Storage Tank Mixing Ethan Brooke, UGSI OR/WA W BOTH WW	Monitoring the Solids and Volumetric Flow Consolidation and Nutrient Compliance at a WWTF Zachary Mazur, Centrisys OR/WA WW	Pumping System Troubleshooting for Operators Hr 5 Jason Carman, RCAC OR/WA W BOTH OR/WA WW	
3:05 PM	4:05 PM	Disinfectant Residual Control in Water Distribution Systems Ethan Brooke, UGSI OR/WA W BOTH WW	Introduction to Small MBR Treatment Systems Chris Nally, Cloacina OR/WA WW	Pumping System Troubleshooting for Operators Hr 6 Jason Carman, RCAC OR/WA W BOTH OR/WA WW	