

# 2023 AWWA/PNCWA Cascade to Coast Short School Schedule

| TIME                              | COLLECTIONS  | WASTEWATER  | DISTRIBUTION   | SOURCE/TREATMENT   |
|-----------------------------------|--|---|--|--|
| <b>Tuesday, February 28, 2023</b> |  |   |  |  |
|                                   | ROOM 1   | ROOM 2  | ROOM 3   | ROOM 4   |
| 8:00-9:00                         | Mark Landau/Matt Johnson (City of Monmouth) - Large Fuel Spills and How They Affect Your Water/Wastewater System 0.1 CEU (B) | Max Hildebrand/Bob Esch (City of Corvallis) - Sludge Screen Pilot Project at the City of Corvallis WWRP 0.1 CEU (WW)          | Tim Owens (Correct Equipment) - What if Your Meters Could Hear the Leaks You Can't See 0.1 CEU (W)         | Frank Blaha (The Water Research Foundation) - Wildfire Water Quality and Infrastructure Impacts: Research Findings & Colorado Experience 0.1 CEU (W) |
| 9:10-10:10                        | Dave Olson (Xylem) - Submersible Pumps & Preventative Maintenance 0.1 CEU (B)  | Steve Barnhardt & Spencer Goodro (City of Eugene) - MWMC Renewable Natural Gas Project, An Operators Perspective 0.1 CEU (WW) | Dan Gancher (DN Tanks) Extending the Useful Life of Your Existing Concrete Tank Infrastructure 0.1 CEU (B) | Xue Jin (OSU) - A Multi-Barrier Drinking Water Treatment Process during a Harmful Algal Bloom 0.1 CEU (W)  |
| 10:20-11:20                       | Kelson Redding (Energy 350) - Reduce Operating Costs with Energy Efficiency 0.1 CEU (WW)                                     | Joe Deardorff (City of Albany) - Talking Water Gardens Temperature Treatment Wetland 0.1 CEU (WW)                             | Laura Farthing (EWEB) - The Tale of Two Tanks: Sometimes Its a Blast Sometimes Its Not 0.1 CEU (W)         | Keaton Lesnik (Maia Analytica) - Augmenting Operator Knowledge & Experience with AI & Analytics for Improved Decision Making 0.1 CEU (B)             |
| 11:30-12:30                       | Tim Owens (Correct Equipment) - Cellular Telemetry 0.1 CEU (B)   | Mark Walter (Waterdude Solutions) - Activated Sludge foundations for Process Control 0.1 CEU (WW)                             | Vendor Tour 0.1 CEU (B)  | Tom Pattee (OHA) - Groundwater Basics and Source Water Protection 0.1 CEU (W)  |
| 12:30-1:30                        | <b>LUNCH</b>   | <b>LUNCH</b>  | <b>LUNCH</b>   | <b>LUNCH</b>   |
| 1:30-2:30                         | Frank Dick (City of Vancouver) - Wipes in Our Pipes - Recent Product Labeling Laws 0.1 CEU (WW)                              | Mark Walter (Waterdude Solutions) - Wastewater Treatment Plant Condition Assessment 0.1 CEU (WW)                              | Wade Esplin (Av-Tek Valves) - New Developments for the Humble Butterfly Valve 0.1 CEU (B)                  | Ted Ressler & DeEtta Fosbury - (Summit Water Resources) - Water Use & Well Level Monitoring 0.1 CEU (W)  |
| 2:40-3:40                         | Vendor Tour 0.1 CEU (B)  | Max Hildebrand (City of Corvallis) - Operational Strategies: Part of the Big Picture 0.1 CEU (WW)                             | Rebecca Picton (Edge Analytical Labs) - The Mystery of Water Samples 0.1 CEU (B)                           | Amalia Handler (EPA) - Using Satellite Imagery & National Surveys to ID Lakes at Risk for Toxic Cyanobacteria Blooms 0.1 CEU (W)                     |
| 3:50-4:50                         | Jenna Mariano (Pure Technologies, a Xylem Brand) - Inline Pipeline Inspection: Technologies and Methodologies 0.1 CEU (WW)   | Matt Barrier (Northstar Chemical) - Alternatives to SO2 for Dechlorination 0.1 CEU (WW)                                       | Pierre Kwan (HDR Inc) - Understanding the Lead & Copper Rule Revisions 0.1 CEU (W)                         | Chuck Arrera (Arrera Engineering) - Safe, Non-contact Troubleshooting of Motors & Controls 0.1 CEU (B)   |
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(W) - Water Certification  
 (WW) - Wastewater Certification  
 (B) - Both Water & Wastewater Certification

| TIME                            | COLLECTIONS   | WASTEWATER  | DISTRIBUTION   | SOURCE/TREATMENT   |
|---------------------------------|---|---|--|--|
| <b>Wednesday, March 1, 2023</b> |   |   |  |  |
|                                 | ROOM 1  | ROOM 2  | ROOM 3   | ROOM 4   |
| 8:00-9:00                       | Doug Troyer (Underground Tech) - Manhole and Trenchless Pipe Repair 0.1 CEU (WW)  | Tom Daugherty (Triplepoint Environmental) - Lagoon Rehabilitation Including Cold Weather Nitrification by MBBR 0.1 CEU (WW) | Chass Jones (Cybersecurity and Infrastructure Agency) - Combating Security Threats to Our Critical Water/Wastewater Infrastructure 0.2 CEU (B) | Vendor Tour 0.1 CEU (B)  |
| 9:10-10:10                      | Rich Owens (Owens Pump and Equipment) - Solutions for Pump Plugging 0.1 CEU (WW)  | Johnny Leavy (City of Medford) - Compliance Pitfalls 0.1 CEU (WW)   |  | David Richey (EWEB) - Using ESRI Mobile Applications for Water Quality Source Protection 0.1 CEU (W)   |
| 10:20-11:20                     | Chris Maher (Clean Water Services) - Influent Pump Station Flow Equalization at the Rock Creek AWRRF 0.1 CEU (WW)                 | Vendor Tour 0.1 CEU (B)   | Caleb Anderson (EWEB) - Leveraging GIS for Lead Pipe Tracking & Water Meter GPS Locating 0.1 CEU (W)   | Kim Swan (Clackamas River Water Providers) - Collaborating on Source Water Protection 0.1 CEU (W)  |
| 11:30-12:30                     | Jim Brown (True North Equipment) - Inflow & Infiltration-Manhole Inspections 0.1 CEU (WW)   | Brian Stevens (City of Albany) - Chlorine Chemistry 0.1 CEU (B)   | Vaughn Barber (Kennedy/M&H Valve) - iHydrant Technology 0.1 CEU (W)  | Kimberly Halsey (OSU) - What can Gaseous Chemicals Tell US About Toxic HABs? 0.1 CEU (W)   |
| 12:30-1:30                      | LUNCH   | LUNCH   | LUNCH  | LUNCH  |
| 1:30-2:30                       | Rich Owens (Owens Pump and Equipment) - Package Lift Stations for FAST Retrofits 0.1 CEU (WW)                                     | Chris Maher (Clean Water Services) - Fundamentals of Oxygen Transfer and Biological Growth Kinetics 0.1 CEU (WW)            | Christian James (Oregon OSHA) - Confined Spaces & Excavation Hazards 0.1 CEU (B)   | Bryan Phinney & Jesse Fields (Keller Associates) - Amity Water System Improvements Project 0.1 CEU (W)   |
| 2:40-3:40                       | Simon Cartwright (Xylem) - Intelligent Wastewater Pumping - Station, Pump & Control Considerations for Your Next RFP 0.2 CEU (WW) | Emma Prichard (Oregon DEQ) - Sampling Wastewater and Streams for NPDES and WPCF Permits 0.1 CEU (WW)                        | Bryan Phinney & Dylan Carey (Keller Associates) Amador Water Agency Disinfection Byproduct Study 0.1 CEU (W)                                   | Julie Harvey (Oregon DEQ) - Source Water Protection - Evaluating Risks & Building Water System Resiliency Using Natural Infrastructure 0.1 CEU (W) |
| 3:50-4:50                       |   | Chris Maher (Clean Water Services) - Chemical Treatment Fundamentals 0.1 CEU (WW)   | Matthew McQuillan (Mueller Water Products) - Shutoff & Check Valves 0.1 CEU (B)  | Jason Bock (GRI) - WWSP, Raw Water Facility, Geotechnical & Seismic Improvements 0.1 CEU (W)   |
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| TIME                           | COLLECTIONS  | WASTEWATER   | DISTRIBUTION   | SOURCE/TREATMENT   |
|--------------------------------|--|--|--|--|
| <b>Thursday, March 2, 2023</b> |  |  |  |  |
|                                | ROOM 1   | ROOM 2   | ROOM 3   | ROOM 4   |
| 8:00-9:00                      | Zach Toney (K&E Evcavation) - Pump Station & Wastewater Construction 0.1 CEU (WW)  | Brian Stevens (City of Albany) - Wastewater Operator Roundtable 0.1 CEU (WW)   | Jeremiah Hunt (EWEB) - When your Drinking Water System is Compromised 0.4 CEUs (B) | Spencer Adams (Jacobs) - Basics of Ozone Disinfection in Drinking Water Treatment 0.1 CEU (W)  |
| 9:10-10:10                     | David Twenge (City of Albany) - Wastewater Collections Asset Management in Albany, OR 0.1 CEU (WW)   | Charles Wright (Kennedy Jenks) & Brian Stevens (City of Albany) - Albany WRF Dewatering and Compost Upgrade 0.1 CEU (WW) |  | Spencer Adams (Jacobs) - Planning a Full Scale Plant Hydraulic Test at Maximum Instantaneous Capacity 0.1 CEU (W)  |
| 10:20-11:20                    | Stephanie Kerns (City of Newport) - Working Towards Compliance: Case Study and Industrial Pretreatment Program Development 0.1 CEU (WW)  | Kimi Grzyb (Oregon DEQ) - Oregon DEQ OpCert Basics 0.1 CEU (WW)  |  | Chris Collins (Lower Columbia Estuary Partnership) - Steigerwald Reconnection Project 0.1 CEU (W)  |
| 11:30-12:30                    | Brian Stevens (City of Albany) Utility Operator Math 0.1 CEU (B)   | Jessica Lorenz (Oregon DEQ) - Your DEQ Online (YDO) 0.1 CEU (WW)   |  | Kelly Missett (U of O Oregon Hazards Lab ) Preparing for the Big One: Integrating Earthquake Early Warning Technology into Your Infrastructure 0.1 CEU (B) |
| 12:30-1:30                     | LUNCH  | LUNCH  | LUNCH  | LUNCH  |
| 1:30-2:30                      | City of Salem's Willow Lake Water Pollution Control Facility Tour 0.1 CEU (WW)   |  | City of Salem Geren Island Water Treatment Plant Tour 0.1 CEU (W)                  |  |
| 3:30-4:30                      | City of Jefferson Wastewater Facility Tour 0.1 CEU (WW)  |  | City of Jefferson Water Treatment Facility Tour 0.1 CEU (W)                        |  |
|                                |  |  |  |  |
|                                | *Back-up Classes   |  |  |  |
|                                | Mark McGuire & Lisa Erkert (EWEB) Water Operators Roundtable 0.1 CEU (W)   |  |  |  |
|                                | City of Aumsville Wastewater Treatment Plant Tour 0.1 CEU (WW) (Back-up for City of Salem's Willow Lake Water Pollution Control Facility Tour if inclement weather) 0.1 CEU (WW) |  |  |  |
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