

22nd Annual End of Year Operator's Conference

Best Western Hood River Inn, Hood River, Oregon • December 7–10, 2020
Earn up to 2.1 CEUs in either Water or Wastewater

**Attention Water and
Wastewater Departments**
When finished reading, please
route to manager(s), operators,
city recorder and/or board members.



Oregon Association of Water Utilities
935 N. Main St.
Independence, OR 97351
503-837-1212 Fax 503-837-1213
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22nd Annual End of Year Operator's Conference

December 7–10, 2020 • Best Western Hood River Inn
1108 E. Marina Way, Hood River, Oregon 97031

ACCOMMODATIONS: (800) 828-7873

Guest room block available until November 20, 2020. When calling to reserve, identify yourself as an attendee of the OAWU Operator's Conference. Rates are dual occupancy; additional person \$15.

Standard/Queen: \$109 + tax per night • Standard/Nonview \$119 + tax per night • Riverview King/Queen \$145 + tax per night

Please use one form for each person attending (photocopy additional forms as needed).

Full Name _____

Water Certification # _____ Wastewater Certification # _____ ☐ Working toward certification

System Name _____

System Address _____

City _____ State _____ Zip _____

System Phone _____ System Email _____

Pre-Conference (Monday, 0.6 CEUs)

Course (check box for course attending)	Fee	Subtotal
<input type="checkbox"/> Effective Utility Management (0.6 Water/Wastewater CEUs)	FREE	FREE
PRE-CONFERENCE TOTAL		

Full Conference (Tuesday–Thursday, 2.1 CEUs) ESAC #4226

Conference Registration <i>Includes training sessions, coffee and donuts, and lunch each day</i>	Early Bird (postmarked by Nov. 6)	Standard (postmarked after Nov. 6)	Subtotal
OAWU Member	\$315	\$345	
Non-Member <i>(non-members receive one-year individual membership with conference registration)</i>	\$415	\$445	
TOTAL REGISTRATION FEES			

TOTAL CONFERENCE FEES

☐ Payment Enclosed ☐ Purchase Order: PO # _____ ☐ Please Invoice

If paying by credit card, please call the OAWU office for processing and receipt.

☐ Email receipt to: _____ ☐ Fax receipt to: _____

Confirmation & Cancellation

No refunds will be issued and a regular registration fee will be billed for those who fail to attend and do not give the OAWU office a seven-day prior notice (no later than November 30, 2020).

Please keep a copy of your registration form or contact the OAWU office at 503-837-1212 for confirmation.

SEND REGISTRATION FORM AND FEES TO:

Email to: office@oawu.net | Mail: OAWU, 935 N. Main Street, Independence, OR, 97351 | Fax: 503-837-1213

MONDAY, DECEMBER 7, 2020**0.6 CEUS**

09:00 AM–4:45 PM

Effective Utility Management

Water and wastewater facility challenges such as aging infrastructure, growth, and adequate revenues that reflect true operational costs today and in the future. Review ten key management areas, assessing your strengths and weaknesses with a framework of a well-rounded water and wastewater utility management approach.

Scott Berry and Jeff Crowther, OAWU

W/WW

TUESDAY, DECEMBER 8, 2020**0.7 CEUS**

08:00–8:30 AM

REGISTRATION & INTRODUCTION

08:30–10:15 AM

Proper Specialty Valve Selection

Pros, cons, and proper application of check, control, and other specialty valves. Reviewing their operation and maintenance. *Steve Causseaux, Cimco-GC Systems*

W/WW

10:15–10:30 AM

BREAK

10:30–12:00 PM

Pipe Management Tool Selection

The history of pipe bursting and piercing tools in the municipal market and discuss the use of different types of equipment available and their benefits. *Scott Bevins, Ditch Witch West*

W/WW

12:00–1:00 PM

LUNCH PROVIDED

1:00–3:00 PM

Communicating with Engineers

Getting our point across in a technical world is vital to any engineered water or wastewater project. Methods to be clear and concise so that the engineer can understand what we want at our systems.

Mike Grimm, West Slope Water District

W/WW

3:00–3:15 PM

BREAK

3:15–5:00 PM

System Management for Water Loss Control

We will review Oregon's new water loss control rules, the AWWA water audit process, how these methods support water system management and methods for identifying and reducing apparent water loss to determine real water loss.

Michele Harvey, Badger Meter Inc.

W

Wastewater Modeling Process and Benefits

Wastewater modeling, including flow monitoring requirements, and the benefits of a working model regarding inflow & infiltration rehab, planning and development studies and future flow predictions for design storms and urban growth boundary expansions.

Samuel Novac, Novac Industries LLC

WW



	WATER	WASTEWATER
08:00–10:00 AM	Water Loss Reduction Pressure management and how using control valves, demand-based set points, and DMAs can reduce water loss. Active leak control remotely to catch leaks. Speed and quality of repairs to existing leaks and pipeline, asset management process, and how to plan a replacement program. <i>Mike Uthe, Mueller</i>	Phase Assessments for Sewer Systems Review the history of sanitary sewers, reasons for inspections assessments, identifying defects that better assist in management planning, prioritizing renovation of the collection system. <i>Jim Brown, True North Equipment</i>
10:00–10:15 AM	BREAK	
10:15–12:00 PM	Submersibles, End of Suction Pumps Water and wastewater pump maintenance, equipment used, the how and way to go about typical maintenance and fixing/ replacement of these pumps. <i>Mark Carroll, Hurley Engineering</i>	Changing World of Pretreatment What should we be doing to combat the changing world of wastewater regulations and what to expect moving forward? <i>Tanner Hartsock, BioLynceus LLC</i>
12:00–1:00 PM	LUNCH PROVIDED	
1:00–3:00 PM	Hydrants and Valves A Hands-on class focusing on repair assembly of fire hydrants and specific valves and the proper application as it relates to maintenance. <i>Brian Anderson, American Flow Control</i>	Lagoon Management and Solids Reduction Discuss the basics of current lagoon management, from toxic surges to controlling solids, preparing for the future with better certainty. <i>Tanner Hartsock, BioLynceus LLC</i>
3:00–3:15 PM	BREAK	
3:15–5:00 PM	Your Smart Water Journey From mobile systems to Smart Water managed solutions with all of the steps in-between. Define what a smart utility really means and the next step—no matter what that is for you. We will also examine the features and benefits of various data collection and data management methods to find the best solution for your utility and customers. <i>Tim Loosier, Neptune Technology Group</i>	Collections Plugging Solutions and Industrial WW Pre-Treatment Various pump application prevents collection systems from plugging, discussion will focus on concept and design. Industrial pre-treatment options for the future and the role upcoming technologies and what could replace existing standards. <i>Rich Owens, Owens Pump & Equipment</i>

08:00–09:30 AM	Corrosion Protection 101 How to mitigate for corrosion in water and wastewater by using proper coatings and lining materials. Preparing substrates and choosing materials for maximum service life; Assessing and Identifying service environments and developing systems and choices based on project timelines, service life and budgetary objectives. <i>Ron Watts, PPG Industries</i>
09:30–10:00 AM	BREAK
10:00–12:00 PM	Asset Management Step through the “normal” day of an operator to show how we can develop a prioritization list of system components, preventative maintenance schedules, repairs, and needed replacements for the sustainability of the system to inform managers and directors, as well as provide periodic reminders for operations staff. <i>Jim Shaver, Pace Engineering</i>
12:00–1:00 PM	LUNCH PROVIDED
1:00–2:30 PM	5 Ss to Excavation Safety Role of competent person, underground installations, access & egress, vehicular traffic, hazardous atmospheres, stability of adjacent structures, protection from loose soil, inspections & fall protection. <i>Eric Fullan, City of Hillsboro</i>
2:30–2:45 PM	BREAK
2:45–4:15 PM	Eric Fullan–5-Ss to Excavation Safety (continued)

