

OAWU's Annual End of Year Operator's Conference



Best Western Hood River Inn, Hood River, Oregon • December 6–9, 2021
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
Address Service Requested



PRSRT STD
U.S. POSTAGE
PAID
SALEM, OR
PERMIT NO. 463



OAWU's Annual End of Year Operator's Conference

December 6–9, 2021 • 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.

Nonview Two Queen \$119 + tax per night • Nonview King \$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 #4533

Conference Registration <i>Includes training sessions, coffee and donuts, and lunch each day</i>	Early Bird (postmarked by Nov. 4)	Standard (postmarked after Nov. 4)	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 after submitting your registration form.

☐ 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 notice seven days prior to the start of the conference.

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 6, 2021**0.6 CEUS**

09:00 AM–4:45 PM

Effective Utility Management

Take part in a workshop for success at your water and wastewater facility. Look at challenges such as aging infrastructure, growth, and adequate revenues that reflect true operational costs today and in the future. At this workshop, you will be involved in ten key management areas, assessing your strengths and weaknesses with a framework conducive. For a well-rounded water and wastewater utility management approach.

Scott Berry, OAWU

W/WW

TUESDAY, DECEMBER 7, 2021**0.75 CEUS**

07:45–8:00 AM

REGISTRATION & INTRODUCTION

08:00–10:00 AM

Proper Specialty Valve Selection

The pros and cons of check valves, applications, operations and maintenance and what to expect in the field. Specialty valves that perform a variety of functions and their limitations and advantages.

Causseaux, Cimco-GC Systems

W/WW

10:00–10:15 AM

BREAK

10:15–12:00 PM

Pipe Management Tool Selection

The history and proper use of pipe bursting and piercing tools in the municipal market and the types of equipment available and benefits of each type.

Scott Bevins, Ditchwitch West

W/WW

Locating Basics

Damaging other utilities is extremely costly to the water and wastewater industries. The basics of how to properly find buried utilities to avoid costly repair bills.

Doug Dato, Trade Tool

W/WW

12:00–1:00 PM

LUNCH PROVIDED

1:00–3:00 PM

Service of Submersibles and End of Suction Pumps

Review of water and wastewater pump maintenance, equipment used, the how and way to go about typical maintenance and replacement.

Mark Carroll, Hurley Engineering

W/WW

Air Driven Floating Aerators/Mixers

New methods for efficient lagoon aeration and mixing. Chemical free odor control along conveyance systems case studies on de-centralized systems, and incorporating technologies such as aeration, ozone, & mixing.

Lewis Titus, Titus Industries

WW

3:00–3:15 PM

BREAK

3:15–5:00 PM

Communicating with Engineers

Effective ways to communicate with engineers. Getting your point across in a technical world is vital to any water and wastewater project. Learn 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

Wastewater Modeling Process and Benefits

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 to use control valves, demand-based set points, and DMAs. Active leakage control and how monitoring systems can help remotely catch leaks before they become catastrophic. <i>Mike Uthe, Mueller</i> w	Phase Assessments for Sewer Systems Review the history of sanitary sewers, reasons for assessments. Identify defects that better assist in management planning. <i>Jim Brown, True North Equipment</i> ww
10:00–10:15 AM	BREAK	
10:15–12:00 PM	Water Production – Cost per Unit Moving water will cost money! How we move water is dependent on type of source, quantity of water, location of diversion and proper equipment used. Maintaining the equipment is a key factor when comparing gallons to kilowatts. <i>Kriss Schneider, Schneider Equipment</i> w	Changing World of Pretreatment What should you be doing to combat the changing world of wastewater regulations and what to expect moving forward? <i>Tanner Hartsock, BioLynceus LLC</i> ww
12:00–1:00 PM	LUNCH PROVIDED	
1:00–3:00 PM	Hydrants and Valves Hands-on class looking at repair assembly of fire hydrants and specific valves and proper application as it relates to operations and maintenance. <i>Brian Anderson, American Flow Control</i> w	Lagoon Management/Solids Reduction Discuss the basics of current lagoon management, from toxic surges to controlling solids, and preparing for the future with better certainty. <i>Tanner Hartsock, BioLynceus LLC</i> ww
3:00–3:15 PM	BREAK	
3:15–5:00 PM	Flushing and Sampling From water quality testing, flushing procedures and obtaining the goal of keeping high quality water, explore the methods put in place to achieve your goals. <i>Geoff Robinson, FJ Martin</i> w	Collections Plugging Solutions Proper pump applications prevents collection systems from plugging, industrial pre-treatment options for the future, technologies and standards. <i>Rich Owens, Owens Pump & Equipment</i> ww

08:00–09:45 AM	Corrosion Protection 101 An overview of corrosion in water and waste applications, and how it can be mitigated by using proper coatings and linings materials. Preparing substrates and choosing proper materials for maximum service life. Assessing and identifying service environments and developing systems and choices. <i>Ron Watts, PPG Industries</i> w/ww
09:45–10:00 AM	BREAK
10:00–12:00 PM	Asset Management By stepping through the “normal” day of a w/ww operator we will show how you can develop a prioritization list of system components, mandatory preventative maintenance schedules, repairs, and needed replacements for the system. <i>Jim Shaver, Pace Engineering</i> w/ww
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> w/ww
2:30–2:45 PM	BREAK
2:45–4:15 PM	Eric Fullan–5-Ss to Excavation Safety (continued) w/ww

