OREGON ASSOCIATION OF WATER UTILITIES

47th Annual Management & Technical Conference

March 3-7, 2025 • Sunriver Resort



REGISTRATION INFORMATION & SCHEDULE

Conference Events & Information

Monday, March 3, 2025, Pre-Conference Classes

For those who want to earn extra CEUs, register for one of the Monday sessions. For more information, see the Monday Pre-Conference Schedule on page 3 and registration on page 7.

Tuesday-Friday, March 4-7, 2025 Full Conference Classes, CEUs and Meals

Tuesday-Friday includes a variety of concurrent classes available with the ability to earn up to 2.4 CEUs. For specific CEUs, please see the full conference schedule. Full conference meals include 3 breakfasts, 3 lunches, awards banquet dinner, and 1 evening deli bar.



Lodging

Please make your room reservations with Sunriver Resort by calling 855-420-8206. Call on or before February 9, 2025 and identify yourself with the OAWU conference to receive lodging discounts (plus tax & resort fees).

Lodge Village Guestrooms: Single \$139

Annual Banquet and Awards Program

Wednesday 6-9 pm; no-host bar 5:30-6 pm

The 2024 awards to be presented during the banquet are water, wastewater, manager and/or office manager, rookie, associate member, and friend of rural water.

Nominations for 2024 Awards

Recognize the outstanding employees at your utility for professional excellence and service in 2024. Please submit your nomination(s) for these awards no later than February 3, 2025. Nomination forms are available online at www.oawu.net or through the OAWU office.

Annual Best Tasting Water in Oregon

Join OAWU in their 30th year conducting the contest for the "Best Tasting Water in Oregon" and find out whose water will win a trip to Washington, D.C. to compete in the National Best Tasting Water contest. For the Oregon contest rules and information, see the last page of this flier or contact the OAWU office at (503) 837-1212.



Game Tournaments

Practice your ping-pong, cribbage, and cornhole for the annual tournament to be held in Homestead Hall during breaks and the Hospitality Night Social.

ENTERTAINMENT FOR BANQUET BINGO NIGHT CASH PRIZES

Hospitality Night Social



Join OAWU Thursday for Exhibitor Hospitality Night!

Costume contest— Favorite Sports Team Fan

Thursday in Homestead Hall, 5:30–8 pm. There will be a no-host bar, beer kegs and exhibitor raffle prizes. You must be present to win exhibitor raffle prizes.

Music in the Owl's Nest begins at 8:30 pm.

Exhibit Hours:

Wednesday 11:30 am - 5 pm & Thursday 7 am - 8 pm

Monday, March 3, 2025 Pre-Conference Schedule

0.6 Total CEUs

8:00 AM - 12:00 PM GREAT HALL Risk Assessment and **Emergency Response**

How to complete a risk assessment and be proactive and prepared for an emergency at your water and wastewater system. 0.4 W/WW

Scott Berry, OAWU

1:00 PM - 4:00 PM

Emerging Contaminants PFOS Workshope

Class will provide an overview of sources and treatment options as well as current trends in regulations.

Keith Bedell, OAWU

Landmark I/II

ESAC #TBA

9:00 AM - 4:00 PM **Small Water System Training Course**

This course will cover the basics of water system operations. A review of the SDWA Amendments, the State Revolving Loan Fund, and security issues. Review of technical, managerial and financial needs of a small system. Tim Tice, OAWU

0.6 W

HERITAGE I **Cross Connection**

Specialist Update

Garrett Yates, BMI

Obtain your Cross Connection Specialist updates and any updates on the cross connection program.

ESAC #TBA

0.6 W

9:00 AM - 4:45 PM HERITAGE II 8:00 AM - 1:15 PM

Flagger Certification -**ODOT Course**

Attend this ODOT flagger course to obtain flagger requirements. Attendees completing this course and exam become an ODOT certified flagger. Bill Buterbaugh, ODOT

ESAC #TBA 0.5 W/WW

Tuesday, March 4, 2025 Conference Schedule

Registration Desk Open 8 am-5 pm

0.575 Total CEUs

W/WW

W/WW

10-10:30 am GREAT HALL Welcome & Pledge of Allegiance OAWU Board President Matt Johnson

Opening Session: Utility Leadership

Maximizing growth opportunities through delegation & responsibility while improving your team's depth of experience, knowledge and reliability. Jason Green, OAWU Executive Director

National Rural Water Association Update 10:30-11 am GREAT HALL

The State of Water & Wastewater at the national level. Russ Cooper, NRWA Director, City of Monmouth. W/WW

11 am-12 **GREAT HALL** pm

Legislative Update

The latest issues of the State Legislature activities concerning water and wastewater utilities.

Mark Landauer, OAWU/SDAO Lobbyist

W/WW

12 pm-1 pm HOMESTEAD **Lunch Break**

GREAT HALL

Locating the Unknown

Conventional methods of locating with standard pipe and cable locators and new methods for the pipe that just doesn't want located and found. .

Nick Frappier, NW Hydrovac

LANDMARK I/II

Control Valve Function, Maintenance, & Troubleshooting

Basic hydraulics, valve function, pilot system function, valve components, pressure reducing valves, maintenance, as well as troubleshooting on hydraulic control valves. Patrick Miller, CIMCO-GC System

HERITAGE I

Pumps & Related Equipment

Pump basics, everything from type, size, maintenance, understanding pump curves and more. Lee Vernam, Pump Consulting Firm HERITAGE II

Strategies for Managing **Aging Infrastructure**

A small municipality's struggles and adventures of developing an executable plan for managing our aging water and sewer systems. Real world, day to day operations and master planning. Leo Newberg, Inn at Otter Crest

W/WW

GREAT HALL LOBBY 2:45-3 pm **Break**

W/WW

GREAT HALL

System O&M

Successfully operate and maintain a water and/or wastewater system. Everything from paperwork you keep, critical parts inventory, budget, training, staff succession, outlining and delegating tasks, monthly reports and tracking, staff and council/board communication and public relations. OAWU Board (Mike Edwards and Matt Johnson)

LANDMARK I/II

A Safe & Cost-Effective Disinfection

On-site hypochlorite generation (OSHG) systems investing in the safety of operations staff and surrounding community while simultaneously providing a positive return on that investment. Unveiling the Science of Polymer Activation Optimization of polymer use in water and wastewater treatment processes remains a challenge, select suitable polymer and employing appropriate mixing technologies. Heley Goddard, Cleanwater1 w/ww HERITAGE I

Active Shooter

Today you are 18 times more likely to experience workplace violence than a fire. OSHA requires all employees to have Emergency Action Plans including a written plan and training for an Active Shooter event, Construct a plan for your water or wastewater system. What to expect when police arrive, conduct a head count and train employees how to respond to an Active Shooter using the "Run, Hide, Fight" protocol.

Ray Johnson, BMI, Inc.

HERITAGE II

w/ww

W/WW/OS

Confined Space

The ins and outs of confined space entry and a hands-on portion to see and use the applicable equipment. Bill Buterbaugh, ODOT

w/ww

5-5:30 pm HERITAGE I **Annual OAWU Game Tournament Meeting**

5:30-6 pm LANDMARK I/II **Annual Membership Business Meeting** 7-8 am

HOMESTEAD

Breakfast

GREAT HALL

Utility Maintenance

Navigate the waters of Utility Maintenance as Jake reflects on a year in the field of Utilities. Jake will discuss topics of Leak Detection, Valve Maintenance, GIS Integration, and other troubleshooting scenarios, bringing a fresh perspective and helpful tips for operators.

Jake Obrist, City of Bend

w/ww

LANDMARK I/II

Decoding Combination Control Valves

Automatic control valves with multiple pilots and functions. Aimed towards the more experienced operator, this course will review basic valve functions then look at the difference between hydraulic override and hydraulic backup.

Patrick Miller, CIMCO-GC Systems w/ww HERITAGE I

The Role of Smart Tanks in Distribution Water **Quality Management**

Today, the two most common distribution network violations that water utilities contend with are disinfection by products (DBPs) and violations of the Revised Total Coliform Rule. Switch to Chloramine? Chloramine levels remain. difficult to maintain in networks due to their unique chemistry and degradation mechanisms.

Heley Goddard, Cleanwater1

HERITAGE II

Overcoming Telemetry & SCADA Issues for Remote Sites

With hands-on demonstrations and troubleshooting exercises, participants will explore key principles of hub/ spoke communication models, cellular telemetry, and SCADA integration. Optimize data collection, improve system uptime, and reduce manual site

Jonathan Frank, Advanced Control Systems W/WW

9-9:15 am

GREAT HALL

Break

GREAT HALL

I Scream, You Scream, We **All Scream About PFAS!**

Poly- and perfluoroalkyl substances (PFAS). We'll discuss what an operator needs to understand and how to talk to the engineers. We'll also discuss what new technologies are reliable and what's on the cutting edge for treatment. Heather Jennings, Huma Environmental

GREAT HALL

w/ww

LANDMARK I/II

Locating 101

Nearly a billion dollars in damages occur to underground water utilities each year in the USA due to inability or failure to locate pipelines. Some municipalities use a variety of different locating methods to find pipelines. The Science Behind Using Tracer Wire to Locate Pipelines.

Patrick Miller, CIMCO-GC Systems

W/WW

HERITAGE I

Water Right Transfers

Consideration for how, the requirements for and when you can complete different types of transfers. Laura Schroeder, Schroeder Law

Offices

HERITAGE II

Basics of Membrane Bioreactor (MBR) Technology

Overview of Membrane Bioreactor (MBR) technology, covering key aspects of its design, operation, and troubleshooting. Produce effluent that meets Class A recycled water standard. Achieve nitrogen and phosphorus limits. Hiro Kuge, KUBOTA Membrane USA Corporation ww

10:15-10:30 am **GREAT HALL**

Break

New Locater Technology

Look at new locator technology, how it is used, and what pipe and location it will work best.

Scott Bevens, Ditch Witch West.

w/ww

Landmark I/II

Confined Space & Hydrant & Valving Needs

This class will cover safety concerns and utility needs for entering and working around a confined space. Then will look at basic hydrant and valve use, maintenance, and repair. Frank Ray, EJ W/WW HERITAGE I

Water Management & **Conservation Plan**

WMCP overview, when it is required, and the steps necessary to complete them.

Laura Schroeder, Schroeder Law Offices

HERITAGE II

Sunriver Wastewater Plant Tour

See the real-life examples of a Conventional Activated Sludge System was upgraded into Membrane System Andy Carlton, Sunriver LLC ww

12-1 pm

HOMESTEAD

Lunch Break • Exhibits Open • Game Tournaments

GREAT HALL

Tip Selection and Vactor Trucks

Hydro excavation, new technology, proper methods, equipment used, safety, and the use and applicability of different nozzle types. Tips, Tricks & Safety.

Shawn Patrick & Dan Nelson, Owens Equipment

W/WW

W/WW

LANDMARK I/II

Source Water Protection and System Regulation

A look into source water protection and water system regulation/ management/operation Shersten Finley & Russ Kazmierczak OR-OHA

HERITAGE I

Groundwater Treatment Issues

How to treat Iron, Manganese, PFAS, Arsenic, Nitrate, and more. Lee Odell, Goble Sampson

HERITAGE II

Protecting the Collection System

What to look for in storm or sanitary sewer systems and a look at technologies available to protect and extend the life of your infrastructure. Possibly with a live demo.

Doug Troyer, Underground Tech ww

3-3:30 pm

HOMESTEAD

Break • Exhibits • Game Tournaments

GREAT HALL

Injection Quills & Static Mixers in Chemical Dosing

Chemical dosing in water treatment, the particulars of physically introducing chemical feeds into process flows involve specialized equipment in the form of injection quills and static mixers. Improve efficiency of a chemical dosing plan.

David Ballard, SAF-T-FLO Chemical Injection - Matthew Peters, Westfall Manufacturing

LANDMARK I/II

Cybersecurity

Real life example of cybersecurity & what that looks like for your water or wastewater utility. Dan Briley, Summit Security Co.

HERITAGE I

AMI's Role in Your World

Technology advances can provide a critical role in your day to day. We will explore the many options available and how they will benefit your team and your customers! Pat Hart, HD Fowler

HERITAGE II

Intelligent Pumping Systems

How to utilize the technology to meet our goals..

Simon Cartwright, Xylem-Flygt

W/WW

5:30-6 pm **GREAT HALL LOBBY**

No-Host Meet & Greet

6-9 pm **GREAT HALL** **Annual Banquet & Awards Program**

W/WW

hursday, March 6, 20	25 Conference Schedule	Exhibition Hours 7 am to 8 pm 0.675 Total C				
-8 am HOMESTEAD	Breakfast • Exhibits • Game To	ournaments				
GREAT HALL Basic Math for Water/ Wastewater Operators Water and wastewater math problems typically encountered in the Level I & II certification exams. Percent and proportions and solving for X, volumes, detention, flow calculations, hydraulic and organic loading. Bring reliable calculators and notebooks to the workshop. Tim Anderson, Wastewater Solutions International w/ww	LANDMARK I/II Microplastics This emerging contaminant is a pollutant that can have negative impacts, let's look at what they are and how we may be able to treat for them in a water or wastewater system. Heather Jennings, Huma Environmental	HERITAGE I Easements Obtaining or expanding easements for water and wastewater infrastructure maintenance, repair or replacement. Laura Schroeder, Schroeder Law Offices, P.C. W/ww	HERITAGE II YDO for DMRs How to use Your DEQ Online to to out your DMRs. Martina Frey, Mark Bentz, DEQ			
Great Hall	LANDMARK I/II Cyber Security Threats & Best	Heritage I Hydrant History	HERITAGE II			
Basic Math for Operators continued W/W	Practices for the Water Sector CISA has identified the Water/Wastewater sector as a high priority. General cyber threats and more specifically, on OT cyber- security best practices and current threats. Leslie Kainoa, Cybersecurity and	Some current model O&M and finish with the future of fire hydrants and emerging pressure monitoring features and benefits. Vaughn Barber, M&H/Kennedy Valve Co. W	What to Expect When You Are Inspected Review what DEQ will expect and be reviewing at your system during an inspection. Tiffany Yelton-Bram, DEQ			
0:30-11:00 am HOMESTEAD	Break • Exhibits • Game Tourn	aments				
GREAT HALL Basic Math for Operators continued W/WW	LANDMARK I/II Sampling and Laboratory Work; Client & Laboratory Relationship "How-to" for laboratory paperwork, sample acceptance policies, sampling locations per State requirements, OHA website navigation, laboratory procedures, UCMR5 PFAS sampling requirement overview, wastewater sampling, bottle ware, and the importance of the client and laboratory relationship. Michelle Angland, Edge Analytical Bend	Water Flow Meter Specifying and understanding water flow meters. Phil Pelletier, Furrow Pump	DEQ Wastewater Operator Certification Basics This presentation will cover the application and certification process tips to avoid mistakes, an overview owhere to find the information you non DEQ's website, and an opportunifor program feedback. Kimi Gryzb DEQ			
2–1:30 pm Homestead Great Hall Lo		Tournaments Learn the latest applic and wastewater industry. Lunch served				
GREAT HALL Basic Math for Operators continued	LANDMARK I/II Financial Roundtable Panel Discussion of funding opportunities for water and wastewater systems. Concludes with Q&A to allow systems to discuss their specific projects. Kim Young, USDA; Capi Lewis, IFA; CoBank, Tom Puttman, Puttman Infrastructure; Tony Fields, OHA W/WW	HERITAGE I Water Rights 101 For small groups domestics and quasi municipals, WMCPs, & Proving up on Permits. Jeremy Giffin, Carolyn Sufit, OWRD	HERITAGE II Nite/Denite the Teeter Totter of Wastewater Learning how to balance the needs of both microorganisms while dealin with BOD reduction. We'll cover the specific requirements for these little divas, discuss troubleshooting and h to get them back. Heather Jenning: Huma Environmental			
45–3:30 pm Homestead	Break • Exhibits • Game Tourn	aments				
GREAT HALL Basic Math for Operators continued W/W	LANDMARK I/II Analytic sensors to the Next Level How to troubleshoot and take instant readings from your equipment. Rich Owens, Owens Pump & Equipment W/WW	HERITAGE I Certification Updates Reviewing certification rules and requirements for water distribution and treatment certifications. Tony Fields, OHA w	HERITAGE II Operator Certification Basics The application and certification process, tips to avoid mistakes, an overview of DEQ's website, and an opportunity for program feedback. Tiffany Yelton-Bram, DEQ			
30–8 pm Homestead	Hospitality Night: Raffle I	Drawings, Prize Drawings & C	Game Tournament Finals			
30 pm Owl's Nest	Live Music at the Owl's	Nest				

What to expect in and how to be prepared for an OR-OSHA inspection. *Larry Fipps, OSHA*

This presentation will provide an overview gas chlorination as well as the most common alternatives - "bulk" 12.5% sodium hypochlorite and on-site sodium hypochlorite generation at 0.8% and on-site generation process.

Bryce Possiel, Xylem W/WW

From the 2018 "Do not drink" notice to record toxin levels in the watershed in 2024, this class will cover discovery, impact, upgrades, treatment techniques and lessons learned since the discovery of cyanotoxins in 2018.

Cody Mars, City of Salem w

Samuel Novac, Novac Industries LLC

ww

12-12:15 pm

GREAT HALL

w/ww

Conference Conclusion: Closing Session – Utility Leadership continued

Jason Green, OAWU Executive Director

W/WW

Registration Policies

Early Bird Registration: Receive a \$50 discount for each full conference registration postmarked by February 3, 2025. Early Bird registrations may be billed or contain a purchase order number.

Cancellation Policy: If you register for the Annual Conference and fail to attend without providing OAWU with a 10-day prior notice, no refund will be issued and/or you will be billed for a full registration.

Confirmation: For a confirmation of registration, please contact the OAWU office at (503) 837-1212 or email office@oawu.net.

OAWU Fundraiser Raffles

This year, enter to win Samsung 43" Class-4K HD TV, a fishing pole and reel, a Browning X-Bolt 6.5 Creedmore Rifle, with a Burris Fullfield II 6.5-20x50mm Scope, or a Kimber Custom 1911, 45 Pistol.

Tickets will be available for sale Tuesday morning after opening sessions through Thursday evening. Drawings will be held Thursday during Hospitality Nigh in Homestead Hall. All proceeds will go the Jeff Swanson Memorial scholarship Fund and NRWA, as identified.



OAWU's 47th Annual Management & Technical Conference March 3-7, 2025

Conference and Pre-Conference Registration

Full Name										
Name preferre	d for name badge									
Water Op. Cert. #/ Wastewater Op. Cert. #/									☐ Not Certified	
☐ Check box is	f you will be the A	Association Me	ember Voting	Delegate fo	r the	Annual Bu	ısines	s Meetii	ng Tuesday at	5:30 pm.
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Pre-Conference (Monday) Course (check box for course attending)									Fee	Subtotal
☐ Risk Assessment & Emergency Response, 8am – 12pm (0.4 Water / Wastewater CEUs)									FREE	FREE
☐ Emerging Contaminants PFOS Workshop, 1-4pm (0.3 Water / Wastewater CEUs)									FREE	FREE
☐ Small Water System Training, 9am – 4pm (0.6 Water CEUs) System ID #41								FREE	FREE	
☐ Cross Connection Specialist Update, 9am – 4:45pm (0.6 Water CEUs)									\$175	
☐ Flagger Certification, 8am – 1pm (0.5 Water / Wastewater CEUs)								FREE		
Full Conford	anco (Tuosday	Eriday)								_
						Early Bird Standar			rd	
Conference Registration									ked after Feb. 3)	Subtotal
☐ OAWU Member						\$390 \$440				
□ Non-Member* \$490 \$540										
Additional M	eals for spouses o	r guests								
	Evening Banquet	Lunches			Breakfast					
	Wednesday	Tuesday	Wednesday	Thursday	We	dnesday	Thurs	day	Friday	Subtotal
Enter quantity:	×\$40	×\$30	×\$30	×\$30		× \$20		_×\$20	×\$20	
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☐ Email receipt to: ☐ Fax receipt to: (fax number)										
Non-members rec	eive a one-year individu	al membership with	conference registi	ration.						
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SEND REGISTRATION FORM AND FEES TO:

Oregon Association of Water Utilities

935 N. Main St.

Independence, OR 97351 503-837-1212 Fax 503-837-1213

Address Service Requested

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47th Annual Management & Technical Conference in Sunriver March 3–7, 2025

Attention Water and Wastewater Departments

When finished reading, please route to managers, operators, city recorder and/or board members.

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Water & Wastewater Systems

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

Whose water will take home the title of "Oregon's Best Tasting Water" at OAWU's 30th Annual Best Drinking Water Contest and represent our state at the National Best Water Contest in Washington, D.C.?



Contest Rules

Entrants must be an OAWU member and in State Compliance.

Bring a clear container (mason jars work well) with 1–2 quarts of your system's drinking water to the conference in Sunriver.

Entries must be submitted to the OAWU registration desk located in the Great Hall by 3pm on Tuesday, March 4, 2025.

The container must be clean. You wouldn't want to contaminate the smell or taste of your entry.

A panel of non-partisan judges will determine the winning Ground and Surface water entries based on clarity, smell and taste.

The overall "Best Drinking Water" will go to the national drinking water contest in Washington, D.C.

The winners will receive a plaque of excellence to exhibit in their community.

NOMINATIONS

Looking for the annual awards nomination forms?
Visit our website at www.oawu.net for these and much more!

OAWU's mission is to provide service, support and solutions for Oregon water & wastewater utilities to meet the challenges of today & tomorrow.