OREGON ASSOCIATION OF WATER UTILITIES

27th Annual

Summer Classic Conference

Seaside Convention Center • August 23–26, 2021

REGISTRATION INFORMATION & SCHEDULE

Due to COVID-19, all conference events and details are dependent upon the current State, County, and City requirements.

Conference Events & Information

Registration Options

Full Conference (Tuesday–Thursday)
Full conference registration includes conference activities, all training sessions, exhibit hall & exhibitor activities, lunch, and evening barbecue.

Pre-Conference (Monday)
Pre-conference registration is separate from the full conference registration. Pre-conference registration is free if taking the Small Water System Training course or the Effective Utility Management course. Select class(es) on registration form, page 7.

Lodging Options

Holiday Inn Express
34 Holladay Drive, Seaside, OR 97138
800-439-4745 www.ihg.com

Inn at Seaside
441 2nd Ave., Seaside, OR 97138
503-738-9581 www.innatseaside.com

River Inn at Seaside
531 Avenue A, Seaside, OR 97138
503-717-5744 www.riverinnatseaside.com

Shilo Inn
30 N. Prom, Seaside, OR 97138
503-738-9571, 800-222-2244 www.shiloinns.com

Awards

Rookie, Operator, and **Manager of the Year** awards will be presented. Bring your best water to compete in the **Best Water Contest** — see details online at www.oawu.net.

Seaside Convention Center

415 First Ave., Seaside, OR 97138
503-738-8585 or 800-894-3303
www.seasideconvention.com

CEUs, Meals & More

- Attend Monday pre-conference and earn up to 0.6 CEUs
- Attend Tuesday–Thursday and earn up to 1.7 CEUs
- **Virtual option Tuesday & Wednesday** (Necanicum track only)
- Exhibitors Tuesday & Wednesday
- Tuesday lunch & evening barbecue
- Golf meeting Tuesday evening before the barbecue
- Tuesday evening bonfire & horseshoes on the beach
- Golf scramble Wednesday at 1:00 pm
- Many raffles and door prize giveaways!

OAWU Fundraiser Raffle Items

Tickets will be available for sale starting Tuesday after the opening session.

Pistol: Glock model 43 US, 9MM caliber
Rifle: Winchester model 70 Extreme Tungsten, .308 caliber
TV: LG 50" UHD ThinQ AI

Drawings to be held Thursday during the closing session. You do not have to be present to win.

Dependent upon availability. Substitutions may occur.

OAWU'S ANNUAL GOLF SCRAMBLE

Seaside Golf Club

Wednesday, August 25, 2021 • Start 1:00 pm
Registration $40 per golfer • Sign up on conference registration form
Golf meeting before dinner on Tuesday in Pacific Room

4-Person Team Scramble • 9-Hole Game • 2-Person Carts
Prizes for Longest Drives, Putts & More
Cash Awards for Top 3 Teams • Lots of Fun!

Conference Schedule

Monday, August 23, 2021 Pre-Conference 0.6 W / WW CEUs

Necanicum
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 CEUs ESAC #4328

Riverside A
9:00 am – 4:45 pm
Cross Connection Specialist Update
Obtain your Cross Connection Specialist updates and any updates on the cross-connection program.
Garrett Yates, BMI – 0.6 W CEUs ESAC #4159

Riverside B
9:00 am – 4:30 pm
Effective Utility Management
Look at challenges such as aging infrastructure, growth, and adequate revenues that reflect true operational costs. The ten key management areas, assessing your strengths and weaknesses. Learn well-rounded water and wastewater utility management approach.
Scott Berry, OAWU – 0.6 W/WW CEUs

Tuesday, August 24, 2021 Conference Schedule

0.725 W/WW CEUs — Registration desk hours 8–5

8–9 am		**Registration**
9–9:30 am	0.05	**Opening Session: Your Future in Water and Wastewater Utility Leadership** Building and influencing a capable, robust and trustworthy crew—preparing for replacement or succession with an honest plan. *Jason Green, OAWU* w/ww
9:30–10:45 am	0.125	**Legislative Update** The latest issues of the State Legislature activities concerning water and wastewater utilities. *Mark Landauer, SDAO and Jason Green, OAWU* w/ww
10:45–11 am		**Break**
11 am–12 pm	0.1	**Training Sessions**

Necanicum

Safety is no accident — pump station safety and design
Operator safety in wet wells, dry pits, valve vaults, or above grade enclosures. Confined space entry, falls, electrical hazards, pinch points, lifting injuries, noise injuries, and exposure through gasses, liquids, solids, wastewater debris and sharp objects. This course will be a basic overview of safety and PPE. *Joe Schmidt, Smith & Loveless, Inc.* w/ww

Riverside A

Acoustic Leak Detection and Smart Water Meters
Acoustics is used extensively for detecting and locating leaks within a water grid and devices like listening sticks, correlators and loggers all have pros and cons. However, an integrated acoustic sensor housed in the meter presents a simple approach to easily increase the number of acoustic sensors in a water grid tenfold.
Doug McClintic, Kamstrup w

Riverside B

A High-Performance HMI: Better Graphics For Operations Effectiveness
Many Water & Wastewater processes are controlled by "low performance" Human Machine Interface (HMI) by DCS and SCADA systems. High Performance HMIs improve situation awareness, surveillance and control, easier training, and verifiable cost savings. *Rick Patton, Advanced Control Systems* w/ww

Riverside C

Certification Basics
The application and certification process, tips to avoid mistakes, an overview of where to find the information you need on DEQ's website.
Kimi Gryzb, DEQ ww

Seaside A/B

Prioritizing Cleaning & Improving Efficiency with Acoustic Inspection Technology
Rapidly screen small diameter gravity-sewer lines before deploying cleaning resources. Sewer Line Rapid Assessment Tool, or SL-RAT, uses sound waves to quickly assess for blockages to clean Before an SSO event.
Gene Hallum, InfoSense ww

12–1 pm		**Lunch with Exhibit Time: The latest applications, equipment, tools, and techniques in our industry**
1–3 pm	0.2	**Training Sessions**

Necanicum

Tank Asset Management & Maintenance
Safety, sanitary, structural, security and coatings conditions, and applicable industry standards.

Concrete Tank Rehabilitation: Why Coat Concrete Structures in Water and Wastewater Systems
Advanced coatings systems allow concrete tanks to be rehabilitated and maintained improving water quality, protecting the asset, reducing non revenue water, and extending the asset life.
Jeff Austin, Suez w/ww

Riverside A

Access Rights for Water Utilities
How to obtain and confirm access rights and the scope of such access rights for repairs, removal of access barriers, and more.

Water Rights Due Diligence & Modifications
Learn strategies for researching and creating a water right portfolio, protecting water rights, and making changes to water rights as necessary for water use compliance. *Sarah Lilijefelt, Schroeder Law Offices* w/ww

Riverside B

Checking in on Check Valves
Selection Criteria, Head Loss Characteristics, Design Pros/Cons

Air Valves
Air Vac, Air Release, Combo Valves, Surge Suppression, High/low Pressure Applications, and Sizing.
Steve Causseaux, CIMCO-GC Systems w/ww

Riverside C

Industrial Pretreatment and Roundtable Discussion
Looking at industrial Pretreatment programs and how to make yours run smoothly. Followed by an informal opportunity to discuss any current topics of interest to OAWU members with DEQ regional staff and managers. *Genet Belete, Tiffany Yelton-Bram, DEQ Staff* ww

Seaside A/B

Lagoon Management and Solids Handling
How to best manage pretreatment ordinances to avoid operational challenges and help operators better understand and manage their biosolids.

The Changing World of Pretreatment
From FOG to H2S, Hefeweizen and more. What you should be doing to combat the changing world of wastewater regulations, how to protect your treatment facility, and what to expect moving forward.
Tanner Hartsock, BioLynceus ww

3–3:30 pm		**Break with Exhibit Time: The latest applications, equipment, tools, and techniques in our industry**
3:30–5 pm	0.15	**Training Sessions**

Necanicum

Real World Strategies for Managing Aging Infrastructure
Real-world challenges faced by a small 50-year-old municipality. How we have been developing a sustainable long-term maintenance plan. The value of professional partnerships, and the steps we are undertaking for success, including GIS mapping, CMMS asset management program, budgeting, and scheduling.
Leo Newberg, Inn at Otter Crest w/ww

Riverside A

The New Tech Normal
The whole world is moving online more and more, and now accelerated by the pandemic. What are the best tools to do your jobs in local govt? What kind of technology you should be investing in? What protocols or trends are upcoming that you should consider leveraging? The basic understanding of the paradigm shift and provide managers in all ranks ideas and tools to bank on. *Arnab Bhowmick, AAKAVS AKTIVOV* w/ww

Riverside B

Air Valves
Discusses how air becomes entrained in water, how air moves through water/wastewater systems, and the dangers inherent in that movement and how to address these challenges. We will also explore a brief primer on fluid mechanics.
Geoff Robinson, Frank J. Martin Co. w/ww

Riverside C

(No class)

Seaside A/B

Collections Plugging Solutions
What types of items are being found in wastewater collections, and what types of pumps are available to prevent collections plugs. We discuss the advantages and disadvantages of each design, and concept.
Rich Owens, Owens Pump & Equipment ww

6:15 pm		**Golf Tournament Meeting**
5:30–7:30 pm	0.1	**Dinner with Exhibit Time: The latest applications, equipment, tools, and techniques in our industry** w/ww
7:30–10 pm		**Join OAWU for a bonfire, horseshoe games and camaraderie on the beach (weather permitting)!**

Wednesday, August 25, 2021 Conference Schedule 0.65 W/WW CEUs

Registration desk hours 8–12

7–8 am — **Continental Breakfast in Exhibit Hall**

8–9:30 am — 0.15 — **Training Sessions**

Necanicum

WIFIA and Beyond: Check Out All of the Funding Options

The Environmental Protection Agency's Water Infrastructure Finance & Innovation Act (WIFIA) loan program and other State and Federal programs that offer loans and grants. The benefits to your community and ratepayers. What utilities should know about WIFIA, State SRF funds, and USDA Rural Development Loans.
Kim Marshall, Barney & Worth, Inc.
w/ww

Riverside A

Advanced Metering Infrastructure (AMI) - Is It Now Within Reach for Small to Mid-Sized Utilities?

New and innovative options that small and medium utilities now have to deploy, operate and maintain a modern AMI system. AMI and AMR technologies, how they function and what makes them smart. Case studies demonstrating the benefits.
Jeff Austin, SUEZ Advanced Solutions
w

Riverside B

FlexiRiser Drop Pipe – Saving money pumping

FlexiRiser Drop pipes are designed to replace steel/rigid pipe in submersible pump water wells. A long-term solution for residential, water and wastewater utilities, mines and industrial applications. Non-corrosive, easier, safer and quicker to install and retrieve pumps, are also NSF 61 certified for use with portable water. *Nicolas Steverlynck, Hose Solutions* w/ww

Seaside A/B

Intelligent Pumps and Controls for Wastewater

What station management and integration should involve. Best practices and the latest pumps entering the market.
Simon Cartwright, Xylem
ww

9:30–10 am — **Exhibit Time: Learn the latest applications, equipment, tools, and techniques in our industry**

10 am–12 pm — 0.2 — **Training Sessions**

Necanicum

Communicating with Engineers

Effective ways to communicate with engineers on your water and wastewater projects. Getting your point across in a technical world, learn 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

Riverside A

Water Quality

Training on stagnant lines, tank turnover, flushing programs, and sampling.

Buried Pipelines

Training on different types of buried pipelines including alternative measures for pipeline assessment and pros and cons of each.
Mike Uthe, Mueller
w

Riverside B

Asset Management, Capital Planning, Project Management

Maintenance and asset management; planning and project execution. How ailing and failing infrastructure can be identified and prioritized for repair, rehab or replacement; how capital budgets and plans can be developed; how maintenance crew becomes integral part of the capital planning.
Arnab Bhowmick, AAKAVS AKTIVOV
w/ww

Seaside A/B

Revolutionizing Sludge Dewatering

Discussion of how sludge is dewatered for drinking water treatment backwash beds and wastewater facilities. Each kind of equipment has their positives and negatives, but what are the most important features you want as a plant? Maintenance, sludge consistency, or simplicity?
Rich Owens, Owens Pump & Equipment
w/ww

12–1:30 pm — **Lunch**

1:30 pm–3 pm — 0.15 — **Training Sessions**

No classes in Riverside A or Seaside A/B after 1:30

Necanicum

Job Site Safety

Discuss the overall approach to key elements of a strong health and safety program, reviewing the psychology side of management and employee's responsibilities. Routine and non-routine tasks associated with risk, and how to practically expand safety programs to mitigate such risks.
Tim Tice, Scott Berry, OAWU
w/ww

Riverside B

Math for Operators

This class will cover the understanding of basic math concepts and formulas for water and wastewater operators including areas, volume, conversions, pounds, formulas, velocity, flow, head and hydraulics and more for system operators. Please bring your calculators and system questions.
Mike Collier, OAWU
w/ww

3–3:15 pm — **Break**

3:15–4:45 pm — 0.15 — ***Sessions continue***

Necanicum

Job Site Safety
(continued)
w/ww

Riverside B

Math for Operators
(continued)
w/ww

Annual Golf Scramble 1:00 • See page 3 for details

Thursday, August 26, 2021 Conference Schedule 0.4 W/WW CEUs — Registration desk hours 8–12

7–8 am — **Continental Breakfast in Exhibit Hall**

8–9:45 am — 0.175 — **Training Sessions**

Necanicum

System O&M
Successfully operate and maintain a water and/or wastewater system. The 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. *Mike Edwards, Tim Lyda, Matt Johnson, and OAWU Board*
w/ww

Riverside A

Getting Confident with Your Control Valves
Hydraulic control valves can cause uncertainty with water operators. Look at the basic understanding of hydraulic valves and move into how to approach these valves safely for shut down, troubleshooting, and start up.
Steve Causseaux, CIMCO-GC Systems
w

Riverside B

Chemical Feeds Pumps
Water and Wastewater chemical feed pump application, operation, maintenance, and installation.
Phil Pelletier, Furrow Pump
w/ww

Seaside A/B

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.
Doug Troyer, Underground Tech
ww

9:45–10 am — **Break**

10–11:45 am — 0.175 — **Training Sessions**

Necanicum

Tip Selection and Combination Trucks
Hydro excavation, new technology, proper methods, equipment used, safety, and the use and applicability of different nozzle types. Technologies, tips, tricks and operator's safety in Hydro-Excavation and Combination trucks.
Eric Lundy, Owen Equipment
w/ww

Riverside A

2020 City of Newport Water Emergency – Addressing water shortages in a COVID climate
At certain times the fish processing facilities can be approximately 50% of the City's water demand. Summer of 2020, the City of Newport couldn't meet demand due to plugging of the membrane filters. This emergency caused installation of temporary sand-filter water treatment to supplement flows. Water quality problems, actions taken, the impact of COVID, and lessons learned.
Tim Gross, Civil West Engineering
w

Riverside B

Disaster Recovery
How to Prepare for disaster recovery beforehand and what were some takeaways from a real-life example.
David Jacob, Hydra Engineering
w/ww

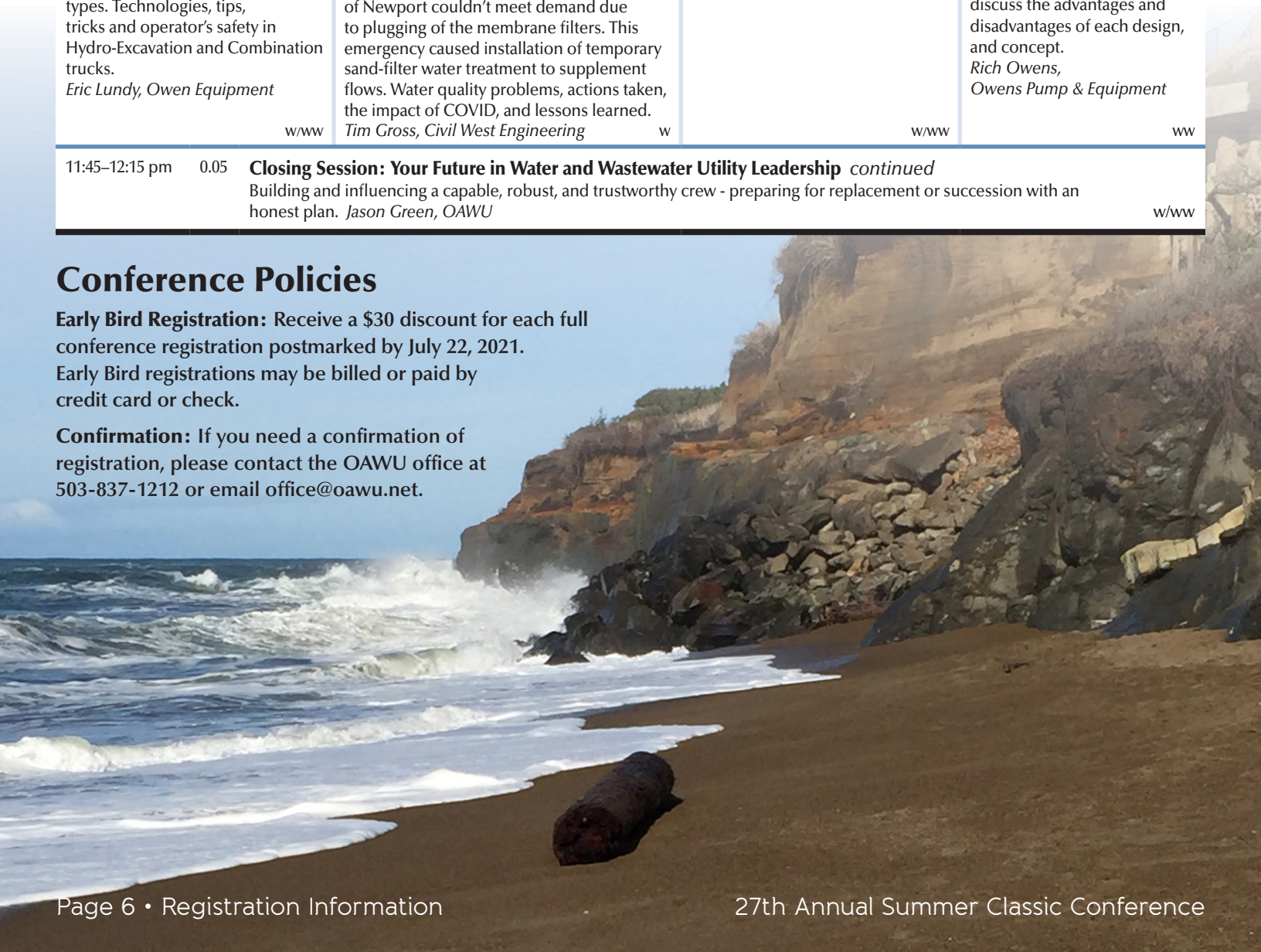
Collections Plugging Solutions
What types of items are being found in wastewater collections, and what types of pumps are available to prevent collections plugs. We discuss the advantages and disadvantages of each design, and concept.
Rich Owens, Owens Pump & Equipment
ww

11:45–12:15 pm — 0.05 — **Closing Session: Your Future in Water and Wastewater Utility Leadership** *continued*
Building and influencing a capable, robust, and trustworthy crew - preparing for replacement or succession with an honest plan. *Jason Green, OAWU*
w/ww

Conference Policies

Early Bird Registration: Receive a $30 discount for each full conference registration postmarked by July 22, 2021. Early Bird registrations may be billed or paid by credit card or check.

Confirmation: If you need a confirmation of registration, please contact the OAWU office at 503-837-1212 or email office@oawu.net.



27th Annual Summer Classic Conference

Seaside Convention Center – 415 First Ave – Seaside, Oregon 97138 **Oregon Association of Water Utilities**

Full Name _____

Name preferred for name badge _____

Water Cert. # _____/_____ Wastewater Cert. # _____/_____ ❑ Not Certified

System / Company _____

System Address _____

City _____ State _____ Zip _____

System Phone _____ System Email _____

Pre-Conference (Monday)

	Course		Fee
❑	Small Water System Training Course (0.6 W CEUs)	System ID #41-_____	FREE
❑	Effective Utility Management (0.6 W/WW CEUs)		FREE
❑	Cross Connection Specialist Update (0.6 Water CEUs)		$120

Full Conference (Tuesday-Thursday)

Conference Registration	Early Bird (postmarked by July 22)	Standard (postmarked after July 22)	
OAWU Member	$305	$335	
Non-Member*	$405	$435	
		TOTAL REGISTRATION FEES	

Additional Meals for Guests (Children 10 years old & under – Free)	Quantity	Fee	Subtotal
Tuesday Evening BBQ		$10	
Tuesday Lunch (Only coffee in the mornings)		$10	
		TOTAL ADDITIONAL MEALS	

Wednesday Golf 9-Hole Scramble Registration	Quantity	Fee	Subtotal
Golf Players (up to 4) Name:_____ Name:_____ Name:_____ Name:_____		$40 Per player	
Seaside Golf Club		**TOTAL GOLF REGISTRATION FEES**	

Virtual Conference (Tuesday & Wednesday Necanicum Room Classes Only)

Virtual Conference Registration (for remote attendees)	One Day	Both Days	
OAWU Member	$75	$150	
Non-Member	$115	$230	
		TOTAL REGISTRATION FEES	

Total Conference Fees _____

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

If paying by credit card, please use PayPal online at www.oawu.net or call the OAWU office for processing and receipt.

❑ Fax receipt to: (fax number) _____ ❑ Email receipt to: _____

Send REGISTRATION FORM AND payment to:

Fax 503-837-1213 or mail: OAWU, 935 N. Main Street, Independence, OR, 97351 or email: office@oawu.net

REGISTRATION POLICIES

* Non-members receive a one-year individual membership with conference registration.

If you register for the 27th Annual Summer Classic Conference and fail to attend without providing OAWU with a 30-day prior notice, NO REFUNDS will be issued and/or you will be billed for a full registration.

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

Attention Water and Wastewater Departments

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

27th Annual Summer Classic Conference

August 23–26, 2021

Information & Registration: www.oawu.net

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