

OREGON ASSOCIATION OF WATER UTILITIES

24th Annual

Summer Classic Conference

Seaside Convention Center

August 20–23, 2018



REGISTRATION INFORMATION & SCHEDULE

Conference Events & Information

Registration Options

Full Conference (Tuesday-Thursday)

Full conference registration includes conference activities, all training sessions, exhibit hall & exhibitor activities, continental breakfasts, lunch, and barbecue dinner.

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

Inn at Seaside

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

Holiday Inn Express

34 Holladay Drive, Seaside, OR 97138
800-439-4745 www.ihg.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



Seaside Convention Center

415 First Ave., Seaside, OR 97138
503-738-8585 or 503-738-9581
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
- Exhibitors Tuesday & Wednesday
- Tuesday lunch & evening outdoor barbecue
- Golf meeting Tuesday evening before the barbecue
- Tuesday evening bonfire & horseshoes on the beach
- Continental breakfast Wednesday and Thursday
- Golf scramble Wednesday with shotgun start at 1:30 pm
- Many raffles and door prize giveaways!



OAWU Fundraiser Raffle Items

There will be a raffle for a Remington 700 BDL .243 with Leupold 3-9 Freedom VX duplex scope.

In addition, raffle sales for a 49" LG UHD-TV 4K television will go toward the Jeff Swanson Memorial Scholarship Fund.

Tickets will be available for sale starting Tuesday. Drawings will be held Thursday during the Closing Session.



OAWU'S ANNUAL GOLF SCRAMBLE



Gearhart Golf Links

Wednesday, August 22nd, 2018 • Shotgun Start 1:30 pm
 Registration \$85 per golfer • Sign up on conference registration form
 Golf meeting before dinner on Tuesday in Pacific Room

4-Person Team Best Ball • 18-Hole Game • 2-Person Carts
 Prizes for Longest Drives, Putts & More
 Cash Awards for Top 3 Teams • Lots of Fun!

Conference Schedule

Monday, August 20, 2018 Pre-Conference 0.6 W / 0.4 WW CEUs

9:00 AM – 4:00 PM, NECANICUM

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, ESAC #3577

0.6 W | 0.4 WW

8:30 AM – 12:45 PM, SEASIDE B

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

0.4 W/WW

9:00 AM – 4:15 PM, SEAMIST

Backflow Assembly Tester Recertification

One-day course for renewal of the Backflow Assembly Tester Certification Requirements by OHA.

Garrett Yates, BMI, ESAC TBA

0.6 W

9–9:30 am 0.05 **Opening Session: Operational & Management Necessities**
 Improving operations through professional growth and effective use of personnel at your water and wastewater utility.
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**

<p>SEAMIST Keeping Lagoons EPA Compliant Varying innovations for a typical lagoon system to maintain compliance for the next one to two permit renewing cycles. <i>Pei Huang, WCS</i> WW</p>	<p>SEASIDE A Community Water Fluoridation Basics Health benefits of fluoridation, fluoride facts and myths, and safety concerns. Options of fluoridation chemicals, feed equipment, pros/cons and regulatory requirements in terms of maximum levels, monitoring, and reporting. <i>Kari Salis, OHA-DWS</i> W</p>	<p>SEASIDE B Sodium Hypochlorite Basics The different types of sodium hypochlorite. How to handle, manage, store, and deliver parameters specific to your plant. Design considerations for remodeling a chemical system. <i>Cindy Yost, HASA</i> W/WW</p>	<p>NECANICUM Asphalt Repair, Sources, and Code of Practices for Utilities The most recent innovations; special materials for extended service life, and the latest in the code of practices for asphalt. <i>Bill Bailey, Lakeside Industries</i> W/WW</p>
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12–1 pm **Lunch with Exhibit Time: The latest applications, equipment, tools, and techniques in our industry**

1–2 pm 0.1 **Training Sessions**

<p>SEAMIST DEQ Wastewater Operator 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 and an opportunity for program feedback. <i>Kimi Grzyb, DEQ</i> WW</p>	<p>SEASIDE A The Economic Significance of a Flexible Drop Pipe Benefits in using flexible Drop Pipe in a well compared to rigid pipe. <i>Carlos Guerra, Hose Solutions Inc.</i> W</p>	<p>SEASIDE B Smart City, AMI and YOU This class explores how AMI or Advanced Metering Infrastructure, plays a key role with YOUR team and developing YOUR Smart City. <i>Pat Hart, Ferguson Waterworks</i> W/WW</p>	<p>NECANICUM Concrete and Steel Tank Maintenance: Reactive vs Proactive Benefits and drawbacks with each coating method including risk analysis, material selection, preparation and application issues, common failures, and cost effectiveness. <i>Jeff Austin, SUEZ</i> W/WW</p>
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2–3 pm 0.1 **Training Sessions**

<p>SEAMIST DEQ Roundtable An informal opportunity to discuss any current topics of interest to OAWU members. DEQ regional staff and managers will be available to respond to questions and provide updates. <i>Nina DeConcini, Evan Haas, Jennifer Purcell, Tiffany Yelton Bram, DEQ</i> WW</p>	<p>SEASIDE A Groundwater Basics and Sourcewater Protection The origin of groundwater, movement through the subsurface, various aquifer materials and well construction. What is a Source Water Assessment, OHA and DEQ Assessment updates, and how to use them. <i>Tom Pattee, OHA-DWS</i> W</p>	<p>SEASIDE B Aging Infrastructure—Repair or Replace? Aging Infrastructure and deciding whether to replace or repair a pipeline. Considering new technologies in the marketplace. <i>Cristi Bruns, Hymax</i> W/WW</p>	<p>NECANICUM Concrete and Steel Tank Maintenance: Reactive vs Proactive <i>(continued)</i> W/WW</p>
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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**

<p>SEAMIST Engineering Concepts for Water/Wastewater Pump Stations The design and engineering of pump stations. Processes of planning, fitting, sizing and selecting components required to construct a pump station. Understand what actually goes into a pump. <i>Ed Butts, 4B Engineering</i> W/WW</p>	<p>SEASIDE A Analyzers Chlorine and fluoride analyzers: maintenance, use and application. <i>Anil Isaac, ElectoChemical Devices</i> W/WW</p>	<p>SEASIDE B Confined Space Development of a higher awareness level of confined space/lock out tag out in the work place and applying theory to real situations. Discuss OAR-437 and instruction on how to comply. <i>Frank Ray, EJ</i> W/WW</p>	<p>NECANICUM Public Meeting Procedures and Municipal Board Governance Address requirements for conducting public meetings, structuring the meeting and information requirements for public participation. <i>Laura Schroeder and Lindsey Thane, Schroeder Law Offices</i> W/WW</p>
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5:30 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—bring a chair! (Weather permitting)**

7–8 am Continental Breakfast in Exhibit Hall

8–9:30 am 0.15 Training Sessions

<p>SEAMIST Collection System Strategies The importance of managing collections systems and utilizing pre-treatment to enhance plant operations. <i>Alvin Smith, BioLynceus</i></p> <p style="text-align: right;">WW</p>	<p>SEASIDE A Protective Coatings Update Various materials used, common corrosion issues, and challenges of mitigating corrosion inherent in water and wastewater treatment. Ideas on how to prevent corrosion and the specialized coatings technologies designed for these environments. <i>Ron Watts, PPG Industries</i></p> <p style="text-align: right;">W/WW</p>	<p>SEASIDE B Managed Services – A Host of Data Solutions, a World of Utility Savings Outsourcing day-to-day operational functions for benefits of AMI. Software-as-a-Service and Network-as-a-Service to reduce the operational burdens. <i>Tim Loosier, Neptune Technology Group</i></p> <p style="text-align: right;">W/WW</p>	<p>NECANICUM History and Utility of Bitumen and Asphalt How Asphalt and Bitumen came to be. It's use in water and wastewater utilities. Management and daily operations. <i>Bill Bailey, Lakeside Industries</i></p> <p style="text-align: right;">W/WW</p>
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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

<p>SEAMIST Integrated Pump Controls What station management and integration should involve. Best practices and the latest pumps entering the market. <i>Simon Cartwright, Xylem</i></p> <p style="text-align: right;">WW</p>	<p>SEASIDE A Certification Update Reviewing certification rules and requirements for water distribution and treatment certifications. <i>Tony Fields, OHA-DWS</i></p> <p style="text-align: right;">W</p>	<p>SEASIDE B The New Trend in GIS and GPS Mapping for Rural Water Asset Collection Cloud computing and smart phone/tablet apps for collection and GIS/mapping systems. “Bring Your Own Device” GPS receivers, we can deploy the best of both worlds - easy to use GIS apps and very precise sub-meter accuracy. <i>Rich Ash, GeoMobile Innovations</i></p> <p style="text-align: right;">W/WW</p>	<p>NECANICUM Maintenance Management vs. Asset Management in Utilities Resilient Mobile GIS based Asset Management to address compliance/ legal and regulatory requirements, asset and infrastructure management, capital budget planning, political forces, economic landscape changes, and improve business performance and efficiency. <i>Arnab Bhowmick, AAKAVS Consulting</i></p> <p style="text-align: right;">W/WW</p>
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12–1:30 pm Lunch Break

No classes in Seamist or Seaside A after noon.



Remember to join us for the bonfire on the beach Tuesday night!

1:30–3 pm 0.15 Training Sessions

<p>SEASIDE B Job Site Safety Safety topics that utility workers encounter while performing both routine and non-routine tasks. Reduce complacency in the workplace. Enhance your safety program. <i>Tim Tice, OAWU</i></p> <p style="text-align: right;">W/WW</p>	<p>NECANICUM Pipe Condition Assessment Helium leak detection and pipe condition assessment. Maintain and improve on infrastructure management. <i>Jeff Austin, SUEZ</i></p> <p style="text-align: right;">W/WW</p>
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3:15–4:45 pm 0.15 Training Sessions

<p>SEASIDE B Job Site Safety (continued)</p> <p style="text-align: right;">W/WW</p>	<p>NECANICUM Ice Pigging New technology and methods in mainline maintenance and cleaning that is more efficient, effective and produces long-term system savings and service. <i>Jeff Austin, SUEZ</i></p> <p style="text-align: right;">W/WW</p>
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Annual Golf Scramble
1:30 to 6 pm • See page 3 for details

7–8 am Continental Breakfast in the Exhibit Hall

8–9:30 am 0.15 Training Sessions

<p>SEAMIST Algae Management for Wastewater & Fresh Water How algae impacts water environments; BOD, TSS, energy, and Ph and algae management. <i>Alvin Smith, BioLynceus</i></p> <p style="text-align: right;">w/ww</p>	<p>SEASIDE A Smart Metering Options for Utilities New and innovative options that small and medium utilities now have to deploy, operate and maintain a modern AMI system. Review of AMI and AMR technologies, how they function what makes them smart and how AMI can be made affordable and applicable to utilities case studies. <i>Jeff Austin, SUEZ</i></p> <p style="text-align: right;">w</p>	<p>SEASIDE B New Large Electronic Meters for Utility Applications Two inch and larger electronic meters designed specifically for water/wastewater utility applications. Using ultrasonic and electromagnetic technology traditional mechanical meters. <i>Michele Harvey, Badger Meter</i></p> <p style="text-align: right;">w/ww</p>	<p>NECANICUM System O&M What it takes to successfully operate and maintain a water/wastewater system. Everything from paperwork, critical parts inventory, budget, training, staff succession, outlining and delegating tasks, monthly reports and tracking, staff and council/ board communication, to public relations. <i>OAWU Board (Mike Edwards, Tim Lyda, Mark Beam, Matt Johnson, Ed Pugh)</i></p> <p style="text-align: right;">w/ww</p>
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9:30–9:45 am Break

9:45–11:45 am 0.2 Training Sessions

<p>SEAMIST Chlorination Design and Troubleshooting The three types of pumps available today for pumping chlorine. Pump sizing (critical for system longevity) and start-up. <i>Phil Pelletier, Furrow Pump</i></p> <p style="text-align: right;">w/ww</p>	<p>SEASIDE A Maintaining your Water Rights, Drought Preparedness and Changes to the WMCP Program The Water Rights process, important milestones, options for quasi-municipal and municipal water right holders, and common permit conditions. Strategies for drought and curtailment, funding options for system resiliency, and drought tools. Changes to the WMCP Program. <i>Chris Kowitz, Kerri Cope, OWRD</i></p> <p style="text-align: right;">w</p>	<p>SEASIDE B Considerations Before Releasing a Fixed Network RFP New software features provide tools based on the hourly readings to provide proactive and actionable utility management, including water efficiency efforts to better protect the state’s resources. Ten things to consider in your selection process and how to put them into action in your RFP. <i>Michele Harvey, Badger Meter</i></p> <p style="text-align: right;">w/ww</p>	<p>NECANICUM Disaster Recovery How to Prepare for disaster recovery and what were some takeaways from a real-life example. <i>David Jacob, Hydra Engineering</i></p> <p style="text-align: right;">w/ww</p>
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11:45–12 pm Break

<p>12–12:30 pm 0.05 Closing Session: Operational & Management Necessities <i>continued</i> Improving operations through professional growth and effective use of personnel at your water and wastewater utility. <i>Jason Green, OAWU</i></p> <p style="text-align: right;">w/ww</p>
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Conference Policies

Early Bird Registration: Receive a \$30 discount for each full conference registration postmarked by July 20, 2018. Early Bird registrations may be billed or contain a purchase order number.

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



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Conference and Pre-Conference Registration

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	Attending?
Small Water System Training Course (0.6 W/0.4 WW CEUs) System ID #41- _____	FREE	
Effective Utility Management (0.4 W/WW CEUs)	FREE	
Backflow Assembly Tester Recertification (0.6 Water CEUs)	\$100	

Full Conference (Tuesday-Thursday)

Conference Registration	Early Bird (postmarked by July 20)	Standard (postmarked after July 20)	Subtotal
OAWU Member	\$295	\$325	
Non-Member (non-members receive a one-year individual membership with conference registration)	\$395	\$425	
TOTAL REGISTRATION FEES			

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

Wednesday Golf Scramble Registration	Quantity	Fee	Subtotal
Golf Players (up to 4) Name: _____ Name: _____ Name: _____ Name: _____		\$85 Per player	
TOTAL GOLF 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 POLICY

If you register for the 24th Annual Summer Classic Conference and fail to attend without providing OAWU with a 30-day prior notice (no later than Friday, July 20, 2018), 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.

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August 20–23, 2018

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.