

OREGON ASSOCIATION OF WATER UTILITIES

21st Annual

# Summer Classic Conference

Seaside Convention Center  
August 17–20, 2015

**REGISTRATION INFORMATION & SCHEDULE**

# Conference Events & Information

## LODGING OPTIONS

### Inn at Seaside

441 2nd Ave., Seaside, OR 97138  
800-699-5070 [www.innatseaside.com](http://www.innatseaside.com)

### Holiday Inn Express

34 Holladay Drive, Seaside, OR 97138  
888-465-4329 [www.hiexpress.com/seasideor](http://www.hiexpress.com/seasideor)

### River Inn at Seaside

531 Avenue A, Seaside, OR 97138  
503-717-5744 [www.riverinnatseaside.com](http://www.riverinnatseaside.com)

### Shilo Inn

900 S Holladay, Seaside, OR 97138  
503-738-0549, 800-222-2244 [www.shiloinns.com](http://www.shiloinns.com)

## Conference CEUs, Meals & More

- Attend Tuesday–Thursday and earn up to 1.8 CEUs
- Attend Monday pre-conference and earn .6 CEUs
- Tuesday lunch & evening outdoor barbecue
- Continental breakfast Wednesday and Thursday
- Tuesday evening bonfire & horseshoes on the beach
- Exhibitors Tuesday & Wednesday
- Golf scramble Wednesday with tee off at 12 noon
- Golf meet ‘n’ greet Tuesday evening during barbecue
- Many raffles and door prize giveaways!



## CONFERENCE LOCATION

### Seaside Convention Center

415 First Ave., Seaside, OR 97138  
503-738-8585 or 800-394-3303  
[www.seasideconvention.com](http://www.seasideconvention.com)

## Monday, August 17, 2015 Pre-Conference Schedule .6 CEU

9:00 am – 4:15 pm, Seaside A & B

### Small Water Operators Class

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 CEUs/ESAC #2899*

w

9:00 am – 4:15 pm, Riverview A

### Effective Utility Management

Participate in a workshop for success at your utility. Look at issues such as aging infrastructure, growth, adequate revenues that reflect true operational cost today and in the future. At this workshop, you will be involved in ten key management areas, assessing your strengths and weaknesses in a framework towards a well-rounded management approach.

*Jennifer Purcell, DEQ/EPA 0.6 CEUs*

w/www

8–9 am	<b>Registration</b>				
9–9:15 am	.025	<b>Opening Session: Emergency Water &amp; Wastewater Preparedness</b>			
		Every utility needs a plan to address emergencies, but what about preparing the utility personnel? This session will cover points of considerations such as: the need for table top exercises and review of existing plans, leadership roles, staff functions and duties, communications and strengths and weaknesses of staff. <i>Jason Green, OAWU</i>		w/ww	
9:15–10:45 am	.15	Legislative Update —Mark Landauer, SDAO and Jason Green, OAWU		w/ww	
10:45–11 am	<b>Break</b>				
11 am–12 pm	.1	<b>Training Sessions</b>			
Sea Mist		Riverview A	Seaside A	Seaside B	
<b>DEQ Roundtable</b>		<b>Wastewater Treatment 101 and Beyond</b>	<b>Funding for Water &amp; Wastewater</b>	<b>Water Program / Regulatory Update</b>	
Question and answer period for wastewater operators. Engage in conversation that pertains to wastewater topics. <i>Nina DeConcini, Oregon DEQ</i>		Basics of wastewater treatment plant processes. Identify locations within the process where instrumentation can be utilized to better meet regulatory requirements and reduce costs. <i>Don Diepenbroek, Xylem, Inc. ww</i>	Discussion/overview of funding opportunities each agency has available. <i>Paulina Layton, IFA</i>	Current and emerging issues in safe drinking water, including recent drinking water issues and events in media, legislative session, and national regulatory outlook. <i>Dave Leland, OR DWS w</i>	
	ww		w/ww		
12–1 pm	<b>Lunch in Necanicum Room (Exhibit Hall)</b>				
1–3 pm	.2	<b>Training Sessions</b>			
Sea Mist		Riverview A	Seaside A	Seaside B	
<b>CUPPS</b>		<b>High Performance Human-Machine Interface</b>	<b>Solutions for Water Quality Issues in Your Water Tank</b>	<b>Hydro Excavation/ Locating Theory</b>	
Real-life application of “Check Up Program for Small Systems.” Use of this asset management tool for small drinking water and wastewater utilities, ease in implementation and hurdles to overcome. <i>Brad Thayer, Nehalem Bay Wastewater, Chris Bayham, Oregon DEQ</i>		Best practices for HMIs that most effectively serve operators and significantly reduce response time. From the basis that HMI operations play a critical role in determining the operator’s ability to effectively manage the operation. <i>Rick Patten, Advanced Controls</i>	Discuss common water quality issues and provide a variety of feasible solutions. It’s never too late to retrofit your existing tank to improve water quality. <i>Mark Moore, DN Tanks</i>	Two-part session on the mechanics of locating buried infrastructure and the varied uses of “soft” excavation in the water/wastewater industries. <i>Si Norris, Owen Equipment.</i>	
	w/ww	w/ww	w	w/ww	
3–3:30 pm	.05	<b>Exhibitors:</b> Learn the latest applications, equipment, tools, and techniques for the water and wastewater industry.			w/ww
3:30–4:45 pm	.15	<b>Training Sessions</b>			
Sea Mist		Riverview A	Seaside A	Seaside B	
<b>Filter Treatment Roundtable</b>		<b>Design Guidelines for Small/Medium Lift Stations</b>	<b>History of Water Treatment</b>	<b>Control Valves</b>	
Optimizing your mixed media water filtration plant – from chemical dosage to backwash rates and everything in between the procedures. <i>Darrel Lockard, City of Aurora</i>		Criterion for design and specification language reflecting new standards in manufacturing. Conclusive, performance-based design recommendations. <i>Simon Cartwright, Xylem FLYGT</i>	When technologies were first discovered and how they are used today. Topics include: heat, UV, coagulation, and colloidal silver treatments; pipe types, corrosion control, valve types, and tank and storage issues; chlorine, ozone, fluoride, and chemical feed. <i>Don Van Veldhuizen, USABlueBook</i>	This class will discuss basic hydraulics, principles of operation, maintaining, and troubleshooting of control valves. <i>Drew Balerud, GC Systems</i>	
	w	ww	w	w	
5:30 pm	<b>Golf Tournament Meet and Greet Sidebar</b>				
5:30–6:30 pm	<b>Meet and Greet in Exhibit Hall</b>				
6:30–7:30 pm	<b>Bar-B-Cue Dinner</b>				
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 Necanicum Room (Exhibit Hall)**

8–9:30 am .15 **Training Sessions**

<p>Sea Mist <b>Are You Really Ready</b> Emergency Response Plans for Water and Wastewater Treatment Operations. Plan considerations including high-level review of each component of the ERP. The emergency in Colorado and impact of the Front Range in Colorado. What actually happens in a real emergency. <i>Becky Haugen, BioLynceus</i> w/ww</p>	<p>Riverview A <b>Source Water Protection</b> Review the elements of source water protection, the benefits and future impacts of knowing the area that provides water to your system. <i>Brian Sheets, Laura Schroeder, Schroeder Law Offices</i> w</p>	<p>Seaside A <b>Chlorination Basics</b> Discussion of advantages and disadvantages with chlorine gas, liquid, and solid. Determine the best for your system. Learn feed techniques, preservation, and safety. <i>Don Van Veldhuizen, USABlueBook</i> w/ww</p>	<p>Seaside B <b>VFDs - Do's &amp; Don'ts</b> VFD principles &amp; basics in pumping systems. Programming and setting drives for submersible, turbine &amp; centrifugal pumps. Discuss harmonics, noise, power and grounding. <i>Kriss Schneider, Schneider Water Services</i> w</p>
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9:30–10 am .05 **Exhibitors:** Learn the latest applications, equipment, tools, and techniques for the water and wastewater industry. w/ww

10 am–12 pm .2 **Training Sessions**

<p>Sea Mist <b>Managing H2S For Odors and Corrosion Control</b> H2S is a growing concern for treatment plant operators. Conclusive solutions; underlying issues of H2S in collection systems and WWTP. <i>Becky Haugen, BioLynceus</i> ww</p>	<p>Riverview A <b>Wastewater Law 101</b> Review of local, state, and federal requirements of treating and discharging waste and storm water. Considerations of NPDES and MS4 permits, recycling, and developing issues. <i>Brian Sheets, Laura Schroeder, Schroeder Law Offices</i> ww</p>	<p>Seaside A <b>Uni-directional and Conventional Flushing</b> How utilizing a flushing program can improve water quality and the carrying capacity of pipes as well as benefit the operation of the water system. <i>Geoff Robinson, Frank J. Martin</i> w</p>	<p>Seaside B <b>Water Quality Chemical Cleaning</b> Steps in tank cleaning, filter media chemical cleaning, and receive an overview of Biofilm 101. <i>Jeff Austin, Utility Services</i> w</p>
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12–1:30 pm **Lunch on your own (Exhibitors end at 10:30 am)**

12–5 pm **Annual Golf Scramble (more information on page 6)**

1:30–4:45 pm .3 **Training Sessions (Note: break from 3 to 3:15.)**

<p>Sea Mist <i>No class in this room.</i></p>	<p>Riverview A <i>No class in this room.</i></p>	<p>Seaside A <b>Math for Operators</b> Practical day-to-day math for water &amp; wastewater operators. Bring calculators and questions. <i>Heath Cokeley, Hans Schroeder, OAWU</i> w/ww</p>	<p>Seaside B <b>Distribution Efficiency</b> Review tools such as: Distribution Asset Management, Water Conservation Planning, Network Monitoring and Smart Metering, Helium Leak Detection, and O&amp;M of distribution components. <i>Jeff Austin, Utility Services</i> w</p>
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7–8 am **Continental Breakfast in the Necanicum Room (Exhibit Hall)**

8–9:30 am .15 **Training Sessions**

<p>Sea Mist <b>SDCs – Don't Put Off For Tomorrow What You Need Today</b> Review policies and procedures for implementing SDCs necessary for all utilities. Prerequisites for understanding formulas and demands essential for determining fairness, applicability and uses. <i>Mike Edwards, City of Bend</i></p> <p style="text-align: right;">w/ww</p>	<p>Riverview A <b>CMMS Development &amp; Beyond</b> Necessary preparation and initial introduction of a CMMS program. This class will also cover the ongoing training and change management needs to gain acceptance and continued use within an organization, and the results expected. <i>Dan O'Malley, City of Bend</i></p> <p style="text-align: right;">w/ww</p>	<p>Seaside A <b>Emergency Preparation and Response</b> A discussion on preparing for and responding to an emergency in your utility as well as making your assets available to other utilities through ORWARN. <i>Scott Berry, OAWU</i></p> <p style="text-align: right;">w/ww</p>	<p>Seaside B <b>Bolted Tank Maintenance and Inspection</b> What to look for during a tank inspection and how often to inspect. <i>Mike Bray, Engineering America</i></p> <p style="text-align: right;">w</p>
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9:30–9:45 am **Break**

9:45–11:45 am .2 **Training Sessions**

<p>Sea Mist <b>SDCs – Don't Put Off For Tomorrow What You Need Today</b> (continued) <i>Mike Edwards, City of Bend</i></p> <p style="text-align: right;">w/ww</p>	<p>Riverview A <b>Rates – Breaking a Losing Trend</b> The hurdles that operators, managers, boards and councils have to overcome to apply rates that are fair and equitable. How applying industry standards and routine reviews of revenues and expenses will help you sleep at night, knowing the utility is financially on a solid foundation. <i>Tim Tice, OAWU</i></p> <p style="text-align: right;">w/ww</p>	<p>Seaside A <b>Catastrophic Event Emergency Water Supply Plans</b> The latest predictions for the impact of a subduction zone earthquake affecting water utilities. <i>Ed Olson, PE, RH2 Engineering</i></p> <p style="text-align: right;">w</p>	<p>Seaside B <b>Hydrants Service and Maintenance</b> Presentation on hydrant installation, service, operation and maintenance. <i>John Cobb, AVK</i></p> <p style="text-align: right;">w</p>
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11:45–12:30 pm .075 **Closing Session**

<p><b>Emergency Water &amp; Wastewater Preparedness</b> Every utility needs a plan to address emergencies, but what about preparing the utility personnel? This session will cover points of considerations such as: the need for table top exercises and review of existing plans, leadership roles, staff functions and duties, communications and strengths and weaknesses of staff. <i>Jason Green, OAWU</i></p> <p style="text-align: right;">w/ww</p>
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# OAWU'S ANNUAL GOLF SCRAMBLE



## Gearhart Golf Links

*Wednesday, August 19, 2015*

*Tee Time 12:00 Noon*

*Registration \$75 per golfer — sign up on page 7*

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

**Golf Meet 'N' Greet Tuesday Evening During  
Barbecue in Exhibitor Hall**

### **CONFERENCE POLICIES**

**Early Bird Registration:** Receive a \$10 discount for each full conference registration postmarked by July 17, 2015. 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 30-day prior notice (no later than July 19, 2015), no refund will be issued and/or you will be billed for a full registration.

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

#### **Full Conference (Tuesday-Thursday)**

Full conference registration includes conference activities, all training sessions, exhibit hall & exhibitor activities, continental breakfasts, lunch, deli bar, banquet and entertainment.

#### **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.

# 21st Annual Summer Classic Conference • August 17–20, 2015 Conference and Pre-Conference Registration

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

Full Name \_\_\_\_\_

Name preferred for name badge \_\_\_\_\_

Water Op. Cert. # \_\_\_\_\_ / \_\_\_\_\_ Wastewater Op. Cert. # \_\_\_\_\_ / \_\_\_\_\_

System / Company \_\_\_\_\_

System Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

System Phone \_\_\_\_\_ System Email \_\_\_\_\_

## Pre-Conference (Monday)

Course	Fee	Attending?
Small Water System Training Course (0.6 Water CEUs)	System ID #41-_____ FREE	
Effective Utility Management (0.6 W/WW CEUs)	FREE	

## Full Conference (Tuesday–Thursday)

Conference Registration	Early Bird (postmarked by July 17)	Standard (postmarked after July 17)	Subtotal
OAWU Member	\$265	\$275	
Non-Member (non-members receive a one-year individual membership with conference registration)	\$340	\$350	
<b>TOTAL REGISTRATION FEES</b>			

Additional Meals for spouses or guests	Quantity	Fee	Subtotal
Tuesday Evening BBQ		\$20	
Tuesday Lunch		\$20	
<b>TOTAL ADDITIONAL MEALS</b>			

Wednesday Golf Scramble Registration	Quantity	Fee	Subtotal
Golf Players (up to 4): Name: _____ Name: _____ Name: _____ Name: _____		\$75 per player (includes lunch)	
<b>TOTAL GOLF REGISTRATION FEES</b>			

WEB

**TOTAL CONFERENCE FEES**

Please Invoice

Payment Enclosed: Check # \_\_\_\_\_

Purchase Order: PO # \_\_\_\_\_

Please Charge  VISA  MasterCard  AMEX

Card # \_\_\_\_\_ If paying by credit card, please call OAWU office for processing and receipt.

Name as shown on card \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signature \_\_\_\_\_ Card Security Code \_\_\_\_\_

Card billing address with zip code \_\_\_\_\_

**SEND REGISTRATION FORM AND FEES TO:**

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

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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**Attention Water and  
Wastewater Departments**

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

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***Need more  
information or  
registration forms?  
Visit our website at  
[www.oawu.net](http://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.***