

# OAWU SPIRIT MOUNTAIN CASINO OPERATOR'S CONFERENCE



Spirit Mountain Casino, Grand Ronde, Oregon • Nov. 5 – 7, 2024  
Earn up to 2.0 CEUs in Water and 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  
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# Annual OAWU Spirit Mountain Casino Operator's Conference

Grand Ronde, Oregon • Nov. 5 – 7, 2024  
 27100 SW Salmon River Hwy, Grand Ronde

## ACCOMMODATIONS: (800) 760-7977

Call by Monday, October 7, 2024 for special room block rate:  
 \$119 (+ \$10 per additional guest) + tax.

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 \_\_\_\_\_

### Full Conference (Tuesday–Thursday, 2.0 CEUs) ESAC 6305

Conference Registration <i>Includes training sessions, coffee, and lunch each day</i>	Early Bird (postmarked by Oct. 7)	Standard (postmarked after Oct. 7)	Subtotal
OAWU Member	\$360	\$410	
Non-Member*	\$460	\$510	
<b>TOTAL REGISTRATION FEES</b>			

**TOTAL CONFERENCE FEES**

Payment Enclosed     Purchase Order: PO # \_\_\_\_\_     Please Invoice

***If paying by credit card, please call the OAWU office for processing and receipt.***

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 a seven-day prior notice.

Please keep a copy of your registration form or contact the OAWU office at 503-837-1212 for confirmation.

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

### SEND REGISTRATION FORM AND FEES TO:

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

TIME	CEUs	KALAPUYA A/B	MOLALLA A/B
<b>TUESDAY, NOVEMBER 5, 2024</b>			<b>0.7 CEUs</b>
<b>07:30–8:00 AM REGISTRATION &amp; COFFEE</b>			
8:00–10:00 AM	0.2	<b>Large Fuel Spills- How do they affect your Water and Wastewater Systems?</b> How a large-scale fuel leak affected one City’s systems. Steps taken on their systems during a recent fuel spill. What went well? What could be improved on? <i>Matt Johnson and Mark Landau, City of Monmouth</i>	No class in Molalla A/B this session  W/WW
<b>10:00–10:15 AM BREAK</b>			
10:15–12:00 PM	0.175	<b>Rural Water System Cyber Update</b> Current threat landscape for small U.S. sites with SCADA, ICS, and/or OT. Exactly who, what, why and how systems are being targeted. A Real-time look at what attackers see. How systems can defend themselves while also affordably addressing current and future government compliance. <i>Steven Menges, Alpha Guardian Networks, LLC</i>	<b>Biosolids Composting Project</b> City of Albany-Millersburg composting facilities are being constructed to process biosolid material for beneficial reuse as a Class A product. This includes covered piles, with in-ground aeration, a biofiltration odor control system, covered storage for amendments and finished compost. The biosolids storage facility will also be enclosed and have a canister system for treating noxious odors. <i>Craig Prosser, City of Albany Composting</i>
<b>12:00–1:00 PM LUNCH PROVIDED</b>			
1:00–2:00 PM	0.1	<b>Insurance for Water and Wastewater Systems</b> Types of insurance water and wastewater systems should carry to cover your greatest and most expensive assets: buildings, tanks, reservoirs, lines, appurtenances, valves and replacements.. <i>Cheri Martinen, Bancorp</i>	<b>Life After Inventory - Get Some Tech in Your LCRI Compliance Tool Belt!</b> Next steps in the LCRI compliance journey now that the initial service line inventories have been submitted. How to incorporate the power of technology into the strategy and maintain compliance.. <i>Liz Johns, T20 Water</i>
<b>2:00–2:15 PM BREAK</b>			
2:15–3:30 PM	0.125	<b>Utility Management for Small Systems in the 21st Century</b> Tools, techniques, and partners for asset management, long and short-term capital planning and finance, communicating with customers and delivering on the utility’s level of service, and the growing list of regulatory requirements. Can one person do all of this? <i>Michael W. Grimm, West Slope Water District</i>	<b>Deployment of Cellular AMI Systems for Distribution Management</b> Water Loss and Prevention Analytics and Enhanced Consumption Analysis <i>Ted Worth, Metron</i>
<b>3:30–3:45 PM BREAK</b>			
3:45–4:45 PM	0.1	<b>USDA Funding Options</b> Funding options for water and wastewater systems through USDA Rural Development in Oregon. Steps to take before a project is off the ground and working through the project from the funding side of things. <i>Holly Halligan, USDA</i>	<b>Benefits of Tank Mixing</b> Benefits of tank mixing in potable water storage tanks. Tank mixing and how it can help improve water quality inside water storage tanks. Mitigate stratification, TTHM’s and Bio-film inside water storage tanks. <i>Kevin Chappa, Big Wave Water</i>
<b>WEDNESDAY, NOVEMBER 6, 2024</b>			<b>0.725 CEUs</b>
<b>07:00–8:00 AM COFFEE</b>			
8:00–10:00 AM	0.2	<b>Flexible and Reliable SCADA Systems</b> SCADA is becoming more important, especially with cyber-attacks increasing control and be flexible with multiple systems combined into one simple, and easy to use system with advancements to protect against cyber-attack. <b>Analytic sensors to the next level</b> How to troubleshoot and take instant readings from your equipment. <i>Rich Owens, Owens Pump &amp; Equipment</i>	<b>How to Start and Fund Asset Management From Scratch</b> A real time data driven approach to implement or enhance asset management programs for your utilities. Comply with various regulations, condition assessments, planning, rate setting, project management and reporting requirements electronically. <i>Arnab Bhowmick, AKTIVOV Asset. Management</i>
<b>10:00–10:30 AM BREAK</b>			
10:30–12:00 PM	0.15	<b>Identifying buried utilities (poly Pipe)</b> Different methods of finding those utilities in the ground. We will go over such methods as an AML (all material locator), GPR (ground penetrating radar), and vac excavation methods. <i>Nick Frappier, Hydrovac</i>	<b>The Show Must Go On: Business Continuity, Succession Planning, and Emergency Response</b> Business continuity, emergency response, and succession planning concepts and tools. How to deal with such events in the future and operate in the new normal. <i>Arnab Bhowmick, AKTIVOV Asset. Management</i>
<b>12:00–1:30 PM LUNCH WITH EXHIBITORS PROVIDED</b>			<b>0.1 W/WW CEUs</b>

TIME	CEUs	KALAPUYA A/B	MOLALLA A/B
1:30–3:00 PM	0.15	<b>Ask The Old Guy</b> Bring your questions or problems you are having with your system. Darrel Lockard and the Circuit Riders will help with possible answers. <i>Darrel Lockard, OAWU</i>	<b>Hydraulic Control Valve Basics</b> Hydraulics, valve function, pilot system function, valve components, pressure reducing and relief valves, troubleshooting of common valves. Be able to set, troubleshoot, and maintain the system more effectively. <i>Patrick Miller, Cimco</i>
<b>3:00–3:30 PM</b>		<b>BREAK</b>	
3:30–4:45 PM	0.125	<b>NPSH and Cavitation in Centrifugal Pumps</b> Centrifugal pumps, how they operate in contrast to other pumping technologies, and the characteristics of kinetic pumps that make NPSH and Cavitation an issue. What is cavitation and illustrations of the damage that can be caused by it. NPSH will be looked at in context of the pump curve. <i>Bob Smith, Treatment Equipment Company</i>	<b>Pressure Sewer Systems – Deceptively Simple, Engineered for Reliability</b> These systems consist of a network of pressure pipes and grinder pumps installed at each residence or business. The grinder pump station collects the wastewater, grinds the solids to small particles, and conveys it to a larger sewer main or directly to a wastewater treatment plant. <i>Tim Owens, Correct Equipment</i>
<b>THURSDAY, NOVEMBER 7, 2024</b>			<b>0.575 CEUs</b>
<b>7:00–8:00 AM</b>		<b>COFFEE</b>	
8:00–10:00 AM	0.2	<b>Easements</b> Obtaining or expanding easements for water and wastewater infrastructure maintenance, repair, or replacement. <i>Laura Schroder and Kelsey Sibel, Schroder Law</i>	<b>Certification Update</b> Reviewing certification rules and requirements for water distribution and treatment certifications. <i>Tony Fields, OHA</i>
<b>10:00–10:15 AM</b>		<b>BREAK</b>	
10:15–12:00 PM	0.175	<b>Technology at your System</b> Explore how new technologies can be used in everyday services through real-life examples. We'll look at the benefits, the difficulties, and the questions that come up when these technologies are put to use. <i>Jason Coker, OAWU</i>	<b>Regulatory Update and Data Online</b> Current rules and regulations, changes that have been made recently and potential changes that may be coming. Review of the Oregon Health Authority Data Online website, how to use the website and all the useful tools and resources it holds. <i>Michelle Byrd and Tony Fields, OHA</i>
<b>12:00–1:00 PM</b>		<b>LUNCH PROVIDED</b>	
1:00–2:00 PM	0.1	<b>Customer Service Through AMI for Water and Wastewater Systems</b> Customer side leak detection and customer service, using all types of metering technology and frequency of reads. Common leak flow rates and how to determine likely sources using that information along with the potential cost and time savings to the utility for identifying leaks early. <i>Spencer Cashwell, City of Bend</i>	<b>New EPA Requirement: Asset Management Implementation</b> America's Water Infrastructure Act of 2018 amended Section 1420 subsections (c)(2) and (c)(3) of the SDWA, Asset Management and how Oregon will implement the new AWIA Act of 2018 requirement. <i>Phebe Howe, OHA</i>
<b>2:00–2:15 PM</b>		<b>BREAK</b>	
2:15–3:15 PM	0.1	<b>Apprenticeship</b> OAWU is very excited to announce an Apprenticeship Program for water and wastewater operators in Oregon learn how it works and how the system can be a part of it. <i>Heather Davis, Heath Cokely, and Jason Green, OAWU</i>	<i>No class in Molalla A/B this session</i>