

# 20th Annual End of Year Operator's Conference

Hood River Best Western Inn Hood River, Oregon

## December 3-6, 2018

Pre-conference class Monday, December 3

Earn up to 2.7 CEUs in Water or Wastewater. ESAC #3776

When finished reading, please route to:  
Office Manager(s), Administrators, City Managers,  
and/or Board Members.

Attention Water / Wastewater Departments

Address correction requested

Independence, Oregon 97351  
(503) 837-1212 Fax (503) 837-1213



Oregon Association of Water Utilities

935 N. Main St.

PRST STD  
US POSTAGE  
PAID  
SALEM, OR  
PERMIT NO. 463

# 20th Annual End of Year Operator's Conference Hood River Best Western Inn - Hood River, Oregon

December 3 - 6, 2018

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

Water Certification # \_\_\_\_\_ Wastewater Certification # \_\_\_\_\_ Working toward certification

System Name \_\_\_\_\_

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

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

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

## Pre-Conference (Monday)

<b>Monday Class Registration:</b>		Cost	Attending
Effective Utility Management (Lunch is on your own)	0.6 CEUs Water/Wastewater	No charge	Yes <input type="checkbox"/> No <input type="checkbox"/>

## Full Conference (Tuesday - Thursday)

**Full Conference Registration:**  
Conference training sessions, coffee & donuts, and lunch each day

OAWU Member

Early Bird (postmarked by Nov 5) \$305.00 \$ \_\_\_\_\_  
 Standard (postmarked after Nov 5) \$335.00 \$ \_\_\_\_\_

\*Nonmember

Early Bird (postmarked by Nov 5) \$405.00 \$ \_\_\_\_\_  
 Standard (postmarked after Nov 5) \$435.00 \$ \_\_\_\_\_

\*Each nonmember individual who attends the full conference will receive a one-year OAWU Individual Membership.

## Payment Information:

Payment Enclosed  Please Invoice  Purchase Order # \_\_\_\_\_ TOTAL AMOUNT \$ \_\_\_\_\_

*If paying by credit card, please call the OAWU office (503) 837-1212 for processing and receipt.*

Email Credit Card receipt to: \_\_\_\_\_

## Best Western Hood River Inn

1108 E. Marina Way

Hood River, OR 97031

Phone: (800) 828-7873



Guest room block available until November 10, 2018 Call (800) 828-7873 by the cutoff date for room block rate. Identify yourself as a member of the group.

Standard/Queen rate: \$99 + tax per night - Standard Non View rate: \$109 + tax per night.

Riverview King/Queen rate: \$119 + tax per night. Extra person - \$15 per night 13 years & older.

## Cancellation & Confirmation Policies:

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 (no later than Monday, November 26, 2018).

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

**SEND REGISTRATION FORM AND FEES TO:**

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



# 20th Annual End of Year Operator's Conference

## Monday, December 3, 2018 Pre-Conference Schedule

8:30-9:00 Registration

9:00-10:30 (0.15) Training Session

### Effective Utility Management:

Participate in a workshop for success at your water and wastewater utility. Look at challenges such as aging infrastructure, growth, adequate revenues that reflect true operational costs today and in the future. Assessing your strengths and weaknesses in a framework supporting a well rounded management approach.

Scott Berry, Jeff Crowther, OAWU

W/WW

10:30-10:45 Break

10:45-12:15 (0.15) Training Session

### Effective Utility Management:

(Continued)

W/WW

12:15-1:15 Lunch - On your own

1:15-3:15 (0.2) Training Session

### Effective Utility Management:

(Continued)

W/WW

3:15-3:30 Break

3:30-4:30 (0.1) Training Session

### Effective Utility Management:

(Continued)

W/WW



## Tuesday, December 4, 2018 - Conference Schedule

8:00-8:30 Registration

8:30-10:15 (0.175) Training Session

### 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.

Bill Bailey, EZ Street/Lakeside Industries

W/WW

10:15-10:30 Break

10:30-12:00 (0.15) Training Session

### Sodium Hypochlorite Basics

The different types of sodium hypochlorite. How to handle, manage, store, and deliver parameters specific to their plants. Design considerations for remodeling a chemical system.

Cindy Youst, HASA

W/WW

12:00-1:00 Lunch - Provided

1:00-3:00 (0.2) Training Session

### Pressure Reducing Station Design, Maintenance and Troubleshooting:

Design considerations and the essential components for a complete, functional pressure reducing station. Maintain and troubleshooting techniques.

Dale Fletcher, GC Systems

W/WW

3:00-3:15 Break

3:15-5:00 (0.175) Training Session

### Flushing and Sampling:

Pipeline biology, reactive and proactive flushing techniques, uni-directional flushing campaigns with AWWA sampling guidelines.

Geoff Robinson, F.J. Martin Company

W/WW



# 20th Annual End of Year Conference

## Wednesday, December 5, 2018 - Conference Schedule

7:30-8:00 Coffee & Donuts

8:00-10:00 (0.2) Training Sessions

**The Big Payback - Importance of Large Meter Analytics:**

Water Utilities effectively using advanced metering analytics to improve management of commercial and industrial accounts.

*Michele Harvey, Badger Meters*

W

10:00-10:15 Break

10:15-12:00 (0.175) Training Sessions

**Understanding and Addressing Well Performance Issues:**

Long term well performance is dependent on many factors beginning with how the well was constructed and later how it is operated and maintained.

*Jim Bailey, Shannon & Wilson*

W

12:00-1:00 Lunch - Provided

1:00-3:00 (0.2) Training Sessions

**The Economic Significance of a Flexible Drop Pipe:**

Discussing the benefits using Flexible drop pipe in a water well over your standard rigid pipe.

*Carlos Guerra, Hose Solutions Inc*

W

3:00-3:15 Break

3:15-5:00 (0.175) Training Sessions

**Certification Update:**

Reviewing certification rules and requirements for water distribution and treatment certifications.

*Tony Fields, OHA-DWS.*

W



**DEQ Wastewater Operator Certification Basics:**

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.

*Kimi Grzyb, DEQ*

WW

**Pre-treatment Strategies Lagoon Management:**

The importance of managing for pre-treatment and lagoon efficiency to optimize the efficiency of collections and plant operations.

*Rick Allen, Biolynceus*

WW

**Optimizing Solids Handling and Solids Reduction:**

Save the wastewater system's budget by improving wasting and reducing the amount of material that needs to be disposed and hauled.

*Rick Allen, Biolynceus*

WW

**WW System Design - Manhole Retrofitting:**

A look at new technologies that allow manholes to be repaired in a way to reduce I&I for a collection system.

*Lewis Titus, Titus Industrial Group*

WW



## Thursday, December 6, 2018 - Conference Schedule

7:30-8:00 Coffee & Donuts

8:00-9:30 (0.15) Training Session

**Control Valves: Removing the Mystery:**

How pilot systems work, troubleshooting, preventative maintenance, and startups.

*Steve Causseaux, Cimco Manufacturing*

W/WW

9:30-10:00 Break

10:00-12:00 (0.2) Training Sessions

**Control Valves: Removing the Mystery:**

(Continued)

W/WW

12:00-1:00 Lunch - Provided

1:00-2:30 (0.15) Training Session

**Hydro-Excavation:**

Tips, tricks and operator's safety in Hydro-Excavation including air conveyance, flow vs. pressure, filtration, set-ups and positioning of nozzles and vacuum tubes.

*Si Norris, Owen Equipment*

W/WW

2:30-2:45 Break

2:45-4:15 (0.15) Training Session

**Epoxy Coating Solutions for the Water and Wastewater Industry:**

Epoxy-based repair composites and coatings to repair and protect water and wastewater treatment facilities and equipment from erosion, corrosion, chemical attack, mechanical damage and leaks.

*Ryan Brown, Belzona Inc*

W/WW

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