

Monday, December 7, 2020

Pre-Conference

(0.6 CEUs)

9am – 4pm

Effective Utility Management

Water and wastewater facility challenges such as aging infrastructure, growth, and adequate revenues that reflect true operational costs today and in the future. Review ten key management areas, assessing your strengths and weaknesses with a framework of a well-rounded water and wastewater utility management approach.

Scott Berry, Keith Bedell, OAWU

W/WW

Tuesday, December 8, 2020

Conference Schedule

(0.7 CEUs)

8:30 – 10:15 (0.175)

Proper Specialty Valve Selection

Pros, cons, & proper application of check, control, & other specialty valves. Reviewing their operation & maintenance.

Steve Causseaux, Cimco-GC Systems

W/WW

10:15 – 10:30

Break

10:30 – 12:00 (0.15)

Pipe Management Tool Selection

The history of pipe bursting & piercing tools in the municipal market & discuss the use of different types of available equipment available & their benefits.

Scott Bevens, Ditchwitch West

W/WW

12:00 – 1:00

Lunch

1:00 – 3:00 (0.2)

Communicating with Engineers

Getting your point across in a technical world is vital to any engineered water or wastewater project. Methods to be clear & concise so that the engineer can understand what we want at our systems.

Mike Grimm, West Slope Water District

W/WW

3:00 – 3:15

Break

3:15 – 5:00 (0.175)

Submersibles & End of Suction Pumps

Water & wastewater pump maintenance, equipment used, the how & way to go about typical maintenance & fixing/replacement of these pumps.

Mark Carroll, Hurley Engineering

W/WW

Wednesday, December 9, 2020

Conference Schedule

(0.75 CEUs)

8:00 – 10:00 (0.2)

Water Loss Reduction

Pressure management & how using control valves, demand-based set points, & DMAs can reduce water loss. Active leakage control remotely to catch leaks. Speed & quality of repairs to existing leaks & pipeline & asset management process & how to plan a replacement program.

Mike Uthe, Mueller

W

10:00 – 10:15

Break

10:15 – 12:00 (0.175)

System Management for Water Loss Control

We will review Oregon's new water loss control rules, the AWWA water audit process, how these methods support water system management & methods for identifying & reducing apparent water loss to determine real water loss.

Michele Harvey, Badger Meter Inc.

W

12:00 – 1:00

Lunch

1:00 – 3:00 (0.2)

Leak Detection

This course is designed to provide you with some basic knowledge of leak detection practices and correlation methods. Students will be instructed in the basics and background theory of leak detection to better utilize basic correlation techniques for distribution and collection systems. Participants will learn various methods available to identify and find leaks. A variety of equipment will be demonstrated and used to aid students in accurately pinpointing leaks in all types of pipe materials.

Scott Berry, Heath Cokeley, OAWU Staff

W

3:00 – 3:15

Break

3:15 – 5:00 (0.175)

Your Smart Water Journey

From mobile systems to Smart Water managed solutions with all the steps in-between. Define what a smart utility really means & the next step—no matter what that is for you. Will also examine the features & benefits of various data collection & data management methods to find the best solution for your utility & customers.

Tim Loosier, Neptune Technology Group

W

Thursday, December 10, 2020

Conference Schedule

(0.65 CEUs)

8:00 – 9:30 (0.15)

Corrosion Protection 101

How to mitigate for corrosion in water & wastewater by using proper coatings & lining materials. Preparing substrates & choosing materials for maximum service life; Assessing & Identifying service environments & developing systems & choices based on project timelines, service life & budgetary objectives.

Ron Watts, PPG Industries

W/WW

9:30 – 9:45

Break

9:45 – 11:45 (0.2)

Asset Management

Step through the “normal” day of an operator to show how we can develop a prioritization list of system components, preventative maintenance schedules, repairs, & needed replacements for the sustainability of the system to inform managers & directors, as well as provide periodic reminders for operations staff.

Jim Shaver, Pace Engineering

W/WW

11:45 – 1:00

Lunch

1:00 – 2:30 (0.15)

5 Ss to Excavation Safety

Role of competent person, underground installations, access & egress, vehicular traffic, hazardous atmospheres, stability of adjacent structures, protection from loose soil, inspections & fall protection.

Eric Fullan, City of Hillsboro

W/WW

2:30 – 2:45

Break

2:45 – 4:15 (0.15)

5 Ss to Excavation Safety

Continued

W/WW

Friday, December 11, 2020

Conference Schedule

(0.925 CEUs)

8:00 – 9:45 (0.175)

Wastewater Modeling Process & Benefits

Wastewater modeling, including flow monitoring requirements, & the benefits of a working model regarding inflow & infiltration rehab, planning & development studies & future flow predictions for design storms & urban growth boundary expansions.

Samuel Novac, Novac Industries LLC **WW**

9:45 – 10:00

Break

10:00 – 12:00 (0.2)

Phase Assessments for Sewer Systems

Review the history of sanitary sewers, reasons for inspections assessments, identifying defects that better assist in management planning, prioritizing renovation of the collection system.

Jim Brown, True North Equipment

WW

12:00 – 1:45 (0.175)

Collections Plugging Solutions & Industrial WW Pre-Treatment

Various pump application prevents collection systems from plugging, discussion will focus on concept & design. Industrial pre-treatment options for the future & the role upcoming technologies & what could replace existing standards.

Rich Owens, Owens Pump & Equipment **WW**

1:45 – 5:30 (0.375)

Changing World of Pretreatment

What should you be doing to combat the changing world of wastewater regulations & what to expect moving forward?

Lagoon Management & Solids Reduction

Discuss the basics of current lagoon management, from toxic surges to controlling solids, preparing for the future with better certainty.

Tanner Hartsock, BioLynceus LLC

W/WW