

## Hood River Scheduling - Outline

MONDAY		DECEMBER 7, 2020	
09:00 AM – 04:45 PM	<p><b>Effective Utility Management</b></p> <p>Participate in a workshop for success at your water and wastewater facility. Look at challenges such as aging infrastructure, growth, and adequate revenues that reflect true operational costs today and in the future. At this workshop, you will be involved in ten key management areas, assessing your strengths and weaknesses with a framework conducive of a well-rounded water and wastewater utility management approach.</p> <ul style="list-style-type: none"> <li>• 9:00-10:30 (0.15) Review of the “Keys to Success” pertaining to leadership, strategy planning, organization structure and measurement with an on-going framework towards improvement for water and wastewater utilities.</li> <li>• 10:30-10:45 Break</li> <li>• 10:45-12:15 (0.15) Understanding the current conditions, providing a “ranking” order of attributes and deficiencies of 10 areas in your water and wastewater utility, which will allow for providing and implementing an improvement plan.</li> <li>• 12:15-1:15 Lunch Break</li> <li>• 1:15-3:15 (0.2) A look at the detail measurement of root causes in areas of under-performance and developing methods to reach the goals and timeframe associated with reaching the goal for your water and wastewater utility.</li> <li>• 3:15-3:30 Break</li> <li>• 3:30-4:30 (0.1) Water and wastewater operators and decision makers will use resource tools to define and select the best management practices for specific challenges are to mitigate concerns and position the utility for the future.</li> </ul> <p><b>0.6 W/WW</b>     <b>Scott Berry, Jeff Crowther, OAWU</b></p>		
TUESDAY		DECEMBER 8, 2020	
Time		0.7 CEU TOTAL	
08:15 – 08:30 AM	Registration and Introduction		
08:30 – 10:15 AM	0.175	<p><b>Proper Specialty Valve Selection</b></p> <p>Looking at pros and cons of check valves and the practicality in different applications, their operations and maintenance of what to expect in the field. Specialty valves that perform a variety of functions and how those valves have limitations and advantages in the respective categories.</p> <p><b>Steve Cousseaux, Cimco-GC Systems</b> <span style="float: right;"><b>W/WW</b></span></p>	
10:15 – 10:30 AM	Break		
10:30 – 12:00 AM	0.15	<p><b>Pipe Management Tool Selection</b></p> <p>Discuss the history of both pipe bursting and piercing tools in the municipal market and discuss the types of equipment available and the benefits of each type. I also discuss the proper use for each type of equipment.</p> <p><b>Scott Bevans, Ditchwitch West</b> <span style="float: right;"><b>W/WW</b></span></p>	
12:00 – 01:00 PM	Lunch provided		
01:00 – 03:00 PM	0.2	<p><b>Communicating with Engineers</b></p> <p>Effective ways to communicate with engineers on your water and wastewater projects. Getting your point across in a technical world is vital to any water and wastewater project that will need to be engineered. Come learn methods to be clear and concise so that the engineer can understand what we want at our systems.</p> <p><b>Mike Grimm, West Slope Water District</b> <span style="float: right;"><b>W/WW</b></span></p>	
03:00 – 03:15 PM	Break		
03:15 – 05:00 PM	0.175	<p><b>System Management for Water Loss Control</b></p> <p>This session will kick-off the discussion of water system management improvements based on Oregon’s new water loss control rules. We will review Oregon’s new rules, the AWWA water audit process, provide an example of how these methods support better water system management and introduce methods for identifying and reducing apparent water loss to determine real water loss.</p> <p><b>Michele Harvey, Badger Meter Inc.</b> <span style="float: right;"><b>W</b></span></p>	<p><b>Wastewater Modeling Process and Benefits</b></p> <p>An in-depth look at the creation of a wastewater model, including flow monitoring requirements, and the benefits of a working model in regard to inflow &amp; infiltration rehab, planning and development studies and future flow predictions for design storms and urban growth boundary expansions.</p> <p><b>Samuel Novac, Novac Industries LLC</b> <span style="float: right;"><b>WW</b></span></p>
WEDNESDAY		DECEMBER 9, 2020	
0.75 CEU TOTAL		0.75 CEU TOTAL	
WATER		WASTEWATER	
08:00 – 10:00 AM	0.2	<p><b>Water Loss Reduction</b></p> <p>This class will discuss how to manage water loss with four main points. First will be on pressure management and how using control valves, demand</p>	<p><b>Phase Assessments for Sewer Systems</b></p> <p>Review the history of sanitary sewers, reasons for inspections assessments, identifying defects that</p>

## Hood River Scheduling - Outline

		<p>based set points, and DMAs can reduce water loss. The next will be on active leakage control and how monitoring systems can help remotely catch leaks before they become catastrophic. The third will be on the speed and quality of repairs to existing leaks. Lastly, the class will cover the pipeline and asset management process and how to best plan a replacement program.</p> <p><b>Mike Uthe, Mueller</b></p>	<p>better assist in management planning, prioritizing renovation of the collection system.</p> <p><b>Jim Brown, True North Equipment</b></p>	<b>WW</b>
10:00 – 10:15 AM		<b>Break</b>		
10:15 – 12:00 PM	0.175	<p><b>Service of Submersibles and End of Suction Pumps and Related Equipment</b></p> <p>Looking at water and wastewater pump maintenance, equipment used, the how and way to go about typical maintenance and fixing/replacement of these pumps.</p> <p><b>Mark Carroll, Hurley Engineering</b></p>	<p><b>Changing World of Pretreatment</b></p> <p>What should you be doing to combat the changing world of wastewater regulations and what to expect moving forward?</p> <p><b>Tanner Hartsock, BioLynceus LLC</b></p>	<b>WW</b>
12:00 – 01:00 PM		<b>Lunch provided</b>		
01:00 – 03:00 PM	0.2	<p><b>Hydrants and Valves</b></p> <p>A Hands-on class focusing on repair assembly of fire hydrants and specific valves and the proper application as it relates to maintenance.</p> <p><b>Brian Anderson, American Flow Control</b></p>	<p><b>Lagoon Management and Solids Reduction</b></p> <p>Discuss the basics of current lagoon management, from toxic surges to controlling solids, preparing for the future with better certainty.</p> <p><b>Tanner Hartsock, BioLynceus LLC</b></p>	<b>WW</b>
03:00 – 03:15 PM		<b>Break</b>		
03:15 – 05:00 PM	0.175	<p><b>Your Smart Water Journey</b></p> <p>The terms Smart City and Smart Water are thrown around a lot these days. But what does that even mean? With all of the meter reading and technology options out there, how do you make your utility “Smart”? This session will discuss the evolution from mobile systems through to a Smart Water managed solution with all of the steps in-between. We will help define what a smart utility really means and discuss your options for migrating to the next step – no matter what that is for you. We will also examine the features and benefits of various data collection and data management methods, so that you can decide what is the best solution for your utility and your customers.</p> <p><b>Tim Loosier, Neptune Technology Group</b></p>	<p><b>Collections Plugging Solutions and Industrial WW Pre-Treatment</b></p> <p>Various pump application prevents collection systems from plugging, discussion will focus on concept and design. Industrial pre-treatment options for the future and the role upcoming technologies and what could replace existing standards.</p> <p><b>Rich Owens, Owens Pump &amp; Equipment</b></p>	<b>WW</b>
<b>THURSDAY      0.65 CEU    TOTAL      <span style="float: right;">DECEMBER 10, 2020</span></b>				
08:00 – 09:30 AM	0.15	<p><b>Corrosion Protection 101</b></p> <p>An overview of corrosion in water and waste applications, and how it can be mitigated by using proper coatings and linings materials. A discussion on preparing substrates and choosing proper materials for maximum service life; Assessing and Identifying service environments and developing systems and choices based on service life objectives, budgetary objectives, and project timelines.</p> <p><b>Ron Watts, PPG Industries</b></p>		<b>W/WW</b>
09:30 – 10:00 AM		<b>Break</b>		
10:00 – 12:00 PM	0.2	<p><b>Asset Management</b></p> <p>By stepping through the “normal” day of an operator we will show how you can develop a prioritization list of system components, mandatory preventative maintenance schedules, repairs, and needed replacements for the sustainability of the system as a whole that can be used for informing managers and directors, as well as providing periodic reminders for operations staff.</p> <p><b>Jim Shaver, Pace Engineering</b></p>		<b>W/WW</b>
12:00 – 01:00 PM		<b>Lunch provided</b>		
01:00 – 02:30 PM	0.15	<p><b>5 Ss to Excavation Safety</b></p> <p>Role of competent person, underground installations, access &amp; egress, vehicular traffic, hazardous atmospheres, stability of adjacent structures, protection from loose soil, inspections &amp; fall protection.</p> <p><b>Eric Fullan, City of Hillsboro</b></p>		<b>W/WW</b>
02:30 – 02:45 PM		<b>Break</b>		
02:45 – 04:15 PM	0.15	<b>Eric Fullan – 5-Ss to Excavation Safety (Continued)</b>		<b>W/WW</b>
		<b>Total CEUs: 2.1 Water or Wastewater</b>		