

# Hood River Scheduling - Outline

MONDAY		DECEMBER 6, 2021	
09:00 AM – 04:45 PM	<b>Effective Utility Management:</b> Take part 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. <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 makes 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>		
0.6	Scott Berry, OAWU	W/WW	
TUESDAY		0.75 CEU TOTAL	
		DECEMBER 7, 2021	
Time			
07:45 – 08:00 AM	Registration and Introduction		
08:00 – 10:00 AM	0.2	<b>Proper Specialty Valve Selection</b> The 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. <b>Steve Causseaux, Cimco-GC Systems</b>	
		W/WW	
10:00 – 10:15 AM	Break		
10:15 – 12:00 PM	0.175	<b>Pipe Management Tool Selection</b> The history of both pipe bursting and piercing tools in the municipal market and the types of equipment available and benefits of each type. Scott also discusses the proper use for each type of equipment. <b>Scott Bevans, Ditchwitch West</b>	<b>Locating Basics</b> Damaging other utilities is extremely costly to the water and wastewater industries. This class will review the basics of how to properly find buried utilities to avoid these costly repair bills. <b>Doug Dato, Trade Tool</b>
		W/WW	W/WW
12:00 – 01:00 PM	Lunch provided		
01:00 – 03:00 PM	0.2	<b>Service of Submersibles and End of Suction Pumps and Related Equipment</b> Review of water and wastewater pump maintenance, equipment used, the how and way to go about typical maintenance and fixing/replacement of these pumps. <b>Mark Carroll, Hurley Engineering</b>	<b>A.D. Air Driven Floating Aerators/Mixers</b> New methods for efficient lagoon aeration and mixing. Chemical Free Odor Control Along Conveyance Systems Case studies on De-Centralized systems, and incorporating technologies such as aeration, ozone, & mixing. <b>Lewis Titus, Titus Industries</b>
		W/WW	WW
03:00 – 03:15 PM	Break		
03:15 – 05:00 PM	0.175	<b>Communicating with Engineers</b> Effective ways to communicate with engineers. Getting your point across in a technical world is vital to any water and wastewater project. Learn to be clear and concise so that the engineer can understand what we want at our systems. <b>Mike Grimm, West Slope Water District</b>	<b>Wastewater Modeling Process and Benefits</b> Creating wastewater models, including flow monitoring requirements, and the benefits of a working model regarding inflow & infiltration rehab, planning and development studies and future flow predictions for design storms and urban growth boundary expansions. <b>Samuel Novac, Novac Industries LLC</b>
		W/WW	WW

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WEDNESDAY		0.75 CEU TOTAL	DECEMBER 8, 2021	
		WATER	WASTEWATER	
08:00 – 10:00 AM	0.2	<b>Water Loss Reduction</b> Pressure management and how using control valves, demand-based set points, and DMAs. Active leakage control and how monitoring systems can help remotely catch leaks before they become catastrophic. Speed and quality of repairs to existing leaks. Pipeline and asset management process and how to best plan a replacement program. <b>Mike Uthe, Mueller</b>	<b>Phase Assessments for Sewer Systems</b> Review the history of sanitary sewers, reasons for inspections assessments, identifying defects that better assist in management planning, prioritizing renovation of the collection system. <b>Jim Brown, True North Equipment</b>	WW
10:00 – 10:15 AM		Break		
10:15 – 12:00 PM	0.175	<b>Water Production – Cost per Unit</b> Moving water will cost money! How we move water is dependent on type of source, quantity of water, location of diversion and proper power equipment used. Maintaining said equipment is a key factor when comparing gallons to kilowatts. <b>Kriss Schneider, Schneider Equipment</b>	<b>Changing World of Pretreatment</b> What should you be doing to combat the changing world of wastewater regulations and what to expect moving forward? <b>Tanner Hartsock, BioLynceus LLC</b>	WW
12:00 – 01:00 PM		Lunch provided		
01:00 – 03:00 PM	0.2	<b>Hydrants and Valves</b> Hands-on class looking at repair assembly of fire hydrants and specific valves and proper application as it relates to operations and maintenance. <b>Brian Anderson, American Flow Control</b>	<b>Lagoon Management/Solids Reduction</b> Discuss the basics of current lagoon management, from toxic surges to controlling solids, preparing for the future with better certainty. <b>Tanner Hartsock, BioLynceus LLC</b>	WW
03:00 – 03:15 PM		Break		
03:15 – 05:00 PM	0.175	<b>Flushing and Sampling</b> From water quality testing, flushing procedures and obtaining the goal of keeping high quality water, explore the methods put in place to achieve your goals. <b>Geoff Robinson, FJ Martin</b>	<b>Collections Plugging Solutions</b> 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. <b>Rich Owens, Owens Pump &amp; Equipment</b>	WW
THURSDAY		0.675 CEU TOTAL	DECEMBER 9, 2021	
08:00 – 09:45 AM	0.175	<b>Corrosion Protection 101</b> 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. <b>Ron Watts, PPG Industries</b>	W/WW	
09:45 – 10:00 AM		Break		
10:00 – 12:00 PM	0.2	<b>Asset Management</b> 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. <b>Jim Shaver, Pace Engineering</b>	W/WW	
12:00 – 01:00 PM		Lunch on your own		
01:00 – 02:30 PM	0.15	<b>5 Ss to Excavation Safety</b> Role of competent person, underground installations, access & egress, vehicular traffic, hazardous atmospheres, stability of adjacent structures, protection from loose soil, inspections & fall protection. <b>Eric Fullan, City of Hillsboro</b>	W/WW	
02:30 – 02:45 PM		Break		
02:45 – 04:15 PM	0.15	<b>Eric Fullan – 5-Ss to Excavation Safety Continued</b>	W/WW	
		Total CEUs: 2.1 Water or Wastewater		