



# American Water Works Association Pacific Northwest Section

## Conference Program Committee Report Fall Trustees Meeting Mt. Bachelor Village, Oregon October 5-6, 2017

### *2018 Conference Program – Tacoma, Washington*

Program Development – In response to survey feedback regarding the length of downtime between technical sessions, we have shortened Friday's lunch break by an hour, and moved that hour into Thursday's lunch break. On Thursday, we have added a 2-hour late morning technical session, and shortened the afternoon technical session from 3 hours to 2 hours. This, combined with the early bird session, results in a total training time on Thursday of 5 hours. Wednesday and Friday both have 6 hours of training, for a total of 1.7 CEUs offered for the conference. We have space to offer 8 concurrent sessions, all of which are filled except for 2 early birds. We have received approximately 171 abstracts to date, compared with 145 as of this time last year. We expect 25-30 more solicited abstracts from a few committees to round out their programs.

A schedule was drafted and sent to committees the last week of September. A copy of the initial draft is attached. We have 4 preconference seminars:

- Engineering and Distribution are co-sponsoring one on emergency management.
- Conservation is addressing "Their Side of the Meter", focusing on end-user audits and site visits.
- The TCC is conducting two Train-the-Trainer sessions, for the Emergency Preparedness and the Water Storage trainings-in-a-box.
- South Sound Subsection is holding a construction management seminar.

Sponsoring committees include Engineering, Distribution, History, Water Quality, Water Resources, Water Treatment, Utility Management, Public Officials, Water Information Technology, Young Professionals, Public Information, Customer Service, Conservation, Cross-Connection Control, Research, Wastewater, and the SAC.

Thanks to an abundance of good abstracts and a few committees that proactively chose to co-sponsor a session, we have very few direct conflicts to resolve this year. We will continue working with committees before the October meeting, and expect to have a final draft of the schedule by the end of that meeting.

In cooperation with Kristin Young and the MSC Committee, we are also exploring the possibility of offering vendors an opportunity to conduct CEU training sessions in the vendor hall. We have some logistical challenges to work through, but chances look good for a pilot this year.

Budget – We are requesting \$425 for 2018. \$300 is for the CEU application process, including producing the packages, application fees and postage. The remainder is to purchase 2 wireless presenters that have worn out.

Respectfully submitted,

Cheryl Capron, Chair  
Seattle Public Utilities

Jacki Masters, Vice Chair Tacoma 2018  
Mountain View-Edgewood Water Company

2018 Conference Program Schedule

DRAFT - 9/22/2017

Maximum CEUs Possible

Idaho water - ??      Oregon water - ??      WDOH water - ??  
 Idaho wastewater - ??      Oregon wastewater - ??      WDOE wastewater - ??

Bold indicates solicited abstract

Red indicates conflict to be resolved

Purple indicates missing abstract

time mismatch

Wednesday, April 25

Morning		Morning Pre-Conference Seminar								
Room	315 (140)	316 (170)	317 (140)	318 (140)	404 (70)	405 (90)	406 (40)	407 (140)		
Hosting Committee		Engineering & Distribution			Conservation	South Sound Subsection	Training Coordination - Training in a Box			
		<b>Emergency Management</b>			<b>Their Side of the Meter (FULL DAY)</b>	<b>Construction Mgmt</b>	<b>Emergency Preparedness</b>			
Moderator		Erika Murphy			TBD	Michael Lubovich	Loren Searle			
8:30 -12:00		<b>39 - When the Big One Hits, Will Your Pipes and Valves Stand the Test? Evaluating Pipe and Valve Redundancy in Sammamish Plateau Water's System</b>			<b>116 - Their Side of the Meter: Using End-User Audits To Control Inefficiencies For the Other Distribution Systems</b>	<b>Construction Mgmt</b>	<b>68 - Train the Trainers (TIAB): Emergency Preparedness - Jeff Lundt</b>			
With two 15-minute breaks or three 10-minute breaks		7 - Pipeline Design Considerations to Increase Seismic Resilience for Ductile Iron Pipe Applications				<b>Construction Mgmt</b>				
		<b>165 - Resilient Pipeline Design for Yard Piping of the JWC 85 MGD Expansion</b>				<b>Construction Mgmt</b>				
		97 - Be Flexible - Earthquake Resistant Ductile Iron Pipe Design				<b>Construction Mgmt</b>				
		<b>9 - 22 Tanks, 3 Concerns, 1 Opportunity</b>				<b>Construction Mgmt</b>				
CEUs		ID-0.3 / OR-0.3 / WA-0.3 pending			<b>Full Day, must attend both sessions for credit</b>	ID-0.3 / OR-0.3 / WA-0.3 pending	ID-0.3 / OR-0.3 / WA-0.3 pending			

Afternoon	Afternoon Pre-Conference Seminar							
Room	315 (140)	316 (170)	317 (140)	318 (140)	404 (70)	405 (90)	406 (40)	407 (140)
Hosting Committee		Engineering & Distribution			Conservation	South Sound Subsection	Training Coordination - Train the Trainers (TIAB)	
		Emergency Management			Their Side of the Meter (FULL DAY)	Construction Mgmt	Water Storage	
Moderator		Carmen Brown				Michael Lubovich	Jeff Lundt	
1:00 - 4:30		71 - Managing Sustained Emergency Operations after a Major Earthquake (The Details You Probably Haven't Thought About Because You Haven't Been Through One...Yet)			Their Side of The Meter - Field Visits	Construction Mgmt	69 - Train the Trainers (TIAB): Water Storage - Loren Searle	
		120 - Tacoma Water Comprehensive All Hazards Vulnerability Assessment				Construction Mgmt		
		109 - Seismic Resiliency Lessons Learned Along the Way				Construction Mgmt		
		132 - So How Much Water Do You Really Need? EWEB's On-Going Efforts at Developing an Emergency Water Supply System				Construction Mgmt		
		65 - Water System Resilience and System Operation for Normal and Post-Earthquake Conditions - Lake Oswego Water Master Plan 2017 Update				Construction Mgmt		
		145 - The Regional Water Providers Consortium's Development of a Regional Water System Geodatabase to Promote Collaboration in an Emergency				Construction Mgmt		
With two 15-minute breaks or three 10-minute breaks								
CEUs		ID-0.3 / OR-0.3 / WA-0.3 pending			ID-0.6 / OR-0.6 / WA-0.6 pending	ID-0.3 / OR-0.3 / WA-0.3 pending	ID-0.3 / OR-0.3 / WA-0.3 pending	

**Thursday, April 26**

Thursday, April 26									
Morning	Thursday Early Bird Session								
Room	315 (140)	316 (170)	317 (140)	318 (140)	404 (70)	405 (90)	406 (40)	407 (140)	
Hosting Committee	Distribution	Engineering	History	Water Quality	Water Resources	Water Treatment			
Moderator	TBD	Greg Loscher	Catherine Howells	TBD	Robyn Cook	TBD			
7:00 - 8:00 (must attend full hour for credit)	<b>91 - Bursting at the Seams - Serving Growth in a Small Water System</b>	44 - City of Pasco Butterfield WTP Intake Screen Replacement - Case Study	<b>3- History of Northwest Utilities</b>	<b>144 - Improving Water Quality Sampling at Tacoma Water</b>	27 - Water Supply Well Construction and Design	32 - Two Utilities Take Different Approaches to Dealing with PCE Contamination of Their Wells (30)			
	48 - Front-End Planning for Capital Project Success	64 - Rehabilitating Surface Water Intake Facilities at Mountainous Streams				41 - The Basics of Onsite Chlorine Generation (60)			
CEUs	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	
8:00 - 9:30	<b>Opening General Session - 3rd Floor Ballroom</b>								
Morning	Thursday Morning Technical Session								
Room	315 (140)	316 (170)	317 (140)	318 (140)	404 (70)	405 (90)	406 (40)	407 (140)	
Hosting Committee	Distribution	Engineering	Public Officials	Utility Management	Water Information Technology	Water Treatment	Young Professionals	Public Information	
Moderator	TBD	TBD		Andy Tuchscherer	Robert Barrett	TBD			
9:45 - 10:45 (must attend full hour for credit)	62 - Paine Field Reservoir Recoating - How Do You Recoat a Reservoir in Half the Time You Need?	<b>18 - 2018 Excellence in Engineering Award Winners</b>	<b>131 - Monetizing and Spatially Representing the Impact of Failing Water Main Infrastructure</b>	19 - Asset Management Made Easy	TBD from Bob Ward	<b>31 - Results and Implementation of Tacoma Water's Corrosion Control Assessment and Lead Reduction Program</b>	14 - Lead By Example	<b>158 - Backflow Incident Notifications</b>	
				<b>89 - City of Bellevue Utilities - Small Diameter Water Main Replacement Program</b>		166 - Options and Evaluations of Silica Removal From Drinking Water for the City of Longview Water Supply System			59 - The Kids Are Alright - Progression Planning with Millennials
CEUs	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	
10:45 - 11:00 Break									



**Friday, April 27**

Friday Morning Technical Session											
Morning										Requested, no room for 3 hours.	Requested, no room for 3-hour session.
Room	315 (140)	316 (170)	317 (140)	318 (140)	404 (70)	405 (90)	406 (40)	407 (140)	Young Professionals	Public Officials	
Hosting Committee	Distribution	Engineering	Water Info Tech	Water Quality	Water Resources / Conservation	Research	Wastewater	Water Treatment			
Moderator				TBD	Patrick Craney	Alex Mofidi	Eric Schey				
8:30 - 9:30 (must attend full hour for credit)	54 - Water Utility Pipeline Risk Assessment	34 - Water Pump Stations - Condition Assessment and Life Cycle Planning	121 - How Does That Work?	TBD - EPA Region X Regulatory Update	47 - Achieving Measureable Results in Conservation	33 - Field Evaluation of Flushing Techniques for Microbial Water Quality Control - Andrew Hill	53 - West Point Treatment Plant Flood, Recovery & Prevention - Harold Perry	125 - Tracer Study of a Small Storage Tank (60min)	13 - The Right Stuff	9 - 22 Tanks, 3 Concerns, 1 Opportunity	
	TBD - Repair or Replace? Using Inline Technology to Assess Critical Steel Transmission Mains	45 - Morse Lake Pump Plant - Portable Floating Pump Station Improves Water Supply Reliability for Seattle Public Utilities	149 - Implementing and Adopting Innovation in Water Systems	TBD - Washington Department of Health Regulatory Update				87 - Not Just Your Father's Chlorine Safety: A Lesson in Modern Chemical Safety Techniques	14 - Lead By Example	74 - Leadership in the Utility of the Future	
CEUs	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	DW ID-0.1 / OR-0.1 / WDOH-0.1 WW ID-0.1 / OR-0.1 / WDOE-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending			
9:30 - 9:45 Break											
9:45 - 10:45 (must attend full hour for credit)	161 - Predicting the Remaining Life of Pipe (Cast Iron, Ductile Iron, and Asbestos Cement) With Acoustic Testing	112 - Bolton Reservoir and Supply Main Replacement (30min)	138 - Transitioning a Water Utility Into An Enterprise Geographic Information System	TBD - Oregon Health Authority Regulatory Update	21 - Leveraging Conservation Programs for Drought Response	85 - Evaluating a Flushing Technology to Address Flush Discharge Water Disposal Concerns - Stephen Booth	55 - Planning for Testing, Commissioning and Startup of Treatment Plants & Pump Stations - Tina Hastings	130 - The Hayden Bridge Water Treatment Plant - A Decade of Improvement or a Decade of Frustration, Depends on Who You Ask	Fresh Ideas Poster Contest	125 - Tracer Study of a Small Storage Tank (60 min)	
	162 - Pipe Rehabilitation With Structural Epoxy Spray Lining	125 - Tracer Study of a Small Storage Tank (60min)	145 - The Regional Water Providers Consortium's Development of a Regional Water System Geodatabase to Promote Collaboration in an Emergency	35 - Idaho Department of Environmental Quality Regulatory Update	84 - Efficiency Partnerships in a College Town	42 - Corrosion Control Treatment: Lessons Learned from the Field - Milt Larsen		127 - Treatment Problems When Dealing With Very Clean Water		129 - Easement Acquisition Doesn't Have to Be Like a Trip to the Dentist	
CEUs	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	DW ID-0.1 / OR-0.1 / WDOH-0.1 WW ID-0.1 / OR-0.1 / WDOE-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending			
10:45 - 11:00 Break											
11:00 - 12:00 (must attend full hour for credit)	141 - Long-Term Storage and Maintenance of Out-of-Service Pipelines	50 - Dive Evaluations of Water Storage Tanks - Do's and Don'ts	75 - SUEZ - Envisioning a Smart Utility	TBD - Washington Water Utility Council Perspective	90 - Developing a Water Conservation Goal: Process and Considerations	49 - Optimized Corrosion Control Treatment: Bench-Scale Testing for Portland Water Bureau - Damon Roth	60 - Biosolids & Residuals Management Using Land Application - Jake Finlinson	154 Green River Filtration Facility Biofiltration Performance Evaluation	16 - The Power of Narrative: How Effective Narrative-driven Communication Can Break Down Barriers and Help Critical Work Move Forward (customer service solicited)	131 - Monetizing and Spatially Representing the Impact of Failing Water Main Infrastructure (60)	
	4 - Fixed-Screen Surface Water Intakes – Trenchless Construction	18 - Living with a Reservoir's Floating Cover - 15 Years and Counting...		TBD - Small System Perspective	119 - Outdoor Water Conservation as a Source of Supply 2.0 - Updated Survey of NW Communities and Vancouver Case Study	51 - Optimized Corrosion Control Treatment: Pilot-Scale Testing for Portland Water Bureau - Alex Mofidi		148 - Breaking a Paradigm: Benefits of Chlorine and Other Oxidants on Biofiltration		59 - The Kids Are Alright - Progression Planning with Millennials	150 - Evolving Utilities to Meet the Changing Demands of Our Communities
CEUs	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	DW ID-0.1 / OR-0.1 / WDOH-0.1 WW ID-0.1 / OR-0.1 / WDOE-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending			

Afternoon	Friday Afternoon Technical Session								
Room	315 (140)	316 (170)	317 (140)	318 (140)	404 (70)	405 (90)	406 (40)	407 (140)	Requested, no room for 3 hours.
Hosting Committee	Distribution	Competitions	Engineering / Treatment	Water Quality	Water Resources / Water Quality	Utility Management	Wastewater	Water Info Tech	Young Professionals
Moderator	Doug Priest		TBD		Jacob Krall	Eric Schey			
1:00 - 2:00 (must attend full hour for credit)	56 - From Trains to Mains - Relocating 12,000' of Water Main in the Downtown Corridor for the New Tacoma Link	Gimmicks & Gadgets	92 - A Tale of Two Pilot Tests	101 - Level 2 Alert - We Just Lost a Pressure Zone	103 - City of Salem's Harmful Algal Bloom Monitoring and Response Program - A Utility's Experience	13 - The Right Stuff	61 - Moving to Automated SCADA Control of Water & Wastewater Treatment Plants - Bud Titus (60 min)	23 - The NIST Cybersecurity Framework (CSF) and Its Relationship to Water/Wastewater Cybersecurity	86 - Creating the Next Generation Workforce
	81 - Optimizing WWSP's Trenchless Pipeline Crossing of the Tualatin River		106 - Comparing Polymeric and Ceramic Membranes in a Challenging Secondary Effluent Application	TBD - Tualatin Valley Water District - Main Break Response	22 - Control of Harmful Algae Blooms and Dreissenid Mussels Through a More Rational Use of Copper	86 - Creating the Next Generation Workforce	63 - Security for Plant Wi-Fi Networks - Bud Titus	24 - Clouds & Things: The implications of Cloud and Internet-of-Things for SCADA/ICS	146 - Develop Leadership Skills and Success by Mentoring
CEUs	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	DW ID-0.1 / OR-0.1 / WDOH-0.1 WW ID-0.1 / OR-0.1 / WDOE-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	
2:00 - 2:15 Break									
2:15 - 3:15 (must attend full hour for credit)	31 - Tacoma's Corrosion Control	Top Ops	113 - Removal of 1,4-Dioxane from Groundwater Using Advanced Oxidation	117 - Portland's Cryptosporidium Detections: Investigation and Outcome	TBD - Addressing Potential Risks from Algal Blooms in Water Supplies	98 - Setbacks When Employees Retire or Leave (45 min)	58 - Membrane Bioreactor Operations & Control - Pete Carter	70 - A Vision for the Future on Mercer Island: SCADA Master Planning	TBD - Lightning Talks
	164 - Getting Rid of Lead: Removing Tacoma Water's Last Lead Goosenecks		124 - City of Sumner: Central Well Development Case Study for Manganese and Polysulfide Removal	94 - Tacoma's WQ Monitoring Program	TBD - HAB's & Drinking Water, and Oregon Perspective	TBD - Focusing on Leadership and Succession Planning		73 - Skagit PUD's Journey to Becoming a GIS-Centric Utility	98 - Succession Planning Through Knowledge Capture – Successful Techniques to Capture and Retain Utilities Knowledge and Prepare the Organization So It Does Not Experience Service Setbacks When Employees Retire or Leave (solicited by UMC)
CEUs	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	DW ID-0.1 / OR-0.1 / WDOH-0.1 WW ID-0.1 / OR-0.1 / WDOE-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	
3:15 - 3:30 Break									
3:30 - 4:30 (must attend full hour for credit)	147 - Medford's Dist System Materials Evals	(SAC meeting)	133 - High Rate Filtration Pilot Testing and Polymer Bench Testing at Joint Water Commission WTP	147 - Medford's Distribution System Materials Evaluations	TBD - Algae Monitoring and Response in the Clackamas River Watershed	146 - Develop Leadership Skills and Success by Mentoring	57 - 15 Years of Progressive Membrane Bioreactor Experience in the Pacific Northwest - Pat Roe	114 - Putting Dunder Mifflin Out of Business	
	BLANK		151 - Snake Water, Algae, Spiders and More! 9 Months of Pilot Plant Operations on the Snake River	31 - Results and Implementation of Tacoma Water's Corrosion Control Assessment and Lead Reduction Program	TBD - City of Portland Perspectives	BLANK		6 - Variable Frequency Drives – Lessons Learned	
CEUs	ID-0.1 / OR-0.1 / WA-0.1 pending		ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	DW ID-0.1 / OR-0.1 / WDOH-0.1 WW ID-0.1 / OR-0.1 / WDOE-0.1 pending	ID-0.1 / OR-0.1 / WA-0.1 pending	