

Monday Morning – October 17						
7:00 - 5:30	Registration					
8:00 - 10:00	Opening Session					
10:00 - 10:30	Break & Operations Challenge Viewing Time					
10:00 - 2:00	4-Person Operations Challenge					
	<b>Session 1A - Cascade A Resiliency</b> Moderator: Jennifer Belknap-Williamson, City of Portland BES  <b>Sponsored by Brown and Caldwell</b>	<b>Session 2A - Cascade C Stormwater</b> Moderator: Jadene Stensland, Clean Water Services	<b>Session 3A - Cascade D FOG / Solids Treatment</b> Moderator: Brian Hemphill, Hemphill Water Engineering	<b>Session 4A - Cascade E Wastewater Treatment</b> Moderator: David Watkins, J-U-B Engineers	<b>Session 5A - Cascade F Plant Operations</b> Moderator: Dick Finger, Retired King County	<b>Session 6A - Cascade G Collections-III</b> Moderator: Rob Lee, Murry, Smith & Associates  <b>Sponsored by Michels Pipe Services</b>
10:30 - 11:15	Budd Inlet Treatment Plant Vulnerability Study against Climate Change and Sea Level Rise <i>Adam Klein, Brown and Caldwell</i>	Innovative Stormwater Treatment on the State Route 520 Floating Bridge <i>Stephen Sax, WA Department of Transportation; Gordon MacDonald, Parametrix</i>	Food Waste – Worth the Trouble? <i>Mario Benisch, HDR</i>	Replacement and Retro-Fitting of Screens – Selecting the Proper Screen for the Application <i>Sean Goris, Black &amp; Veatch</i>	Improved Understanding of Mixing Helps Plan and Operate BNR Systems <i>Edward Wicklein, Carollo Engineers</i>	Infiltration and Inflow: Identification, Prioritization, and Rehabilitation Techniques <i>Ryan Withers and Zach Schrempf, RH2</i>
11:15 - 12:00	Risk and Resiliency Assessment and Modeling to Quantify Risks and Benefits <i>Forrest Gist, CH2M</i>	Are Oregon Stormwater Programs on a Path to Meeting Waste Load Allocations? <i>Angela Wieland, Brown and Caldwell</i>	Lifting the Fog from FOG Receiving <i>Rashi Gupta, Carollo Engineers</i>	BNR Optimization with Flow Equalization – Startup Lessons and First Year ROI <i>Paul Klatt, J-U-B Engineers</i>	What the Foam? <i>Nathan Roger Brown, MWH</i>	Whatcha Talkin' Bout, Wallace? - Adaptive Collection System Planning and Solving I/I on Both Sides of the Property Line <i>Chris Horgan, J-U-B Engineers</i>
Monday Afternoon – October 17						
12:00 - 1:15	Networking Lunch / Women's Networking Lunch					
1:15 - 2:00	Seismic 101: Wastewater Infrastructure Resiliency in the Pacific Northwest <i>Matthew Erich Perkins, MWH</i>	Refining Stormwater Maintenance Practices – Doing More with Less <i>Elizabeth Sagmiller and Billy Johnson, City of Keizer, Oregon</i>	Effect of High Performance Digester Operations on Biosolids Odor <i>Ganesh Rajagopalan, Kennedy/Jenks Consultants</i>	Down to the Nitty-Gritty: Tacoma Central Treatment Plant Grit Removal Optimization Study <i>Matthew J. Winkler, Brown and Caldwell</i>	How to Successfully Upgrade a SCADA System When Everyone Is Retiring <i>Christopher W. Kuperstein, City of Spokane</i>	Evaluation of Inflow and Infiltration Reduction Projects in Portland Oregon <i>Ian Kent Besaw, City of Portland</i>
2:00 - 2:45	What Do You Do When the Levee Breaks? Planning for Climate Change and Sea Level Rise <i>Lynn Williams Stephens, Brown and Caldwell</i>	Monitoring the Effectiveness of Green Stormwater Infrastructure <i>Katie Holzer, City of Gresham</i>	Process and Regulatory Impacts of New Clean Air Act Rules for Sewage Sludge Incinerators <i>Frank Dick, City of Vancouver</i>	Membrane Treatment: Conducting Piloting to Inform Final Design <i>Mark Esvelt, Esvelt Environmental Engineering</i>	Benefits of Predictive SRT Control <i>Anne Conklin, Carollo Engineers</i>	Reducing the Size of a Pump Station through I&I Abatement; a Collaborative Effort <i>Michael Kebbe and Jessica Rinner, Clean Water Services</i>
2:45 - 3:00	Break					
	<b>Session 1B - Cascade A Utility Management / Training</b> Moderator: Andy O'Neill, WA Dept. of Ecology	<b>Session 2B - Cascade C Stormwater</b> Moderator: Ben Marre, Seattle Public Utilities	<b>Session 3B - Cascade D Case Studies</b> Moderator: Anthony Benavidez, CH2M	<b>Session 4B - Cascade E Watershed Planning</b> Moderator: Angela Wieland, Brown and Caldwell	<b>Session 5B - Cascade F Pretreatment</b> Moderator: Jeff Coyne, MWH	<b>Session 6B - Cascade H Collections-Construction</b> Moderator: Steve Lusch, Roseburg Urban Sanitary Authority
3:00 - 3:45	A Great Treatment Plant Operations and Maintenance Plan Starts with a Focus on Level of Service <i>Christa Overby and Mike Ciolli, City of Portland</i>	Manchester Stormwater Park <i>Christopher William May, Kitsap County Public Works</i>	Tri-City WRRF Peracetic Acid Disinfection Pilot Project <i>Michael Trent, Clackamas County WES and Phillip Block, PeroxyChem</i>	Using Integrated Planning for Effective Ecosystem Uplift and Quality of Life <i>Ting Lu, Black &amp; Veatch</i>	Development of a Nitrification Inhibition Test Kit Using Lyophilized Activated Sludge <i>Leila Barker, Clean Water Services</i>	Trenchless Crossing of a State Highway <i>Michelle Macauley, Jacobs Engineering</i>
3:45 - 4:30	CWS Operator Training Program <i>Bill Gulacy and Noah Harvey, Clean Water Services</i>	Clarks Creek TMDL Restoration Plan <i>Michael Milne, Brown and Caldwell</i>	Successful Collaboration Results in Innovative Odor Control for the Discovery Corridor <i>Alex Demith, CH2M and Michael Valliere, Biorem</i>	Major Milestones in Water Quality Trading Regulations <i>Carrie Sanneman and Neil Crescenti, Willamette Partnership</i>	To Fear or Not: Wine and Beer <i>Brett Converse, J-U-B Engineers, Inc.</i>	Use of a Novel Boring Machine for a Line-and-Grade-Sensitive Trenchless Crossing through Hard Rock in Bend, Oregon <i>Diana Worthen, CH2M</i>
4:30 - 5:15	Growing Future Clean Water Careers through On-the-Job Operations & Maintenance Training <i>Cari Simson, Urban Systems Designs and John Phillips, King County</i>	Industrial Stormwater Bioretention Retrofit – Port of Longview, Washington <i>Alan Thomas Flemming, Kennedy/Jenks Consultants</i>	If You Didn't Break It – You Should Have <i>John E. Koch, HDR Engineering and Jason Diamond, GE</i>	Creative Mitigation Alternatives for Thermal TMDL Compliance – A Robust Framework for Making Comparisons <i>Todd Miller, City of Springfield; Aaron Toney, Good Company</i>	Revitalizing the Enforcement Response Plan <i>Lindsay Lefevor, CH2M</i>	Using Cured-in-Place Pipe for Force Main Rehabilitation <i>Thomas Nielsen, Parametrix</i>
5:00 - 7:00	Exhibitors Reception—Exhibit Hall					
7:00 - 8:00	Monday Night Dinner					
8:00 - 11:30	Networking Night (hosted by PNCWA Young Professionals - offsite)					

Tuesday Morning – October 18							
7:00 - 5:30	Registration						
7:00 - 8:00	Operators Breakfast						
	<b>Session 7 - Cascade A Regulatory</b>  Moderator: John Beacham, City of Post Falls	<b>Session 8 - Cascade C Odor Control / Smaller Communities</b>  Moderator: Jeffrey Zahler, HDR	<b>Session 9 - Cascade D Pumping Systems</b>  Moderator: Marcos Lopez, Tetra Tech  <b>Sponsored by Murray, Smith &amp; Associates</b>	<b>Session 10 - Cascade E Nutrient Removal</b>  Moderator: Jeff McCormick, Carollo Engineers  <b>Sponsored by Regenix</b>	<b>Session 11 - Cascade F CEPT / Outfalls</b>  Moderator: Greg Eyerly, WES of Clackamas County	<b>Session 12 - Cascade H Collections–Modeling</b>  Moderator: Bob Swamer, King County	
8:00 - 8:45	Accepting Hauled Wastes at Wastewater Treatment Plants  <i>Jon Gasik, Oregon DEQ</i>	Smelling Like Roses: LOTT Clean Water Alliance Solves Odor Control Challenges at its Capital Lake Pump Station  <i>Ben McConkey, LOTT Clean Water Alliance</i>	Remove the 4 x 4's and the Pumping Station Will Still Operate  <i>John Koch, HDR Engineering</i>	Optimization of Enhanced Biological Phosphorus Removal at the West Boise Wastewater Treatment Facility  <i>William Leaf, CH2M; Ron Gearhart, City of Boise</i>	The Story of the Big CSO Plant that Could (treat 450 MGD)  <i>Muriel Gueissaz-Teufel, City of Portland</i>	Modeling Under Pressure – Optimizing and Eliminating Pump Stations in Rolling Terrain  <i>Peter Cunningham, BHC</i>	EXHIBIT HALL Section Exchange 8:00 - 9:30
8:45 - 9:30	Water Quality Criteria Based on the Biotic Ligand Model (BLM): State Adoptions, Options and Examples  <i>Scott Tobiasson, Windward Environmental</i>	Not All Biofilters Are Created Equal – Lessons Learned from Trouble-Shooting the Poor Performance of a Biofilter Odor Control System  <i>River Wan and Dennis Field, Pierce County</i>	Pump Station Assets – Evaluating and Planning for the Future  <i>Brian Casey, Murray, Smith &amp; Associates</i>	Operational Differences between Tertiary Treatment Technologies for Phosphorus Removal  <i>Peter Schauer, Clean Water Services</i>	Optimizing Chemically Enhanced Primary Treatment to Maximize Plant Capacity  <i>Anthony Benavidez, CH2M</i>	Micro-Monitoring for I/I: How to Exploit the 80/20 Rule  <i>Patrick Stevens, ADS Environmental Services</i>	
9:30 - 10:30	Break - Exhibit Hall						
10:30 - 11:15	Visions of a Dystopian Future with Effluent Limits Based on New Criteria for Toxics  <i>David L. Clark, HDR</i>	Wastewater Management Options for Small Communities  <i>Daniel David Ayers, J-U-B Engineers</i>	Investigation and Development of the Modern, Self-Cleaning Circular Wastewater Wet-Well  <i>Bob Domkowski, Xylem Inc.- Flygt</i>	Optimization of an Integrated Fixed-Film Activated Sludge Process for Energy Efficiency and Nutrient Removal  <i>Ana Maria Arango, CH2M</i>	Student Design Competition Presentations Moscow Fermenter Evaluation <i>University of Idaho Design Team and Alderwood Marine Outfall Alternatives Seattle University Design Team</i>	Don't Blow a Gasket!: A comparison of field measurements and numerical modeling in pipeline surge pressure mitigation  <i>Brandon Billing, Brown and Caldwell</i>	
11:15 - 12:00	Blending – An Effective and Necessary Strategy to Manage Peak Flows  <i>David Romilly, Brown and Caldwell; Walt Meyer, West Yost</i>	Morton Wastewater System – Responding to Small Town Problems With a Self-Sufficient Approach  <i>Robert James Scott, Gray &amp; Osborne</i>	City of Bend Colorado Lift Station – A Case Study of Teaming During Planning, Design, and Construction  <i>Dennis Galinato, Murray, Smith &amp; Associates</i>	Enhanced Biological Phosphorus Removal Bacteria: Who are they and how might their presence relate to design and operation  <i>Erik Coats, University of Idaho</i>	Selecting the Right Models for Outfall Designs and Studies – Using Field-Measured Dilutions  <i>David P. Wilson, CH2M</i>	Innovation in Tracking Sewer System Conveyance Capacity  <i>Shad Roundy, Murray, Smith &amp; Associates</i>	
12:00 - 1:15	PNCWA Annual Business Luncheon						

Tuesday Afternoon – October 18								
12:00 - 1:15	PNCWA Annual Business Luncheon							
	<b>Session 13 - Cascade A Project Delivery</b>  Moderator: Eric Hielema, Mortenson Construction	<b>Session 14 - Cascade C Stormwater</b>  Moderator: Mike Milne, Brown and Caldwell	<b>Session 15 - Cascade D Biosolids / Solids Treatment</b>  Moderator: Frank Dick, City of Vancouver	<b>Session 16 - Cascade E Wastewater Treatment and Modeling</b>  Moderator: Ed Griffenberg, HDR  <b>Sponsored by GE Water &amp; Process Technologies</b>	<b>Session 17 - Cascade F Gas Utilization and Energy Efficiency</b>  Moderator: Muriel Gueissaz-Teufel, City of Portland BES  <b>Sponsored by CDM Smith</b>	<b>Session 18 - Cascade H Collections – Asset Mgmt, CMOM and Planning</b>  Moderator: David Gordon, FCS Group	EXHIBIT HALL	
1:15 - 2:00	Evaluating Project Delivery Alternatives to Deliver New Water Supply through Advanced Water Treatment and Potable Reuse Program <i>Patrik Huston, Kennedy/Jenks Consultants</i>	Innovative Stormwater Solutions in Boise's Central Addition LIV District <i>Steven L. Hubble, City of Boise</i>	Biosolids Program Diversification Options <i>Dan Laffitte and Steve Wilson, Brown and Caldwell</i>	Rejuvenating New Life into a 60-Year Old Treatment Plant to Meet Low Phosphorus Limits with Greater Energy Efficiency <i>Royce Davis and Ron Gearhart, City of Boise</i>	Pipeline Quality Renewable Natural Gas from Anaerobic Digester Gas <i>Jennifer Strehler, CDM Smith</i>	The Sewer Awakens: Leveraging 20 Years of Past Data to Develop an Optimized Asset Management Plan for the Future of Vancouver's Large Diameter Interceptors <i>Daniel Buonadonna, CH2M</i>		
2:00 - 2:45	Journey of \$240M Chambers Creek Regional WWTP <i>Tom Paul, Mortenson Construction</i>	Storm Drain Improvements as Stimulus for Downtown Redevelopment <i>Bob Jacobsen and Coleen Doten, Brown and Caldwell; Mark Palmer, City of Puyallup</i>	City of Bend Unlikely Path to Class "A" Biosolids <i>Scott Thompson, City of Bend</i>	Copper and Zinc Reduction at a WWTP by Enhancing Biological Treatment <i>Jeffrey Coyne, MWH Global</i>	Avoiding the Cogen Blues: Digester Gas to Vehicle Fuels <i>Luke Werner, Kennedy/Jenks Consultants</i>	Seattle Public Utilities Sets New Direction for Phase II of Capacity, Management, Operations and Maintenance (CMOM) Program <i>Julie Crittenden, EMA</i>		
2:45 - 3:00	Break - Exhibit Hall							
3:00 - 3:45	Leveraging the WA State Heavy Civil General Contractor/Construction Manager Statute to Select a Membrane Supplier for Spokane's "Next Level of Treatment" Project <i>Craig Massie, CH2M</i>	Stormwater Infiltration: Practical Findings from Recent Nationwide Applied Research <i>Aaron Poresky, Geosyntec Consultants</i>	Characterizing Polymer Thickened Biosolids for Pumping Applications <i>Brian Hilts, CDM Smith</i>	Struvite Recovery and Plant-Wide Phosphorus Removal at the West Boise WWTF <i>Ron Gearhart, City of Boise</i>	City of Gresham WWTP: Energy Net Zero for over a Year! <i>Jeff Maag and Alan Johnston, City of Gresham</i>	A Living CIP: Combining O&M with Capacity Needs to Optimize a Sewer Collection System <i>Bhargavi Ambadkar, Carollo Engineers</i>		
3:45- 4:30	Envisioning Integrated, Distributed One-Water Utilities, Lessons for the Electricity Sector <i>Dan Vizzini, Carollo Engineers</i>	Do You Know Where Your Assets Are? Finding, rating, and managing stormwater assets in the roadway right-of-way <i>Elizabeth Lowell, HDR Engineering; Robin Kirschbaum, Robin Kirschbaum, Inc.</i>	Nitrogen, Phosphorus, and Carbon Dioxide Removal using Algae – Now what do I do with this biomass? <i>Taylor Romenesko, University of Idaho</i>	Case Study on Developing and Maintaining a Process Model at a Wastewater Utility <i>Adrienne Menniti, Clean Water Services</i>	Energy Efficiency and Recovery <i>Terri Lee Prather, LOTT Clean Water Alliance</i>	Taking Action with Aging Sewers – How to Implement Early Actions and Effective Program Planning <i>David Scott, Tetra Tech</i>		
4:30 - 5:15	Don't Dig Yourself into a Hole: Keeping Oak Harbor's Clean Water Facility Moving Forward – Using an Early Exploration GC/CM Package to Confirm Site Selection and Mitigate Archeological Risk <i>Michael Borrero, Carollo Engineers</i>	Achieving 1200-COLS Tier II Compliance at City of Portland Columbia Blvd Wastewater Treatment Plant <i>Aaron Lawler, City of Portland</i>	Are your Digesters Burping, Frothing, or Otherwise Not Behaving? – A "New" Understanding of What's Actually Going on Inside Could Help <i>Christopher Muller, Brown and Caldwell</i>	Lagoon System Expansion and Upgrade Evaluation Assisted with Process Modeling <i>Li Lei, CH2M</i>	Expanding Process Capacity and Increasing Cogeneration Effectiveness with Primary Filtration for Carbon Diversion <i>Onder Caliskaner, Kennedy/Jenks Consultants</i>	From Budgets to Backhoes - Factors to Manage throughout the Project Continuum <i>Kevin Goss, Tetra Tech</i>		
5:15 - 7:00	Exhibit Hall Closing Reception							
7:00 - 9:00	PNCWA Awards Banquet							

2 separate tours from 1:15 - 3:45 PM #1 Bend Stormwater, #2 Colorado Lift Station/Deschutes Brewery Waste Management

Govt Affairs Committee Special Session on Copper 1:15-2:45 - Deschutes S

Present

**Wednesday Morning – October 19**

7:00 - 1:00	Registration							
	<p><b>Session 19A - Cascade A Utility Management and Mentoring</b></p> <p>Moderator: Andy McCaskill, HDR</p>	<p><b>Session 20 - Cascade C Reuse</b></p> <p>Moderator: Stuart Hurley, Mountain Waterworks</p>	<p><b>Session 21A - Cascade D Thickening / Dewatering</b></p> <p>Moderator: Cyndy Bratz, Tetra Tech</p>	<p><b>Session 22 - Cascade E Wastewater Treatment</b></p> <p>Moderator: Jim Baird, Roseburg Urban Sanitary Authority</p>	<p><b>Session 23A - Cascade F Public Involvement</b></p> <p>Moderator: Ellie Key, WA Dept. of Ecology</p>	<p><b>Session 24A - Cascade H Collections – Project Delivery</b></p> <p>Moderator: Ed Speer, CDM Smith</p>		
8:00 - 8:45	<p>Bridging the Operational Gap between Two Utilities with Interconnected Systems</p> <p><i>Corinne De Leon, City of Seattle</i></p>	<p>The Reality of Reclamation</p> <p><i>Jim Kimball, J-U-B Engineers</i></p>	<p>Design and Operation of Series WAS Thickening in a WASSTRIP™ Process</p> <p><i>Christopher Edward Maher, Clean Water Services</i></p>	<p>Tertiary Rehab: Evaluate and Improve Existing System to Meet TP Permit</p> <p><i>Karen Bill, HDR</i></p>	<p>Vibrating Hammer versus Neighbors – A Tale of Two Cities</p> <p><i>Anne Aurand, City of Bend</i></p>	<p>Bend Southeast Interceptor: Partnership Delivers Deep Sewers through Solid Rock</p> <p><i>Jim Albin and Ron Hand, DOWL; Brady Fuller, CH2M; Eric Forster, City of Bend</i></p>	Redmond Water Pollution Control Facility Tour 8:00 - 10:30 AM	
8:45 - 9:30	<p>Tacoma Wastewater Treatment Operations Makes Changes to Deliver on Environmental Services Strategic Plan</p> <p><i>Jody Bratton, City of Tacoma</i></p>	<p>Innovative Treatment for Potable Reuse</p> <p><i>Steve Green, Xylem</i></p>	<p>Factors Impacting Dewatering</p> <p><i>Mario Benisch, HDR</i></p>	<p>Grit Happens – You Don't Know What You're Missing</p> <p><i>Pat Herrick, Hydro International</i></p>	<p>What's in a Name? Reintroducing the City of Boise Wastewater Division</p> <p><i>Haley Falconer, City of Boise</i></p>	<p>CSO Storage Tank Design – O&amp;M and Constructability Considerations</p> <p><i>Nichole Kruse, CDM Smith</i></p>		
9:30 - 10:15	<p>Mentoring: The Critical Path</p> <p><i>Kimberly Ann Kelsey, CH2M</i></p>	<p>Developing Idaho's First Large-Scale Class A Infiltration Project</p> <p><i>Matt Gregg, Brown and Caldwell</i></p>	<p>Central Wastewater Treatment Plant: Sludge Dewatering Facilities and Equipment Systems Upgrades</p> <p><i>TBD</i></p>	<p>Conquering Operational Challenges of New Tertiary Membrane Filtration System in Coeur d'Alene</p> <p><i>Michael Zeltner, HDR</i></p>	<p>Beyond the Open House: Meeting communities where they're at to build a successful project</p> <p><i>Kevin Dour, Tetra Tech</i></p>	<p>Design, Selection and Delivery of Ultraviolet Disinfection Equipment for a Combined Sewer Overflow Treatment Facility</p> <p><i>Pat Roe, HDR Engineering</i></p>		
10:15 - 10:30	Break							
	<p><b>Session 19B - Cascade A Innovative Approaches</b></p>		<p><b>Session 21B - Cascade D Stormwater</b></p>		<p><b>Session 23B - Cascade F Emerging Contaminants</b></p>	<p><b>Session 24B - Cascade H Disinfection</b></p>		
10:30 - 11:15	<p>Putting Drones to Work</p> <p><i>John N Crippen and Howard Young, CDM Smith</i></p>	<p>Closing the Loop on an Hydrologic "Island" in Kitsap County, WA</p> <p><i>Tadd Giesbrecht, Brown and Caldwell</i></p>	<p>Solving Problems at the Source – Seattle Public Utilities Source Control Program</p> <p><i>Kevin Joseph Buckley, Seattle Public Utilities</i></p>	<p>Piloting the Cleargreen Deammonification Process at the Tri-City WRRF</p> <p><i>Dale Richwine, Richwine Environmental</i></p>	<p>Taking an Holistic Approach to Identifying Cost-Effective Management Strategies for CECs in U.S. Watersheds</p> <p><i>Tanja Rauch-Williams, Carollo Engineers</i></p>	<p>Family Ties: Replacement of UV Disinfection Systems at Sister Plants</p> <p><i>Thomas Paul Giese, BHC Consultants</i></p>		
11:15 - 12:00	<p>Decant Water Reuse</p> <p><i>Jeff Rudolph, Pierce County Public Works</i></p>	<p>Stormwater Capture Planning in Southern California: Lessons Learned for PNW Municipalities</p> <p><i>Scott Mansell, Geosyntec</i></p>	<p>Enhancing Implementation of Green Infrastructure through Partnerships</p> <p><i>Dustin Atchison, CH2M</i></p>	<p>Successful Deployment of Foam Control Systems in Activated Sludge Systems</p> <p><i>Henryk Melcer, Brown and Caldwell</i></p>	<p>Assessing the Fate of Emerging Contaminants during Biological Treatment: Are nitrifiers doing the work? Can microbes really eat BPA?</p> <p><i>Sandeep Sathyamoorthy, Black &amp; Veatch</i></p>	<p>PAA Disinfection at NWL WWTP – A Safe and Effective Alternative to Chlorine</p> <p><i>Joshua Goldman, CDM Smith</i></p>		

## PNCWA2016 Moderator Contact list

Session No.	Session Topic	Date, Time	Moderator	Email	Moderator Organization
1A	Resiliency	Mon, 10:30 am - 2:45 pm	Jennifer Belknap-Williamson	jennifer.belknapwilliamson@portlandoregon.gov	City of Portland BES
2A	Stormwater	Mon, 10:30 am - 2:45 pm	Jadene Stensland	StenslandJ@CleanWaterServices.org	Clean Water Services
3A	FOG / Solids Treatment	Mon, 10:30 am - 2:45 pm	Brian Hemphill	brianh@hemphillwater.com	Hemphill Water
4A	Wastewater Treatment	Mon, 10:30 am - 2:45 pm	David Watkins	d Watkins@jub.com	JUB Engineers
5A	Plant Operations	Mon, 10:30 am - 2:45 pm	Dick Finger	dick.finger@att.net	Retired
6A	Collections-//l	Mon, 10:30 am - 2:45 pm	Rob Lee	Rob.Lee@msa-ep.com	Murray Smith & Associates
1B	Utility Management / Training	Mon, 3:00 pm - 5:15 pm	Andy O'Neill	aone461@ecy.wa.gov	Washington Department of Ecology
2B	Stormwater	Mon, 3:00 pm - 5:15 pm	Ben Marre	Ben.Marre@seattle.gov	Seattle Public Utilities
3B	Case Studies	Mon, 3:00 pm - 5:15 pm	Anthony Benavidez	Anthony.Benavidez@ch2m.com	CH2M
4B	Watershed Planning	Mon, 3:00 pm - 5:15 pm	Angela Wieland	awieland@brwncald.com	Brown and Caldwell
5B	Pre-Treatment	Mon, 3:00 pm - 5:15 pm	Jeff Coyne	Jeffrey.Coyne@mwhglobal.com	MWH now part of Stantec
6B	Collections-Construction	Mon, 3:00 pm - 5:15 pm	Steve Lusch	steve@rusa-or.org	Roseburg Urban Sanitary Authority
7	Regulatory	Tues, 8:00 am - noon	John Beacham	jbeacham@postfallsidaho.org	City of Post Falls
8	Odor Control /Smaller Communities	Tues, 8:00 am - noon	Jeffrey Zahller	Jeffrey.Zahller@hdrinc.com	HDR Engineering
9	Pumping System	Tues, 8:00 am - noon	Marcos Lopez	Marcos.Lopez@tetrattech.com	TetraTech
10	Nutrient Removal	Tues, 8:00 am - noon	Jeff McCormick	jmccormick@carollo.com	Carollo Engineers
11	CEPT / Outfalls	Tues, 8:00 am - noon	Greg Eyerly	GEyerly@co.clackamas.or.us	Clackamas County WES
12	Collections-Modeling	Tues, 8:00 am - noon	Bob Swarner	Bob.Swarner@kingcounty.gov	King County
13	Project Delivery	Tues, 1:15 pm - 5:15 pm	Eric Hielema	Eric.Hielema@mortenson.com	Mortenson Construction
14	Stormwater	Tues, 1:15 pm - 5:15 pm	Mike Milne	MMilne@brwncald.com	Brown and Caldwell
15	Biosolids / Solids Treatment	Tues, 1:15 pm - 5:15 pm	Frank Dick	Frank.Dick@cityofvancouver.us	City of Vancouver
16	Wastewater Treatment and Modeling	Tues, 1:15 pm - 5:15 pm	Ed Griffenberg	Edward.Griffenberg@hdrinc.com	HDR Engineering
17	Gas Utilization and Energy Efficiency	Tues, 1:15 pm - 5:15 pm	Muriel Gueissaz-Teufel	Muriel.Gueissaz-Teufel@portlandoregon.gov	City of Portland BES
18	Collections - Asset Management, CMOM and Planning	Tues, 1:15 pm - 5:15 pm	David Gordon	DavidG@fcsgroup.com	FCS Group
19A,B	Utility Management and Mentoring, Innovative Approaches	Wed, 8:00 am - noon	Andy McCaskill	andy.mccaskill@hdrinc.com	HDR Engineering
20	Reuse	Wed, 8:00 am - noon	Stuart Hurley	shurley@mountainwtr.com	Mountain Waterworks
21A,B	Thickening / Dewatering, Stormwater	Wed, 8:00 am - noon	Cyndy Bratz	cyndy.bratz@tetrattech.com	TetraTech
22	Wastewater Treatment	Wed, 8:00 am - noon	Jim Baird	JBaird@rusa-or.org	Roseburg Urban Sanitary Authority
23A,B	Public Involvement, Emerging Contaminants	Wed, 8:00 am - noon	Ellie Key	EKEY461@ECY.WA.GOV	Washington Department of Ecology
24A,B	Collections - Project Delivery , Disinfection	Wed, 8:00 am - noon	Ed Speer	speered@cdmsmith.com	CDM Smith