

<b>Monday Morning - September 14</b>							
7:00 - 5:30	<b>Registration</b>						
7:30 - 9:45	<b>FACILITY TOUR: City of Meridian WWTP</b>		<b>FACILITY TOUR: City of Kuna WWTP</b>		<b>FACILITY TOUR: City of Boise WaterShed Public Educational Center</b>		
10:00 - Noon	<b>Opening Session</b>						
Noon - 1:15	<b>PNCWA Business Luncheon</b>						
<b>Monday Afternoon - September 14</b>							
	<b>Session 1 - Payette River Workforce Sustainability</b> Moderator Nicki Pozos, Carollo Engineering	<b>Session 2 - Snake River Wastewater Treatment</b> Moderator Chris McCalib, Lakehaven Utility District	<b>Session 3 - Salmon River Anaerobic Digestion/Bio-energy</b> Moderator Cyndy Bratz, Brown and Caldwell	<b>Session 4 - Cottonwoods Collection Systems</b> Moderator Jim Pardy, City of Boise	<b>Session 5 - The Summit Phosphorus Removal</b> Moderator Erik Coats, University of Idaho	<b>Session 6 - Douglas Firs Metals Removal</b> Moderator Carrie Pak, Clean Water Services	<b>Session 7 - Ponderosa Pines Operators Track</b> Moderator Gilbert Sanchez, Veolia Water NA
SPONSOR		<b>Sponsored by West Yost Associates</b>	<b>Sponsored by Brown and Caldwell</b>				
1:20 - 2:00	Organizational Strategies Support Sustainable Communities <i>Brad Jurkovic, Woolpert</i>	Evaluating the West Boise Secondary Clarifiers: CFD Modeling and Field Verification <i>Richard Kelly, Brown and Caldwell</i>	Sustainable Energy Recovery Systems Provides Revenue While Reducing Carbon Footprint at Wastewater Treatment Facilities <i>Jyh-Wei (AJ) Sun, CDM</i>	To Dose or not to Over Dose-That's the Million Dollar Question <i>Kevin Dour, Tetra Tech</i>	Primary Sludge Fermentation for Reliable Biological Phosphorus Removal <i>Li Lei, CH2M HILL</i>	Zinc Removal by Reactive Filtration with Hydrous Manganese Oxide <i>Remy Newcombe, Blue Water Technologies</i>	Mechanical Seals Part 1 <i>Dave Mathes, A.W. Chesterton</i>
2:00 - 2:40	You Say Goodbye, I Say Hello: Succession Planning in an Aging Workforce <i>Eva LaBonte, Clean Water Services</i>	Decentralized Wastewater Collection and Treatment, Bethel Heights Case Study <i>Tristian Bounds, Orenco Systems Inc.</i>	Practical Design and Operating Experience with Co-Digestion of Grease <i>Greg Moen, HDR Engineering</i>	Expanding the Use of a Hydraulic Software Package: The Development of an Interceptor Odor Predictive Model <i>Lisa Tamura, HDR Engineering</i>	Evaluation of Treatment Alternatives to meet Total Phosphorus Limits at the West Boise WWTF <i>William Leaf, CH2M HILL</i>	Heavy Metal Sorption to Biogenic Iron Oxides <i>Thomas Leake, Washington State University</i>	Mechanical Seals Part 2 <i>Dave Mathes, A.W. Chesterton</i>
						<b>Wastewater Pretreatment</b>	
2:40 - 3:20	Succession Planning: Building Personal Accountability for Career Planning <i>Nick Pealy, Seattle Public Utilities</i>	Algae Removal from Wastewater Treatment Pond Effluent by Dissolved-Air Flotation <i>Yakup Nurdogan, CDM</i>	Bio-Energy Potential from Food Processing Solid Waste Materials <i>Robert Pharmed, Pharmed Engineering</i>	Vapor Phase Odor Control for Collection Systems <i>Rich Blackmun, Black &amp; Veatch</i>	A Comparative Environmental Life Cycle Assessment: Biological VS Chemical Phosphorus Removal <i>David Watkins, J-U-B Engineers; Dan Kranenburg, DCI Engineers</i>	The Nitty Gritty On Municipal Grit <i>Pat Herrick, Hydro International</i>	Composite Coatings <i>Ted Bruner, A.W. Chesterton</i>
3:20 - 3:40	<b>Break - Main Lobby</b>						
3:40 - 4:20	Creating your Talent Pipeline through Apprenticeship (an in-house program for operators) <i>Joanne Peterson, Seattle Public Utilities</i>	Performance of a Tire Chip Media Constructed Wetland <i>William Li, Stantec</i>	Fuel Interchangeability and supplementing biogas with propane/air or Natural Gas/air <i>Sean Guichon, Algas-SDI International</i>	Solving the Backup Dilemma in a Seattle Neighborhood <i>Martha Burke, Seattle Public Utilities</i>	Phosphorus removal using biogenic iron oxides as a filter media substrate <i>Haley Falconer, Washington State University</i>	Wastewater Screening - A Fine Subject <i>Tadd Giesbrecht, J-U-B Engineers and Tom Chapman, Brown and Caldwell</i>	Pump Hydraulics (Basics) <i>Ed Smith and Joe Evans, PumpTech</i>
4:20 - 5:00	Next Generation Mentoring: Helping Younger Workers Find Meaning (followed by ROUNDTABLE WITH ALL SPEAKERS) <i>Nicki Pozos, Carollo Engineers</i>	Life Cycle Analysis for Selection of Treatment Processes and Materials of Construction for an On-Site Wastewater Treatment Facility <i>Russell Mau, Gonzaga University</i>	Renewable Energy Utilization of Wastewater Treatment Facilities <i>Jim Georger, Kruger, Inc.</i>	Albuquerque Bernalillo County Water Utility Authority Performs Comprehensive Odor Study on Its Entire Sanitary Interceptor System <i>Mark Smith, HDR Engineering</i>	Pushing the Envelope with Low Phosphorus Limits <i>Peter Schauer, Black &amp; Veatch</i>	Green Screening in Bend, Oregon <i>Brian Casey, Carollo Engineers</i>	Pump Hydraulics (Advanced) <i>Ed Smith and Joe Evans, PumpTech</i>
<b>Manufacturers Reception, 2-Person Operations Challenge, Water For People Build A Latrine Fundraiser, Monday Night Fun Night— Exhibit Hall</b>							

Tuesday Morning - September 15						
7:00 - 5:30	Registration					
7:00 - 8:30	Continental Breakfast					
7:00 - 8:00	Operators Breakfast					
8:00 - 10:00	Section Exchange					
10:00 - 3:00	4-Person Operations Challenge					
	<b>Session 8 - Payette River Pump Stations/Hydraulics</b> Moderator Jeff Lundt, King County	<b>Session 9 - The Summit BNR</b> Moderator Heather Stephens, Kennedy/Jenks	<b>Session 10 - Snake River Instrumentation/I&amp;C</b> Moderator David Watkins, J-U-B Engineers	<b>Session 11 - Salmon River Water Reuse</b> Moderator Adrienne Menniti, CH2M HILL	<b>Session 12 - Cottonwoods Utility Management</b> Moderator Eddie Speer, CDM	<b>Session 13 - Douglas Firs Solids Processing/Reduction</b> Moderator Brian Hemphill, HDR Engineering
SPONSOR	Sponsored by Parametrix					
8:00 - 8:40	Trouble-shooting Vibration Issues at a Major Wastewater Pumping Station  <i>Douglas Schneider, Brown and Caldwell</i>	Probabilistic Modeling and Uncertainty Analysis of a Two-Stage Biological Nitrogen Removal Process  <i>Ayanangshu Dey, Mississippi State University</i>	Migration Path from an Aging Network to Ethernet Controls  <i>Gilbert Kwan and Gabe Shones, Harris Group</i>	Microconstituent and Pathogen Removal in Reclaimed Water: A Summary of Pilot Testing Results and Full Scale Costs  <i>Keith Bourgeois, Carollo Engineers</i>	Business Intelligence for the Modern Utility  <i>Glenn Wolf, Westin Engineering</i>	Innovative Biosolids Management at the Hills Canyon Treatment Plant  <i>Priya Dhanapal and Monty Hazlehurst, Kennedy/Jenks Consultants</i>
8:40 - 9:20	Brightwater Marine Outfall Lessons Learned  <i>Jeffrey Lundt, King County Wastewater Treatment Division</i>	Modernizing Tricking Filters for Nutrient (N & P) Removal  <i>John Harrison, CDM</i>	Effluent Reuse in Water Reclamation Facilities, Instrumentation and Controls  <i>Terry Stulc &amp; Raymond Daigh, Trindera Engineering</i>	Flexible MBR Design to Meet Unknown Permit Limits, Low Flow Start-up Conditions, and Future Reuse Requirements  <i>Larry Rupp, Keller Associates</i>	Visualizing the Impact of Decision Making with the EFC Financial Dashboard  <i>Darcey Doyle, Environmental Finance Center, Boise State University</i>	Cannibal™ Solids Reduction Process Implementation and Operation: Three Case Studies  <i>Alan Chang, CH2M HILL</i>
9:20 - 10:00	Wet Well Design Using VFD's and Submersible Pumps  <i>Bruce Dudzik, HDR Engineering</i>	Advancing a Novel Process for Post-Anoxic Denitrification  <i>Alexander Mockos, University of Idaho</i>	The Major Problem with Automation - A Consultant's View  <i>Robert Salmond, Tetra Tech</i>	Pilot Testing and Evaluation of Three Filtration Technologies for the Eugene / Springfield Wastewater Treatment Plant  <i>Steve Celeste, Kennedy/Jenks Consultants</i>	Using Business Risk Exposure Tools To Reduce a Utility's liabilities.  <i>Thomas Keown, GHD</i>	Simultaneous Dewatering and Class "A" Processing of WWTP Biosolids and Septage Utilizing a Steam Heated Screw Press  <i>James Capell, FKC Co.</i>
10:00 - 10:30	Break - Exhibitors Hall					
	<b>Wastewater Treatment</b>	<b>Phosphorus Removal</b>	<b>Procurement/Contracting</b>			<b>Regulatory</b>
10:30 - 11:10	Offset rising energy costs and reduce your carbon footprint with small hydropower: City of Gresham Case Study  <i>Jennifer Belknap Williamson, Brown and Caldwell</i>	Reducing RPWRF Effluent TP for Discharge to the Spokane River  <i>Larry Esvelt, Esvelt Environmental Engineering</i>	How can I get what I asked for when this is a public bid contract? A Discussion on Alternative Procurement Strategies for Control System Installations  <i>Kevin Stively, Brown and Caldwell</i>	System-Wide Water Budgeting for Reuse Master Planning - South Truckee Meadows WRF  <i>Jason Smesrud, CH2M HILL</i>	Do You Know Your Cost of Treatment?  <i>Tom Stow, Clean Water Services</i>	Spokane River TMDL – An Idaho Perspective  <i>Paul Klatt, J-U-B Engineers</i>
11:10 - 11:50	Compact Wastewater Plants  <i>John Harrison &amp; Muriel Gueissaz-Teufel, CDM</i>	Treatment Process Selection for Very Low Effluent Phosphorus in Coeur d'Alene  <i>David Clark, HDR Engineering</i>	An Alternative Contracting Procedure  <i>Steve Kebbe, Clean Water Services</i>	After Planting the Seed: Growing a Water Reuse Program - Meridian, Idaho  <i>Tom Barry and Clint Dolsby, City of Meridian; David Keil, HDR</i>	Master Planning Plus  <i>Shem Liechty and Jason Mumm, Brown and Caldwell</i>	National WEF Update to Legislative and Regulatory Activities  <i>Bob Matthews, CDM</i>
11:50 - 1:20	Buffet Luncheon					

EXHIBITORS HALL

Tuesday Afternoon - September 15						
Buffet Luncheon—Exhibitors Hall						
11:50 - 1:20	Session 14 - The Summit <b>Centrate to Fertilizer</b> Moderator Craig Anderson, Murray, Smith & Associates	Session 15 - Snake River <b>Disinfection</b> Moderator Bill Benko, Carollo Engineers	Session 16 -Salmon River <b>Stormwater</b> Moderator Shannon Taylor, City of Redmond	Session 17 - Cottonwoods <b>CSOs/SSOs/I&amp;I</b> Moderator Bob Swamer, King County	Session 18 - Payette River <b>WWTF Optimization/Sustainability</b> Moderator Max Hildebrand, Brown and Caldwell	Session 19 - Douglas Firs <b>Asset Management</b> Moderator Mark Walter, Clean Water Services
SPONSOR	Sponsored by HDR Engineering		Sponsored by Tetra Tech		Sponsored by J-U-B Engineers	
1:20 - 2:00	Can Nutrient Recovery be a Financially Sustainable Development Objective?  <i>David Seymour, Kennedy/Jenks Consultants</i>	Peracetic Acid - A New Disinfection Approach  <i>Kelley Dancey, CH2M HILL</i>	Source Tracing (IDDE) Using Innovative Technologies  <i>Rick Fuller, City of Tacoma WA</i>	A Broad-Brush Approach, using GIS, to Identify CSO Reduction Alternatives  <i>Joan Montgomery and Grizelda Sarria, Tetra Tech</i>	Making the Best Use of Assets in a Poor Economy at the Meridian, Idaho WWTP  <i>Daniel Ayers, Brown and Caldwell; Bruce Johnson, CH2M HILL; Clint Dolsby, City of Meridian</i>	Engineering Technologies for Underground Infrastructure Asset Management  <i>Rich Blackmun, Black &amp; Veatch</i>
2:00 - 2:40	West Boise WWTF Use of Struvite Crystallization Technology as part of the Phosphorus Removal Plan  <i>Dan Barbeau, Pharmer Engineering</i>	Selection of UV Disinfection Systems for Achieving Class A Reuse Water at Small MBR plants  <i>Li Lei, CH2M HILL</i>	Low Impact Development - Land Use, Policy and Technical Feasibility Framework  <i>Paul Fendt, CDM</i>	So Just How Effective Are Lamella Plates in Combined Sewer Overflow (CSO) Treatment?  <i>Matt Crow, CDM</i>	Side Effects of WWTP Process Optimization  <i>Levi Shoolroy, J-U-B Engineers</i>	Capital Plan Prioritization using Asset Management Strategies  <i>Marc Yarlott, Veolia Water North America</i>
2:40 - 3:20	Impact of Phosphorus Recovery on Treatment and Operation at Durham AWWTP  <i>Mario Benisch, HDR Engineering</i>	Installation, operation and maintenance of a non-contact UV disinfection system  <i>Sean Goris, Black &amp; Veatch</i>	TBA	Consequences of Managing CSO Flows through a Wastewater Treatment Plant – Case History at Port Angeles  <i>Patricia Tam, Brown and Caldwell</i>	Caldwell, ID Actiflo Turbo Low Phosphorous Pilot Project  <i>Jim Georger, Kruger, Inc. and John O'Hare, Veolia Water NA</i>	Knowing the Current Condition of your Assets – a Simple and Effective Process  <i>Roy Brandon, Brown &amp; Caldwell</i>
3:20 - 3:40	Break - Exhibitors Hall					
	<b>Managing Your Discharge</b>	<b>Pharmaceuticals &amp; EDCs</b>				<b>Education/Safety</b>
3:40 - 4:20	Zero Discharge, Challenges and Opportunities  <i>Doug Berschauer, CH2M HILL</i>	Fate of the endocrine disruptor compound, bisphenol A in municipal wastewater treatment plants - should we be concerned?  <i>Henryk Melcer, Brown and Caldwell</i>	Measuring the Effectiveness of the City of Santa Monica's Award-winning Westside Urban Runoff Treatment Facility  <i>Lawrence Magura, Black &amp; Veatch</i>	Balancing Immediate SSO Needs with Ongoing Comprehensive Wastewater Planning; A Case Study of the Planning, Design and Construction of Flow Equalization for the City of Blaine, WA  <i>Jeff Lykken, Tetra Tech</i>	Optimizing Existing Aeration Basins for BNR Upgrade and Plant Capacity at the Meridian ID WWTP.  <i>Ryan Anderson, Carollo Engineers; Clint Dolsby, City of Meridian</i>	LOTT's New Education Center: A Renewed Educational Focus for our Wastewater Utility  <i>Lisa Dennis-Perez, LOTT Alliance</i>
4:20 - 5:00	Is Your Multi-Port Diffuser on It's Best Behavior? : Predicting and Validating Discharge Characteristics  <i>Kwabena Adu-Sarkodie, West Yost Associates</i>	Monitoring Groundwater for Pharmaceuticals and Personal Care Products from Municipal Lagoon Treatment  <i>Tressa Nicholas, Idaho Dept. of Environmental Quality</i>	Federal Stormwater Regulations...Are they relevant in the desert and how do they affect you?  <i>Dennis Galinato, Murray Smith &amp; Associates</i>	Challenges of Continuous Simulations to Validate Compliance for CSO Facility Design  <i>Duane Studer, AECOM</i>	Incorporating Sustainable Features Into the Tri-City WPCP Phase I Expansion  <i>Dale Richwine, Richwine Environmental</i>	Building a Safety Culture  <i>Matthew Beltran, Veolia Water North America</i>
6:00 - 7:00	Consultants Reception					
7:00 - 9:00	PNCWA Awards Banquet					

EXHIBITORS HALL

