

Detailed Conference Program Schedule: Spokane 2013

Wednesday								
All Day	Precon Session							
Room	101	102A	102B	102C	102D	TBD	202C	8
Hosting Committee	Utility Management	Engineering	Distribution	Conservation	Water Loss Control Focus Group, Inland Empire Subsection	Young Professionals	TCC	Empty
8:30 - 9:30	Fundamentals of Asset Management - Douglas Stewart	Seismic Events Predicted Throughout the Pacific Northwest - Tim Collins Potential Effects of Seismic Events - Wolf Lang	VFD's: Do's & Don'ts. What can't be controlled - Kriss Schneider	Water Efficiency Assessment (Audits) for Customers: helping with management on the other side of the meter - Kevin McCaleb	Reviewing DOH Water Use Efficiency Expectations for Water Loss Control - Michael Dixel	Fresh Ideas (no CEUs)	Training The Trainers: Arc Flash Safety (no CEUs)	
9:30 - 9:45 Break								
9:45 - 10:45		Identifying Probable Seismic Effects and Design Criteria - Ralph Borium Applying Geotechnical Information and Design Criteria - David Kraska	Slowing it Down in Eastern Idaho- Idaho Falls VFD Analysis - David Stangel		Water Conservation Planning at United Water Idaho - Stephanie Raddatz Benchmarking in Oregon's Water Management and Conservation Plans - Kristel Fesler			
10:45 - 11:00 Break								
11:00 - 12:00		Case Examples of Seismic Effects on Water Infrastructure - Tim Collins Don Ballantyne	Pump Selection, The Motor/Power Relationship and Variable Speed Control - Joe Evans		AWWA Water Loss Control Committee Report - Patti Godwin			
12:00 - 1:00 Lunch								
1:00 - 2:00		Oregon Seismic Resiliency Plan for Water Utilities - Mark Knudson	Pump Selection, The Motor/Power Relationship and Variable Speed Control - Joe Evans		How to Use the M36 to improve Your Water Audit - Andrew Chastain-Howley			
2:00 - 2:15 Break								
2:15 - 3:15	Buried Infrastructure Seismic Design Standards for Distribution System Pipes - Don Ballantyne Prestressed and Cast-in-Place Concrete Water Storage Reservoir Seismic Design Criteria - Pete Slocum	Pump Selection, The Motor/Power Relationship and Variable Speed Control - Joe Evans	AWWA Free Water Audit Software Demo - Andrew Chastain-Howley					
3:15 - 3:30 Break								
3:30 - 4:30	Steel Reservoir Seismic Design Criteria - Jon Conner Treatment Facility Seismic Design Criteria - Matthew Perkins	Pump Selection, The Motor/Power Relationship and Variable Speed Control - Joe Evans	Long-term Successes in Water Loss Control in Philadelphia - Andrew Chastain-Howley					
CEUs	ID/OR/WA - 0.6/0.6/0.6	ID/OR/WA - 0.6/0.6/0.6	ID/OR/WA - 0.6/0.6/0.6	ID/OR/WA - 0.6/0.6/0.6	ID/OR/WA - 0.6/0.5/0.6			

Thursday								
Morning	Early Bird							
Room	201A	201B	201C	Empty	Empty	Empty	Empty	Empty
Hosting Committee	Small Systems	Water Treatment	Small Systems	Empty	Empty	Empty	Empty	Empty
8:00 - 9:00	Distribution Reservoir management - Cheryl Capron	Radioactive Fallout in Drinking Water: What Water Utilities Need to Know - Joseph A. Drago	Growth in Rainwater Harvesting - Tim Pope	Empty	Empty	Empty	Empty	Empty
CEUs	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0/0					
Afternoon	Reg Tech Session							
Room	101	102AB	102CD	202C	202AB	201C	201B	201A
Hosting Committee	Safety	Distribution	Engineering	Water Information Technology	Water Quality	Research	Conservation	Utility Management
1:30 - 2:30	Hydraulic Safety- Lincoln Heights - Dan Kegley	Water Mains - Clean, Pig, or Dig? (Part I) - Andrew Hill	Fish Protection at Water Intakes - Bryan Norlund	Making Sense, And Use, of Your SCADA Historical Data - Robert Barrett	Portland Water Bureau's Algae Monitoring and Response Programs - Ann Richter	Superfine PAC for TOC and DBP Precursor Removal - Kim Ervin	Portland's Regional Waters: History and Management- Catherine Howells	"Managing the Tension between Water Conservation and Utility Revenue Requirements: Finding the right balance for your utility" - Dale Jutila
		Water Mains - Clean, Pig, or Dig? (Part II) - Melinda Friedman	Challenges and Opportunities in Permitting a New or Modified Municipal Water Intake - Lake Oswego Tigard Water Partnership Project (a case study) - Terry Buchholz	Mobile Applications - Using iPad for Utility Management/SCADA- Michael Karl	Harmful Algal Blooms - a proactive monitoring approach - Adam Webster	Exploring a Low Profile Aeration Technology - Stephen Booth		
CEUs	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1
2:30 - 2:45 Break								
2:45 - 3:45	The Shock Hazards Associated With Meter Change Outs and Service Repairs. - Mike Jacobs	Navigating Increasingly Stringent Stormwater Requirements and Streamlining the Permitting Process for Drinking Water Facilities: Tacoma Water's Green River Filtration Facility - Douglas Lane, PE	General Contractor - Working within in Water Work Windows, general construction in and around water. - Mike McDougall	Cyber Security - Cyber Threats and Potential Regulations? - Michael Karl	Water Quality Modeling of Lake Chaplain Reservoir for Understanding Operational Changes - Robert Annear	Removal of Emerging Pollutants and Natural Organic Matters by Powdered Activated Carbon in conjunction with Coagulation - Qianru Deng	2012 EWEB-BPA SIC Study - Jill Hoyenga	"What's New in Water Rates: Insight into AWWA's Newly Published M1 Manual" - Paul Matthews, Tom Gould
		Water Operations Jobsite Stormwater - Shab Zand/Dave Owens	Modifying Existing Bull Run Intakes to provide for Selective Withdrawal To Meet Downstream Temperature Requirements - Rich Blackmun	Security for Mobile Computing Devices - Peter Boone	Using computational fluid dynamic modeling to understand and improve flow patterns through water treatment plants - Paul Berg	Good Coagulation Chemistry Provides Robust Solution to Intriguing New Challenge - Michael McWhirter	2012 Game Based Marketing for Demand Management - Jill Hoyenga	
CEUs	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0	ID/OR/WA 0.1/0.1/0.1
3:45 - 4:00 Break								
4:00 - 5:00	How to control and maintain Safety on Construction Sites- Eric Fullan	Between a Tank and Hard Place! Squeezing in efficiency, reliability, and provisions for solar power generation.- Matt L. Hickey, P.E.	Strategies for hydraulically balancing intake screens for fish protection. - David Whitbeck	Cityworks CMMS Implementation at TVWD - Peter Boone	Control of Nuisance and Invasive Species in Northwest Water Supplies - Matt McFadden	Analyzing Full Scale Operation to Pilot Plant Performance of a Pressure Membrane System Treating Columbia River Water - Rebecca Venot	Water Conservation - Preparing the Next Generation of Water Conservation Practitioners.- Roger Ebbage	Knowledge Management for Water Utilities; a strategic plan for capturing utility knowledge. - Lee H. Odell, P.E.
		Make your PRV pay you!, In line Hydro Power addition to ex. Vernon PRV Station - Bryan Robinson	Dewatering Considerations for In - Water Work - Jeff Wall	Dissecting an AMI Dataset - Marshall Thompson	Oregon's New Best Management Practice for Cyanobacteria - Kim Swan	Optimizing Flocculation and Arsenic Removal in Drinking Water Supplies Containing Interfering Ions - Ben Ware		
CEUs	ID/OR/WA 0.1/0.1/0	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1

Detailed Conference Program Schedule: Spokane 2013

Friday								
Morning	Reg Tech Session							
Room	101	102AB	102CD	201A	201B	201C	202C	202AB
Hosting Committee	Water Resources	Distribution	Engineering	Public Information	Public Officials- ALL WELCOME	Distribution/Research	Small Systems	Water Treatment
7:30 - 8:30	Ecology's Perspective on Conjunctive Use - Dave Nazy	Welcome to the 21st Century Distribution System. - Onno Koelman	Comparison of Conventional and Alternative Project Delivery Methods: What's in an Acronym? - Craig Massie	Managing Financial Risk Against Declining Water Sales - John Ghilarducci, FCS	What Public Officials Need to Know about Drinking Water - Catherine Howells, Adjunct Professor	Innovative Methods for Pipeline Assessment - Part 1 - Mark Carlson	Planning for small systems - Christine Collins	Conducting Tracer Studies for Regulatory Compliance and Understanding Plant Hydraulics - Jason Canady
	Technical Perspective: Feasibility and Optimization of Artificial Recharge to the Spokane Valley-Rathdrum Prairie Aquifer for Summer Flow Augmentation of the Columbia River - Michael Barber, PHD	Branch Line Pumping Alternatives - Joe Evans, Ph.D	Misadventures in Projects: One Engineer's Journey - Laura Farthing		Everything We Need to Know We Learned in Kindergarten - Brian Murphy			Department of Homeland Security Regulatory Impacts on Monetizing Risk for a Disinfection Alternatives Analysis - Donnie Stallman
CEUs	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	Not Submitted	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1
8:30 - 8:45 Break								
8:45 - 9:45	Case Study: A Conjunctive Use Approach Addresses Regulatory Needs and Positions a Rural Water System (CCPUD) to Meet Future Demands. - Jim Mahady, PE	Catastrophic Event Emergency Water Supply Plans - Mel Damewood	How are Construction Documents Different for Alternative Delivery Projects. - Thomas Paul	Tentative title: Are Your Water Rates Affordable? - Paul Matthews, Chief Financial Officer	The Oregon Seismic Resiliency Plan for Water Utilities - Mark Knudson, Chief Engineer	Innovative Methods for Pipeline Assessment - Part 2 - Mark Carlson	City of Salem Backflow Prevention - Lacy Goeres	Problems with Hypo: Best Design Practices for Smooth and Efficient Sodium Hypochlorite Feed Systems- Jeffrey Zahler
	Case Study: Conjunctive Use of Surface Water, Bank Filtration, and Groundwater Sources to Meet Demand at the City of Kennewick - Chris Pitre	48 MG Terminal Reservoir Replacement Project: Replacing Aging Infrastructure while Maintaining Storage and Supply - Greg Loscher	Risks Associated with Alternative Delivery Methods - Dan Becker					Chlorination Conversion, Making the Right Choice - Joseph Foote
CEUs	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	Not Submitted	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1
9:45 - 10:00 Break								
10:00 - 11:00	Case Study: Evolution of Source Water Appropriation at the City of Walla Walla - A Conjunctive Use Approach - Frank Nicholson, PE	Successful Replacement of Failing AC Water Distribution Pipe using Trenchless Methods in Olympia, WA - Matthew Davidson	Panel Discussion - Lead :Wallace McCullough	Tips for Talking About Money - Clark Worth	How to Develop and Implement a Capital Facilities Charge/Capacity Rental Program - Ed Cebron, Gordon Wilson - Steve Pritchett, Morgan Dennis	Water Distribution System Energy Efficiency Optimization - Michele Campbell	Pro's & Con's of Well Construction - Steve Schneider	Maximizing Clearwell CT via Integration of a Chlorine Demand and Decay model - Bill Persich
	Case Study: Balancing Surface Water and Groundwater Use at the Portland Water Bureau - Patrick Easley, PE	Case Study: Reducing Electricity Costs with a new Reservoir - Tyler Wubbena						Treatment of Well Water for Iron and Manganese while Avoiding Odors- Mark Carlson
CEUs	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	Not Submitted	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1
Afternoon	Reg Tech Session							
Room	101	102AB	102CD	4	202AB	201C	202C	201AB
Hosting Committee	Water Resources	Distribution	Engineering	Empty	Water Treatment	Research/Distribution	Small Systems	Competitions
1:30 - 2:30	Micro Hydro - Laws, Regulation, and Permits - Everything you need to know - Jed Jorgensen	More than just a new paint job. Factors for successful outcomes in steel water reservoir coating - Gerald Duppong	Water Reservoir Inspection and Structural Analysis - Peter Boone	Empty	How are they doing? Checkup on the Enaville and Glens Ferry Microfiltration WTPs - Michael Conn	Applications of a novel corrosion control treatment from bench top to full scale pilot study- The use of magnesium sulfate to mitigate lead leaching - Suzanne DeLorenzo	Aging water storage tanks, what do we do? - Cory Baune	Top Ops
		Modeling Water Supply Reliability following a major earthquake - Anne Symonds	Making a Critical Investment: Data-driven Analysis of Pipeline System Performance and Service Life Estimates - Ronan Igloria		"Developing a Coastal Oregon Water Supply Planning and Design of Water Supply, Treatment and Storage Facilities for the City of Gearhart" - Milton Larson			
CEUs	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1		ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1
2:30 - 2:45 Break								
2:45 - 3:45	City of Pendleton (ASR) - Finding the ASR - Alternative Energy Nexus Through Micro-hydro! - Bob Patterson	EJ USA, Inc. Hydrant & Valve Training Class - Kirk Stoltzner	Using Hydraulic Modeling as a Foundation for Design -Jennifer Henke	Empty	Reconsidering ozone as an oxidant in manganese treatment - Russell Porter	Effects of Material Properties, Design and Construction on Corrosion Control and Condition Assessment of Water Infrastructure- Graham Bell	Retrofitting your existing concrete water tanks - Mark Moore	Field Innovations
	City of Portland: Make your PRV pay you! In-line Hydro - Bryan Robinson	City of Corvallis' North Hills 1st Level East Reservoir Improvements - Jeff S. Jones, P.E.	Master Planning on a Budget - Michelle L. Johnson		Design of a new Water Supply and Treatment Plant for the City of Longview - Janet Snedecor			
CEUs	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1		ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1
3:45 - 4:00 Break								
4:00 - 5:00	Tacoma Public Utilities - Making Reservoir Head Work For You - Glen George	Raising the Roof - Mitigation of Seismic Sloshing in a 4 MG Steel Water Standpipe - Ken Dahl	Horizontal Directional Drilling: An Innovative Solution to Water Line Projects in the Urban Environment - Nicholas Augustus, P.E.	Empty	Design for safety: Incorporating Operational and Constructability Safety into the LO-T WTP Expansion - Kari Duncan	Managing the Risk of Microbial Contamination during the Repair of Water Main Breaks - A Review of Current Practice and Consolidation of Best Practices - Mark Urban	Empty	Empty
	Enhancing Hydro-electric Generation - Pete Vidmar	Overcoming Water Quality Challenges During Introduction of a New Source of Supply - Stephen Booth	6,000 GPM of Dewatering for 200-ft of Microtunneling Installed Pipe? - Adam Schuyler		Re-Engineering a Failing UF system to Increase Reliability - Dan Hugaboom			
CEUs	ID/OR/WA 0.05/0.1/0	ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1		ID/OR/WA 0.1/0.1/0.1	ID/OR/WA 0.1/0.1/0.1		