

Wednesday, May 4, 2016 - Morning Pre-Conference Seminar - Must Attend All 3 Hours for CEUs							Full Day Seminar	
Room	Salmon	Summit	Firs	Pines	Willows	Snake	Payette	Perch
Hosting Committee		Water Resources		Personal Leadership	Engineering	Distribution	Water Treatment	
		Drought and Climate Change - Better Planning Or The New Normal? (Part 1) (No CEUs)		Find The Leader Within You (Part 1) (No CEUs)	Regional Water Planning / Drought Planning - Drought & Water Supply	Asset Management For Distribution Facilities	Membrane Water Treatment (FULL DAY SEMINAR)	
Moderator		Rob Annear		Jim Meierotto	Jim Konigsfeld	Jamie Porter	Scott Johnston	
8:30 -12:00, with two 15-minute or three 10-minute breaks		Oregon's Perceptions On Drought: Processes, Planning, Communication - Racquel Rancier		Welcome, Introductions, Outcomes & Expectations - Mark Poling	Drought 2015: Small, Rural System Preparation In Mason County, Washington - Jocelyne Gray, Corina Hayes	Standards and Guidelines for Utility Work & Asset Management - Marshall Thompson	King Abdullah Economic City: Pretreating Seawater With Ultrafiltration Membranes - Kenneth Packard	
		Washington's Perceptions On Drought: Processes, Planning, Communication - Jeff Marti		The Leadership Challenge Introduction - Jadene Stensland	Managing Multiple Stakeholders On An Emergency Drinking Water Project - Jeff Ballard, Morgan Wayman	Seismic Resiliency Planning For Water Distribution Systems: Lessons Learned From The TVWD Water Master Plan - Josh Miner, Rachel Lanigan, Mike Britch	Ceramic UF Membranes: Latest Innovations & Pilot Test Results - Brian Wise	
		Idaho's Perceptions On Drought: Processes, Planning, Communication - Tim Luke		The Five Practices: Model The Way- Michael Comeskey	Quantifying Uncertainty Through Position Analysis In Drought Water Supply Planning: Examples From California - Thomas FitzHugh	Condition Assessment & Rehabilitation Of Pumps, Valves, & Meters - Dan Buonadonna, Jeff Sanford	On-Demand, Gravity Powered Ceramic Filtration Facility: Forget What You Know About How A WTP Is Supposed To Operate - Nathan Kutil	
		How State Agencies Work With Different User Groups Across the State - Panel Discussion		The Five Practices: Inspire A Shared Vision - Nicki Pozos	Long-Range Reuse Planning To Improve Water Quality & Reduce Thermal Impacts - Rachel Lanigan, Steve Kebbe, Bob Eimstad	Not Just For The Dogs: Inspection, Maintenance & Data Management of Hydrant Assets - Ronan Igloria, Nathan Endicott, Juston Manville, Dennis McGrath		
		Oregon's Perspectives On Climate Change Science & Impacts - Phil Mote		The Five Practices: Challenge The Process - Mark Poling	To Meter Or Not To Meter, That Is The Question - David Stangel	What's The Status Of Your Vertical Assets? Use Repeatable Condition Assessment To Track Changes Over Time - Dale Jutila, Jeff Sanford	Tracking The Performance Of Your Membranes Using The MEMBoard Database System - Bill Carr, Anne Brehant	
		Washington's Perspectives On Climate Change Science & Impacts - Joe Casola		The Five Practices: Enable Others To Act - Jadene Stensland	2 Valves Down, 2000 Services Out: Seattle's High Impact Shutdown Block Analysis - Cheryl Capron, Jim McNerney, Lilin Li	Water Well Asset Management Programs - Jeff Austin, John Kitchen		
CEUs		No CEUs		No CEUs	ID-0.3 / OR-0.3 / WA-0.3	ID-0.3 / OR-0.3 / WA-0.3		

Wednesday, May 4, 2016 - Afternoon Pre-Conference Seminar - Must Attend All 3 Hours for CEUs								
Room	Salmon	Summit	Firs	Pines	Willows	Snake		Perch
Hosting Committee		Water Resources		Personal Leadership	Engineering	Distribution		
		Drought and Climate Change - Better Planning Or The New Normal? (Part 2) (No CEUs)		Find The Leader Within You (Part 2) (No CEUs)	Regional Water Planning / Drought Planning - Resiliency	Asset Management Implementation	Lunch	
Moderator		Rob Annear		Jim Meierotto	Nathan Abercrombie	Tom Keown	Ali Leeds	
1:00 - 4:30, with two 15-minute or three 10-minute breaks		Idaho's Perspectives On Climate Change Science & Impacts - Ron Abramovich		The Five Practices: Encourage The Heart - Nicki Pozos	Becoming The Model For Regionally Redundant, Resilient Infrastructure In The Pacific NW - Austin Peters, Todd Perimon, Dave Kraska, Jenn Minton	Pairing The Right Technology With The Level Of Risk: A Defensible Way To Approach Condition Assessment - Logan Fesenmair	Columbia Membrane Facility Tour & Pinning Demonstration	
		What Resources & Tools Exist To Allow Water Users To Take Advantage Of The Best In The Climate Science? Panel Discussion			Will It Fall Down? City of Vancouver Seismic Study - Nick Robertson, Patrick Craney			
		City Of Portland Water Bureau's Perspectives On Drought & Climate Planning - Kristin Anderson, Dave Peters		Leadership Values - Mark Poling	Seismic 101 - How To Choose Seismic Performance Criteria & What That Means - Mathew Perkins	Should I Turn My Water System Into A Power Plant? Uncovering The Hidden Costs Of Micro-Hydro In A Water Supply System Requires A Thorough Preliminary Design - Scott Duren, Peter Brooks		
		Seattle Public Utilities' Perspectives On Drought & Climate Planning - Paul Fleming		Leadership Certificate Program Participants Share Their Experience - Michael Comeskey, Shannon Ostendorf	Seismic Resiliency Of Dams: A Reliable Drinking Water Source For The City Of Newport, OR - Verena Winter, Tim Gross	Drilling Down: Evolution Of A System-Wide Modeling Analysis From An Optimized Capital Improvement Program To A 3-Zone Pump Station Design Meeting 14 Functional Objectives - Dave Harms, Denny Clouse		
		What Was The Biggest Challenge For Your Organization, Now, In The Near Future, & Long-Term, Regarding Droughts Or Climate Change? Panel Discussion			Resilience Planning: Dependencies & Cascading Effects - Kent Yu, Jim Newell	Maximizing Your Utility Assets While Meeting The Changing Telecommunications Needs: A Successful Partnership Between The Owner, Engineer & Telecommunication Companies - Diane Pottinger, Shannon Emerick		
				Wrap-Up, Certificate Presentation	Laying A Solid Foundation For The Willamette Water Supply Program's Seismic Resiliency - Matt Duffy, Mike Britch, Mark Havekost			Q&A
CEUs		No CEUs		No CEUs	ID-0.3 / OR-0.3 / WA-0.3	ID-0.3 / OR-0.3 / WA-0.3	ID-0.6 / OR-0.6 / WA-0.5	

Thursday, May 5, 2016 - Afternoon Regular Technical Session

Room	Salmon	Summit	Firs	Pines	Willows	Snake	Payette	Perch	
Hosting Committee	Water Resources	Tri-State WARN	Research	Small Systems	Engineering	Distribution	Customer Service	Public Information	
	Water Quality Considerations In Developing & Maintaining Water Supply	The WARN Initiative and Utility Emergency Response	Water Reuse	Small Systems	Trenchless Technologies	Water Loss Control	Customer Service	Communicating About Water Quality - Where Truth & Trust Collide	
Moderator	Mike Grimm	Mary Ellen Collentine	Damon Roth	Don Popoff	Adam Crafts	Doug Schlepp	Tonya Reiss	Libby Barg	
1:30 - 2:30	Maintaining A Sustainable Potable Water Supply: Investing In Multi-level Groundwater Monitoring Wells Provides Water Quality Certainty Prior To Production Well Construction - Kevin Boggs, Kyle Radek	Idaho, Oregon & Washington Water/Wastewater Agency Response Networks (WARN) Overview - Shelley Roberts, Bill Carr	Integrated Water Management: What's Next? Lynn (Williams) Stephens, Cindy Paulson, John Whittler (No ID CEUs)	40 Years& Counting: How to Keep a Good Tank Going - Lael Alderman	Large Water Supply Pipeline Calls For Challenging Trenchless Installation In Lake Oswego, Oregon - Kimberlie Staheli, Brad Moore, Aaron Eder, Jon Holland, Joel Komarek, Dennis Koellermeier	Distribution Network Monitoring - John Kitchen	Engineers Got Customer Service - Jennifer Garbely (No WA CEUs)	Big Project = Big Communication Challenges For The Willamette Water Supply Program - Niki Iverson (No WA CEUs)	
	Like New! Renewal & Operation Of Auburn's Wells - Susan Fenhaus, Daniel Reisinger		Developing Tools For Surface Water Nutrient Loading Attributable To Reclaimed Water - Joan Oppenheimer (No ID CEUs)	Sultan's Dam Failure & How It Improved Their Treatment - Jolyn Leslie, Mick Matheson	Why Go Trenchless? Case Studies On The Use Of Trenchless Technologies - Tom Bailey, Greg Harris			Help Us, Communications Team - You're Our Only Hope: Navigating Communications for a Multi-City Water Project - Katy Fulton (No CEUs)	
CEUs	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.0 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.0	ID-0.05 / OR-0.05 / WA-0.0	
2:30 - 2:45 Break									
2:45 - 3:45	Hydrodynamic & Temperature Modeling To Support Reservoir Operations - Jacob Krall, Rob Annear, Kristin Anderson	Christchurch Earthquake & Lessons For The Pacific Northwest - Carmen Merlo	Direct Potable Reuse: Progress & Implementation In Oregon, California, New Mexico, & Texas - Danny Murphy, Mark Jockers, Adrienne Menniti, Bob Baumgartner, Rick Shanley	The Importance Of Contractor Prequalifications - Corie Peterson	City of Everett Pipeline 5 Replacement At The Pilchuck River Crossing, Using An Open Trench - Carla Talich, Rich Hefti	Skagit PUD's Emergency Replacement Of A Portion Of The Sedro Woolley Transmission Pipeline - George Sidhu, Mike Fox, Mike Benton	Working Towards The Utility Workforce Of The Future By Understanding & Addressing Bias - Nicki Pozos (No ID, WA CEUs)	Why Clean Water Is Important & Why We Should Talk About It - John Hendron	
	Assessment Of Potential Source Water Quality Risks Using A Pollutant Load Modeling Tool - Brian Apple, Rob Annear, Kimberly Swan		Potable Reuse – Treatment Issues & Health Risks - Pierre Kwan, Al Vetrovs	Storage Tank Alternatives: The Welds and Bolts - Michelle Johnson	Take Me To The Other Side: The Importance of Trenchless Crossings In Routing Water Supply Transmission - Joelle Bennett, Todd Perimon, Mark Havekost				Zero-Discharge Distribution System Mains Flushing Planning & Implementation - Alex Mofidi
CEUs	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.0 / OR-0.1 / WA-0.0	ID-0.1 / OR-0.1 / WA-0.1	
3:45 - 4:00 Break									
4:00 - 5:00	Killing Two Birds With One Stone: Improving Storage & Water Quality With A New Reservoir - Matthew Hickey	Damage Assessment Basics For Engineers & Operators - How To Set Up, Train & Deploy To Respond To An Emergency Event - Teresa Elliot	Recycled Water: America's Resilient Water Supply Panel Discussion - Clint Dolsby, Jeff Lundt, Mark Poling	Developing & Rehabilitating Water Supply Wells - Steve Schneider	Finding the Right Route: Planning a Large-Diameter Transmission Pipeline Route Through 6 Communities (& 2 Counties) - Todd Perimon, Joelle Bennett (No ID CEUs)	Assessment Of A Leaky Transmission Main & The Next Step(s) - Jeff Jones, Brendon O'Sullivan	Getting The Community Involved In Addressing Water Quality Issues In A New Water Supply - Dale Jutila, Amy Blain (No WA CEUs)	Trouble & Trust: How to Communicate With The Public In Emergency Situations - Mark Snider	
	Distribution System Nitrification: Causes & Controls - Pierre Kwan				Crossing The Lake Washington Ship Canal: The Complexities Of The Fremont Siphon Project - John Shutak (No ID CEUs)				Incorporating Helium Leak Detection Technology To Improve Distribution Leak Detection Programs - Jeff Austin
CEUs	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.0 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.05 / OR-0.1 / WA-0.0	ID-0.1 / OR-0.1 / WA-0.1	

Friday, May 6, 2016 - Early Bird Session

Room	Salmon	Summit	Firs	Pines	Willows	Snake	Payette	Perch
Hosting Committee	Water Resources				Engineering	Distribution		Utility Management
Moderator	John Lambie				Kysa Cronrath	Bill Reynolds		Dan Sleeth
7:15 - 8:15	Evaluating The Decentralized Approach To Non-Potable Water Management - Zita Yu (No ID CEUs)				NSF Certification for Hydraulic Concrete Structures - Travis McIntosh, Bruno DeToledo (No ID CEUs)	Keep My Hand-Dug Well Or Drill A New Hole? Bryan St. Clair		Taking On A \$250M Water System Expansion Program? How Do You Stay 1 Step Ahead Of Managing Your Assets Before They Manage You? - Michael Prett
CEUs	ID-0.0 / OR-0.1 / WA-0.1				ID-0.0 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1		ID-0.1 / OR-0.1 / WA-0.1
					Control Of Cracking In Concrete Potable Water Reservoirs - Travis McIntosh (No ID CEUs)	CFD Model To Optimize Hydraulic Design Of River Intake Pump Station, Lake Oswego Tigard Water Partnership, City of Oswego, Oregon - Liaqat Khan		

Friday, May 6 - Morning Regular Technical Session

Room	Salmon	Summit	Firs	Pines	Willows	Snake	Payette	Perch	Grove Hotel - River Fork Room
Hosting Committee	Water Resources	Public Officials	Water Treatment	Water Information Technology	Engineering	Distribution	Waste Water Track	Utility Management	Water Conservation
	Supply Security Through Portfolio Diversity		Groundwater Treatment	Water Information Technology		Water Quality			Water Meter Technology & Irrigation Modernization
Moderator	Jason Melady	Len Englund	Josh Kennedy	Rob Barrett	Rawley Voorhies	Logan Fesenmair	Eric Schey	Dan Sleeth	Julie Smitherman
8:30 - 9:30	Implementing The Perfect Long Term Water Supply Strategy for Bend Oregon - Patrick Griffiths	Cashmere Wastewater Treatment Facility: Start To Finish - Rick Ballard, Dan Mahlum, Tom Coleman (No CEUs)	Year In Review: PCE Contaminated Well Head Treatment Performance After 1st Year in Operation - Kristofor Snider, Bob Lawrence Pilot Testing & Preliminary Design: 15 MGD Paradise Point Groundwater Treatment Plant Using A New Media - Lee Odell	To Manage You Must Measure - Keith Kolkebeck Revenue Management As A Customer Service - Ed Hackney	3D Models: A New Dimension Of Understanding - Jennifer Minton, Ron Whitlach, Rom Emmons, Mike Trippett, Wayne Gresh Commissioning, Startup, & Training Of Booster Pump Stations: Lessons Learned from Recent Pump Stations - Nicholas Augustus	Pipe Thrust Restraint Buried - Douglas Schlepp, Daniel Kegley Pipe Thrust Restraint Exposed - Daniel Kegley, Douglas Schlepp	CSO – Mitigation Through Planning, Storage & Treatment - Harold W. Perry WA CEUs pending at print deadline. Check the conference app for latest information.	Executive Utility Management: How Do You Become A General Manager (Or Director), And What Does She Do For A Living? (Part 1 of 2) - Peter Fernandez Must attend both hours to get credit.	Flexible & Affordable Meter Reading Technology - Michele Harvey
CEUs	ID-0.1 / OR-0.1 / WA-0.1	No CEUs	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.01 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR 0.1 / WA pending		ID-0.1 / OR-0.1 / WA-0.1
9:30 - 9:45 Break								Break	
9:45 - 10:45	Building On The Success & Reliability of ASR: City Of Beaverton's Critical Supply Infrastructure - Ronan Igloria, Brion Barnett, David Winship, Larry Eaton Stormwater As A Local Resource - Mark Hanna, Rafael Villegas, Rebecca Batchelder, Aaron Poresky, Scott Mansell	Promoting Safe & Sustainable Water Supply Well Construction in Developing Countries - Steve Schneider (No CEUs)	Carcinogenic VOC's: Vancouver's 25 Year Treatment History - Tyler Clary Combined Hydrogen Sulfide & Arsenic Removal Using Aeration, Coagulation & Catalytic Activated Carbon Filtration - Joe Plahuta	Optimizing Operations & Saving Energy at SUEZ (United Water Idaho) - Elizabeth Keddy Leveraging GIS For Yearly System Flushing Start To Finish - Shane Lim	Persistence & Teamwork Pay Off: Technical, Permitting, & Communication Solutions Deliver State-of-the-Art Supply System For Lake Oswego & Tigard - Joel Komarek, Jonathan Holland, Dennis Koellermeier (No ID CEUs) Using Functional Objectives To Meet Water System Operational Needs, Develop Design Criteria, Drive The Design Process, & Improve Water Quality - Adam Schuyler, Denny Clouse, Jeff Kreshel, Ron Dorn	Domestic Water Connections To Waste Water Treatment Plants: Where Sewer & Water Meet - Donald Popoff Large-Scale Pressurized Irrigation Systems - Planning For, Impacts On Potable Water Systems, & Potential Integration To Re-Use Facilities: Case Study, City of Nampa - James Bledsoe (No ID CEUs)	How To Read PID Diagrams - Harold W. Perry WA CEUs pending at print deadline. Check the conference app for latest information.	Executive Utility Management: How Do You Become A General Manager (Or Director), And What Does She Do For A Living? (Part 2 of 2) - Peter Fernandez Must attend both hours to get credit.	Integrating AMI Data & Water Conservation Programming - Mike Buettner
CEUs	ID-0.1 / OR-0.1 / WA-0.1	No CEUs	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.05 / OR-0.1 / WA-0.1	ID-0.05 / OR-0.1 / WA-0.1	ID-0.1 / OR 0.1 / WA pending	ID-0.2 / OR-0.2 / WA-0.2	ID-0.1 / OR-0.1 / WA-0.1
10:45 - 11:00 Break									
11:00 - 12:00	Developing A Water Resources Portfolio With Recycled Water - Christopher Stoll Aquifer Storage & Recovery: A Critical Facility In The Event Of A Natural Disaster - Larry Eaton, Jason Melady (No ID CEUs)	Napa Rocks, But The Water Is On - Phil Brun (No CEUs)	Beginning The Treatment Journey: The Story Of The City Of Meridian Idaho's Path To Bring Online Their First Drinking Water Treatment Plant - Perrin Robinson, Enoch Nicholson, Clint Worthington, Lee Odell New UV Sensor Technologies Provide UV Dose Monitoring At Low & High Wavelength For MP UV Systems - Mark Heath, Traci Brooks, Harold Wright, Linda Hills, Christian Bokermann, Jeff Adams	Production Well Data Trend Analysis At 2 SUEZ (United Water Idaho) Facilities - Roger Dittus High Performance HMI - Rick Patton	Commissioning & Start-Up Of A WTP Backup Power Facility - Erika Murphy, Wayne Gresh (No WA CEUs) Seattle's Turbine Pumps: No Electricity Needed - Cheryl Capron (No CEUs)	Leveraging GIS For Cross Connection - Shane Lim Filter Asset Management: A New Sustainable Approach To Maintaining Filter Performance - Jeff Austin, John Kitchen	Reliability & Redundancy In Equipment Evaluation For CSO Facilities - Jeff Lundt, Bruce Nairn WA CEUs pending at print deadline. Check the conference app for latest information.	Project Management Isn't Just For Project Managers: 5 Tips For Project Team Members - Mark Graham (No WA CEUs)	Making Infrastructure Intelligent: Irrigation Modernization In California - Jeff Shaw (No ID, WA CEUs) SUEZ (United Water Idaho) Demonstration Garden Partnership - Stephanie Raddatz (No ID, WA CEUs)
CEUs	ID-0.05 / OR-0.1 / WA-0.1	No CEUs	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.05 / OR-0.05 / WA-0.0	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR 0.1 / WA pending	ID-0.0 / OR-0.1 / WA-0.0	ID-0.0 / OR-0.1 / WA-0.0

Friday, May 6, 2016 - Afternoon Regular Technical Session

Room	Salmon	Summit	Firs	Pines	Willows	Snake	Payette	Perch	Grove Hotel - River Fork Room
Hosting Committee	Water Resources	Subsection Advisory Council	Water Treatment	Water Information Technology	Engineering	Water Quality	Waste Water Track	Safety	Water Conservation
	Water Supply Resiliency: Adaptive Management Through Creative Planning	Competitions	Surface Water Treatment	Water Information Technology	Storage & Treatment	Regulatory Updates & Changing Views of Contaminants	Asset Management & Reliability Centered Design		Drought in the Pacific Northwest & Recycling Water
Moderator	Walt Burt	Doug Priest	Beth Mende	Colin Schmidt	Erika Murphy	Patrick Weber	Eric Schey	Pete Wagner	Christine Hollenbeck
1:30 - 2:30	Municipal Water Supply Planning: Inland NW Case Studies - David Stangel, Walt Burt, Jason Melady	Gimmicks & Gadgets	Ballasted Clarification Optimization At The Anacortes WTP - Greg Pierson, Jeff Marrs Using Zeta Potential To Optimize Coagulation For Direct Filtration & Conventional Treatment: The GRFF Experience - Peter Kreft, Gary Fox	Implementing A Power Monitoring & Reporting System Solution To Achieve Operational Efficiency Of Wells & Boosters - Robert Barrett Implementing An IP Radio Communications Solution To Achieve Improved Operational Efficiency & Enhanced Diagnostic Capability At Remote Facilities - Robert Barrett	Making Sense Of High Performance Coatings In Water Treatment Facilities - Nicholas Fitzgerald Why Coat Your Concrete Tank? Jeff Austin, Jonathan Catto	Implementing The Revised Total Coliform Rule In Idaho - Jerri Henry Responding To Operational Changes Following A Contamination Event - Brian McDaniel	Asset Management: Criticality, Assetizing, Failure Modes - Tina Hastings, Harold Perry, Alden Wyma <i>WA CEUs pending at print deadline. Check the conference app for latest information.</i>	MoveSafe TM - Jim Duke (No CEUs)	You Already Have A Lot of Data - Let's Put It To Work! - Brett Foreman (No CEUs)
CEUs	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR 0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR 0.1 / WA pending	No CEUs	No CEUs
2:30 - 2:45 Break									
2:45 - 3:45	Justifying The Implementation Of Aquifer Recharge & Recovery In The Absence Of Traditional Drivers - Matthew Gregg (No ID CEUs) Improving Source Resiliency In The Semi-Arid Inland Northwest: A Case Study of the City of Moses Lake - Kevin Lindsey, Shawn O'Brien (No ID CEUs)	Top Ops	Algae Control With Dissolved Air Flotation In Bellingham, WA - Kim Ervin, Josh Kennedy Two Better Than One: UV/Chlorine AOP - Qianru Deng, Andrew Nishihara	Mobile GIS-Based Asset Maintenance & Management - Arnab Bhowmick Static Calibration vs. Dynamic EPS Calibration - Aurelie Nabonnand, Jeremy Delmar, Alena Bennett	How To Cost-Effectively Add Reliability At An Aging WTP: The Chehalis WTP Experience - Kenneth Packard, Pierre Kwan The GRFF Gets Real: Startup & Commissioning At A 150 MGD Water Treatment Plant - Mark Graham, Gary Fox	HABs & EPA Health Advisories For Cyanotoxins - Casey Lyon Long-Term Lead & Copper Rule Revision Update - Megan Larson	Asset Management: Maintenance Best Practices, Risk Reduction Through Cost-Appropriate O&M Procedures - Tina Hastings, Harold Perry, Alden Wyma <i>WA CEUs pending at print deadline. Check the conference app for latest information.</i>	OSHA's Perspective On Developing, Sustaining & Continually Improving Your Safety Culture - David Kearns (No WA CEUs) Improving Emergency Preparedness Of The Public, Using Maslow's Hierarchy of Needs - Nicki Pozos, Mike Britch (No WA CEUs)	An Overview Of Drought In Oregon & The State's Response: The Role of Water Conservation - Racquel Rancier (No ID CEUs)
CEUs	ID-0.0 / OR-0.1 / WA-0.1	ID-0.1 / OR 0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR 0.1 / WA pending	ID-0.1 / OR-0.1 / WA-0.0	ID-0.0 / OR-0.1 / WA-0.1
3:45 - 4:00 Break									
4:00 - 5:00	Best Practices In Project Planning & Implementation - Elizabeth Kelly, Linda DeBoldt Great Caesar's Ghost: How Water Supply Management Issues Have Changed From 97 To Now - Bill Persich		Building and Operating A Slow Sand Filter At A Challenging Location - Steve Tanner, Tom Peters Treatment Plant Washwater Recovery To Achieve Zero Liquid Discharge - Alex Mofidi	National Incident Management System (NIMS) & Water Utilities: Planning & Emergency Operations - Matthew Bernard	New Underdrains, Media, Airscour & Seismic Upgrades Improve Performance & Extend the Life of Gravity Filters - Todd Reynolds, Deborah Russell Best Practices for Filter Media Analysis: Using ANSI/AWWA B100 For Improved Specification & Filter Maintenance Development - Rich Reavis	Manganese Accumulation & Release With Distribution Systems: Not Just An Aesthetic Issue Anymore - Melinda Friedman Evaluating Manganese Treatment to Reduce Customer Complaints - Stephen Booth	Reliability Centered Design Based On Data & Practices From Previous 2 Sessions - Tina Hastings, Alden Wyma <i>WA CEUs pending at print deadline. Check the conference app for latest information.</i>	Strategies For Prevention Of Fatal Accidents - Kanwer Khan, Jackie Robertson (No WA CEUs) Insights On Leadership For Operations & Safety: Cowboy Ethics - Brad Giles	A Proactive Approach to Surviving Drought: A Water Conservation Success Story - Julie Smitherman Targeting Peak Day Demand With Irrigation Inspections - Mike Buettner
CEUs	ID-0.1 / OR-0.1 / WA-0.1		ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR-0.1 / WA-0.1	ID-0.1 / OR 0.1 / WA pending	ID-0.05 / OR-0.05 / WA-0.0	ID-0.1 / OR-0.1 / WA-0.1