

Pre-conference Seminars				
PC1	PC2	PC3	PC4	PC5
Resources and Engineering	Research	South Sound Subsection (Check-in 7:30 a.m.)	Distribution	Young Professionals (1:30-4:30 p.m.)
Rm 317	Rm 318	Rm 315	Rm 316	Rm 315
Walter Burt Tyler Wubbena	Jeff Leighton Terry Martin	Linda McCrea	Doug Schlepp	Enoch Nicholson
<i>Aquifer Storage and Recovery: Applications and Issues in the Pacific Northwest</i>	<i>Asset Management: An Introduction and Overview and How it Can Improve Utility Management and Water Utility Operations and Maintenance</i>	<i>Introduction for Water Operators on the Complexities of Operating Storage Facilities: A Case Study of Two Projects Under Construction--Tacoma's McMillin Reservoir and Fruitland Mutual Water Company's Well 4 Tank</i>	<i>Making Sound Maintenance Decisions</i>	<i>Team-building and Networking Skills for Young Professionals</i>
ASR Technology Overview and System Development ---Phil Brown	Introduction to Asset Management ---Scott Haskins	History, Storage Issues, and Value of McMillin Reservoir ---Glen George	City of Fife Case Study--AMI ---Kurt Hospenthal	Team-building and Management Skills for Young Professionals ---Dennis Lynch
New Frontiers in ASR Applications ---Jeff Barry	Seattle Public Utility's Experience with Asset Management ---Terry Martin	Skar Construction Issues and Details Including How to Operate While Under Construction and What it Takes to Bring New Storage into Service ---Michael Washington	Highline Water District Large Meters ---Dan Sleeth	Unleashing the Power of Your Team ---Nicki Pozos
Peak Flow Guidance and ASR Source Water in Oregon ---Adam Sussman	Highline Water District's Experience with Asset Management ---Thomas Keown	Design of the New Facility at McMillin Reservoir ---Geoff Dillard	Active vs Passive Leak Detection Methods--A Comparison ---Rob Meston	Taking Advantage of the Resources Around You/How YPs Can Use Networking to Develop Their Careers in the Water Industry ---Bill Richmond
Baker City, Oregon Permit Application Experience (20 mins) ---Michelle Owen	Portland Water Bureau's Asset Management Benchmarking Process ---Jeff Lieghton	SCADA Systems Used for Storage and Treatment Operations at McMillin ---Jim Swanson	Flange Bolting/Gaskets/Petrolatum Wax Seminar ---Rich Varalla	Networking Tips for Building Working Relationships ---Mark Bransom
Recharge Application in Idaho ---Bill Quinn	City of Salem's Asset Management Capital Planning Program ---Barry Buchanan	Design, Construction, and Operation of New Tank at Fruitland Mutual Water Well #4 Site ---Dave Roberts	Managing Small Municipal and Private Water Systems Remotely Using Present-Day SCADA Tools ---Howard Woodward/ Glen Barcus	ID-0/OR-0/WA-0

Moderators

Pre-conference schedule:
8:30 a.m.-Noon with two 15-minute breaks

Lunch:
Noon-1 p.m.

1:00-4:30 p.m. with two 15-minute breaks

<p>ASR Implementation Issues in Washington ---Bryan Black/David Banton</p>	<p>EPA's Small System Tool for Asset Management ---Sonia Porter</p>	<p>Top Ops Session on First Five Hours ---Glen George</p>	<p>Fire Hydrant Operation and Maintenance ---Charlie Sovacool</p>
		<p>ID-0.6/OR-0.6/WA-0.6</p>	<p>ID-0.6/OR-0.6/WA-0.6</p>
<p>Energy Production and ASR: Microturbines, Economics, and Permitting; Where We are Now and the Target for Future Regulations ---Bob Patterson</p>	<p>Seattle Public Utility's Business Case for Asset Management ---Tim Skeel</p>		
<p>Engineering Considerations ---Chris Uber</p>	<p>Portland Water Bureau's Risk Management Issues with Implementing Asset Management ---Peter Nierengarten</p>		
<p>Integration of ASR into Water System Operations ---Joel Carey</p>	<p>Risk Management Issues Incorporated in Asset Management Practices ---Erick Heath</p>		
<p>ASR System O&M Requirements ---Brion Barnett</p>	<p>GIS/Data Management Support to Improve Reaching Asset Management Goals ---Richard Humphreys</p>		
<p>Regional Applications--Joint Water Commission/Umatilla Basin/USBOR Columbia Basin Groundwater Recharge Strategies ---Dave Winship/Niki Iverson/ J.R. Cook/ Bob Anderson</p>	<p>Portland Water Bureau's Condition Assessment Practices for Asset Management Support ---Bryan Robinson</p>		
<p>ID-0.6/OR-0.6/WA-0.6</p>	<p>Bellevue's Condition Assessment Program and its Optimization of Asset Management Procedures ---Ron Bard</p>		
		<p>ID-0.6/OR-0.6/WA-0.6</p>	

THURSDAY, MAY 13, 2010

Early Bird Sessions				
TEB1	TEB2	TEB2, cont'd	TEB3	TEB4
Distribution	Engineering	Engineering	Distribution	
Rm 315	Rm 317	Rm 317	Rm 316	Rm 404
Doug Schlepp	Tyler Clary	Tyler Clary	Andy Tuchscherer	Bill Carr
Tapping at the Speed of Light ---Dave Stanley	a. Bellevue Utilities' Asbestos Cement Water Main Replacement Program ---Bill Heubach	b. Being Prepared to Work Safely with Asbestos Concrete Water Pipe ---Michael Patten	Emergency Water Supply for Hazard Mitigation ---Scott Goss	New Committee Chair Training
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/OR-0/WA-0

OPENING CEREMONIES AND LUNCH

Technical Sessions					
TP1	TP2	TP3	TP4	TP5	TP6
Customer Service	Resources and Conservation	Engineering (1)	Distribution (1)	Water for People	Managers' Forum
Rm 407	Rm 317	Rm 316	Rm 315	Rm 404	Rm 318
Daniel Kegley	Stephanie Raddatz	Daniel Williams	Dan Sleeth	Sally Mills	Harvey Barnes
Customer Diversity in Your Community: Strategies for Communication and Outreach ---Lisa Ragain Using Google Applications to Manage Technology Needs in Your Water Utility for \$50 a Month ---Marshall Thompson	EPA's Sustainable Water Infrastructure Strategy for Water Utilities ---Cyndi Grafe	Applying Value Engineering Principles to Problem Identification and Resolution ---Randy Barber How Constructability Reviews Reduce Change Orders ---Bill Hawkins	Urban Pipeline Design and Construction ---Roger Beiler	Introduction to Water for People ---Marla Carter Water Operator Partnerships--A Tool for Improved Utility Operations ---Samuel Perry	<ul style="list-style-type: none"> •Rate Studies •Conservation Rates
ID-0.1/OR-0.1/WA-0	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/OR-0.1/WA-0	
Tweet Now, Meet Later--Social Media to Research Your Customer ---Jennifer Day-Burget What's a Customer Service Certificate Training Program? ---Brenda Lennox	Water Benchmarking for Conservation from a Large Utility Perspective ---Julie Burman Water Benchmarking for a Small Utility ---Patrick Griffiths	QA/QC Procedures During the Design Phase of Waterworks-type Projects ---Daniel Williams/Ken Howe Avoiding Startup Nightmares ---Christopher Sheridan	Large Meter Testing and its Benefits ---Dan Sleeth	Installation and Operation of a Water Treatment Plant and Distribution System in Sri Lanka ---Jennifer & Dan Garbely	<ul style="list-style-type: none"> •System Development Charges •Stimulus Money Debriefing
ID-0/OR-0/WA-0	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	
Customer Demographics and Effective Communication ---Craig Woolard	WaterSense: A Useful Tool for Saving Water ---Debra Sherbina WaterSense Program from a Water Utility Perspective ---Jim Meierotto/Tacy Steele	Legal Implications of Geotechnical Documents and Baseline Reports ---John Parnass Lessons Learned Through Trenchless Construction ---Kimberlie Staheli	Trenchless Installation Case Studies in the Pacific Northwest with Fusible PVC Pipe ---Bob Walker	Sustaining Infrastructure in the Developing World ---Jolyn Leslie	---Harvey Barnes/Dale Jutila
ID-0.1/OR-0.1/WA-0	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/OR-0.1/WA-0	ID-0.3/OR-0.3/WA-0.3

7:30-8:30 a.m.

Moderators

9:00 a.m.-1:00 p.m.

Moderators

1:30-2:30 p.m.

2:45-3:45 p.m.

4:00-5:00 p.m.

FRIDAY, MAY 14, 2010

7:15-8:15 a.m.

Early Bird Sessions				
FEB1	FEB2	FEB2, cont'd	FEB3	FEB4
Distribution	Engineering	Engineering	Distribution	Engineering
Rm 315	Rm 316	Rm 316	Rm 317	Rm 407
Andy Tuchscherer	Michael Norton	Michael Norton	Debbie Bertram	Tyler Clary
Drinking Water Quality Sampling: Why, Where, and How ---Lynn Kirby	a. 3D Laser Scanning for Water Engineering and Infrastructure ---Ron Hilliard	b. Enhancing the Client Experience with 3D Design ---Devin Wolf/Cliff West	Asset Management Program ---Thomas Keown	Haitian and Chilean Earthquake Impacts on Water Systems ---Don Ballantyne
ID-0.1/OR-0.1/WA-0.1	ID-0/OR-0.1/WA-0		ID-0.1/OR-0.1/WA-0.1	ID-0/OR-0/WA-0

Moderators

Public Officials/Managers
7:30-8:30 a.m.
Rm 318
Maury Hood
Public Officials and Mgrs Breakfast--Request for Public Records Info Discussion ---John Milne
ID-0/OR-0/WA-0

Moderators

8:30-9:30 a.m.

Technical Sessions						
FA1	FA2	FA3	FA4	FA5	FA6	FA7
Water Quality	Small Systems	Engineering (2)	Water Treatment	Distribution (2)	Conservation (1)	Public Officials (Managers welcome)
Rm 315	Rm 407	Rm 316	Rm 405	Rm 317	Rm 404	Rm 318
Glen Boyd	Mike Grimm	Jeff Foray	Michelle Cheek	Stuart Vaughan	Christine Hollenbeck	Maury Hood
Update on the Six-year Review of the Total Coliform Rule and Potential Distribution System Rule--What to Expect When ---Melinda Friedman	Fundamentals of Electric Valve Actuator Control ---Bob Halgren	How to Fit More Horses in Your Stable Without Building a Bigger Barn ---Jim Helton/Jeff Jones	Cost-Effective Water Filtration Processes for High-Quality Source Water ---Craig Thompson	Distribution Storage Operations and Maintenance for Optimal Water Quality ---Alex Chen/Cheryl Capron	Considerations for Water Conservation in Wet Climates ---Nancy Walker/Carolyn Spehr/Catherine Hurley	Compliance with the Washington Open Public Meetings Act ---John Milne
Method for Easy Total Coliform Rule Updates ---Dave Embleton	Smart Metering--Conservation the Easy Way? ---Michelle Johnson	City of Bellevue Pump Station Upgrade Program ---Ron Bard	Washington Water Service Company: Improved Surface Water Treatment Plant Performance by Implementing Washington Department of Health Optimization Program ---Ken Salt/John Ryding	Using In-house Staff to Accomplish Critical Distribution Storage Maintenance Tasks ---Alex Chen/Cheryl Capron		
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/OR-0/WA-0

9:45-10:45 a.m.

Water Quality Issues in Storage Facilities and Tools for Correcting Them ---Thomas Tackman	Camp Rilea Water System--Challenges of a New Small Water System ---Gordon Munro/Andrew de Boer	Reusing Old Facilities for New Water Treatment Systems ---Pierre Kwan	Disinfection Byproduct Reduction in a Small Filtered Surface Water System ---Enoch Nicholson	Steps to Recoating Steel Reservoirs ---Lance Stevens/Scott McConnell	Water Conservation and Irrigation Design ---Jenna Smith	Communicating Across the Generational Divide ---Nicki Pozos
Use of Reservoir Aeration for Small System Disinfection By-products Treatment ---Russell Porter	Due Diligence Concerns for Well Site Acquisition and Well Siting ---John Hildenbrand/Max Wills	Using Levels of Service Goals and Economic Analysis in a Balanced Approach to Seismic Mitigation ---Todd Perimon	A Success Story (so far)--The Challenges and Successes Encountered in the Expansion, Modernization, and Optimization of One of Oregon's Largest Treatment Plants ---Wally McCullough			
ID-0.1/OR-0.1/WA-0.1	ID-0.1/OR-0.1/WA-0.1	ID-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/OR-0/WA-0

FRIDAY MORNING (Continued)

Technical Sessions						
<p>Water Quality Implications Associated with Blending Ground Water and Surface Water Sources ---Steve Reiber/Glen Boyd</p> <p>Blending of Desalinated and Surface Water into a Distribution System: Effects on Lead and Copper Corrosion ---Gregory Korshin</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Taking Your Master Plan to the Next Level ---Jennifer Henke</p> <p>City of Bend Chooses Optimized Decision Support for Master Plan Update ---Tom Hickmann/ Michael Canning</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Seismic Upgrade Approaches for Water Storage Tanks ---Donald Ballantyne</p> <p>Reservoir Rehabilitation: Increasing Storage without Increasing Capacity ---John Nottingham/ Denny Clouse</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Influence of Coagulation Conditions on Particle-size Distributions and Floc Morphology ---Jeffrey Nason</p> <p>Unfiltered Systems: UV or Filtration? ---Mark Carlson</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Successful Recoating and Structural Repair Project-- Two Steel Tanks, 48 MG Capacity ---Jerry Duppong</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Irrigation Retrofits to Manage Peak-Hour Demands ---Jeff Petersen</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Mentoring a Sustainable Workforce ---Nicki Pozos</p> <p>ID-0/OR-0.1/WA-0</p>

FRIDAY AFTERNOON, MAY 14, 2010

Technical Sessions						
FP1	FP2	FP3	FP4	FP5	FP6	FP7
Conservation (2)	Engineering (3)	Research	Water Treatment and Research	Water Quality and Public Information	Distribution/ Competitions	Finance Management
Rm 405	Rm 316	Rm 317	Rm 315	Rm 318	Rm 407	Rm 404
Christine Hollenbeck	Carmen Nale	Alex Mofidi	Chuck Kingston	Stephen Booth	Dan Sleeth	Art Griffith
<p>Three Case Studies: Peak-Hour Demand Management ---Jill Hoyenga</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Using a 360° Approach to Leverage GIS, Asset Management, and CAD ---Eugene Durshpek</p> <p>Using GIS to Support Your Asset Management Program ---Nicki Pozos</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Distribution System Water Quality Strategic Initiative at the Water Research Foundation ---Frank Blaha</p> <p>Climate Change Research-- Status and Findings of Key Water Research Foundation Projects ---Mark Knudson</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Balancing Membrane Cleaning Frequency and Coagulant Dose for Columbia River Water: Pilot Study Results ---Rebecca Venot</p> <p>Treatment Process Selection for the New 20-million-gallons-per-day Longview, Washington Regional Water Treatment Plant ---William McCarthy/ Stephen Booth</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Responding to Customer Complaints about Particles in Water ---Stephen Booth</p> <p>How Your Lab May Help You Identify the Cause of Water Quality Issues ---Howard Boorse</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Where is That Leak? ---Joe Godwin</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Seattle Public Utility's Experience with Asset Management ---Terry Martin</p> <p>Challenges and Opportunities in the New Financial Context ---Mike Matchich</p> <p>ID-0/OR-0.1/WA-0.1</p>
<p>The Water Footprint Calculator: A Conservation Tool ---Anisha Shankar</p> <p>Evaluating Water Savings from Device Distribution: Portland's Story ---Sarah Santner/ Hossein Parandvash</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Approaching Sustainable GIS-integrated Hydraulic Modeling: Pilot Study to Full-scale Implementation ---Dave Harrington</p> <p>Keeping Current with Demand Development and Allocation for Hydraulic Water Models ---Paige Igoe</p> <p>ID-0/OR-0.1/WA-0.1</p>	<p>Colloidal Lead Release in Drinking Water Distribution System: An Ignored and Difficult Aspect of Lead Release Control ---Gregory Korshin</p> <p>Effects of Stirring and Mixing Processes on Reactive Species in Turbulent Flow Environments ---Jillian Cadwell</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Letting the Bugs Do the Work ---Lee Odell</p> <p>Pilot-Scale Evaluation of Manganese Removal Treatment Approaches for a Surface Water Source in Coos Bay, Oregon ---Anna Zaklikowski</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Taste and Odor Contributors from NSF-Compliant Materials During Routine Main Replacement ---Jason Pulley</p> <p>Gaining Public Acceptance for a New 20mgd Aquifer Source of Supply ---Laura Kennedy/ Amy Blain</p> <p>ID-0.1/OR-0.1/WA-0.1</p>	<p>Field Innovations Moderator: Bill Beckman</p> <p>ID-0.1/OR-0.1/WA-0</p>	<p>Delivering the Best Value for Money: Business Case Fundamentals ---Tim Skeel</p> <p>ID-0.1/OR-0.1/WA-0.1</p>

11:00 a.m.-Noon

Moderators
1:30-2:30 p.m.

2:45-3:45 p.m.

FRIDAY AFTERNOON (Continued)

4:00-5:00 p.m.

Technical Sessions						
<p>Talking About Water: Focus on Quality, Not History ---Emily Callaway</p> <p>Using Consumer Research to Develop Conservation Programs and Meet Goals ---Diana Smith</p>	<p>Parallel Modeling Efforts are Used to Analyze Regional Transmission and Local Distribution Systems and Refine Their Interaction ---Stephen Davis</p> <p>Construction and Callibration of an All-pipes Dynamic Model for the City of Bend Using GIS and SCADA ---David Stangel</p>	<p>Health Risk-based Screening Levels for Pharmaceuticals and Endocrine Disrupting Compounds in Drinking and Reuse Water ---Gretchen Bruce</p> <p>Developing Effective Support Systems for Sustainability and Climate Change Preparedness ---Nancy Walker</p>	<p>Reusing Old Facilities for New Water Treatment Systems ---Pierre Kwan</p> <p>Corrosion Evaluation at Young Life's Washington Family Ranch ---Michelle Cheek</p>	<p>Public Notification: Moving from Current Practice to "Best" Practice ---Lisa Ragain</p> <p>Rivers End Subdivision Cross Connection Event and Response ---Bill Thompson</p>	<p>Top Ops Moderators: Alan Schacht/ Chuck Kingston</p>	<p>Prioritizing for Financial Prudence and Other Benefits ---John Goodrich/ Dale Jutila</p> <p>Basics of Financial and Rate Planning for Successful Utility Management ---Nihat Dogan</p>
ID-0.1/OR-0.1/WA-0.1	ID-0/OR-0.1/WA-0.1	ID-0.1/OR-0.1/WA-0.1	ID-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