

North American Water Loss 2017

December 3-5, 2017 Paradise Point Resort - San Diego, CA



Sunday, December 3rd				
4:00 - 6:00 PM	Registration Open			
5:00 - 7:30 PM	Terrace Welcome Reception			
Monday, December 4th				
7:30 - 8:30	Registration Opens			
Sunset Pavilion (Ballroom) Opening Session & Welcome (Session 1)				
8:30 - 9:30	Conference Welcome & Opening Remarks: Sue Mosburg & Will Jernigan - Planning Committee Co-Chairs Conference Opening Keynote Address: Peter Grevatt, USEPA, Director, Office of Groundwater and Drinking Water			
10:00 - 12:00	Exhibit Hall Opens for Networking, with Coffee Break from 9:30 - 10:30 AM			
Exhibit Hall Open During Presentations	Session 2 Sunset Ballroom 1,2,3 Water Loss Control on a Grand Scale	Session 3 Sunset Ballroom 5 Proactive Implementation of District Metered Areas (DMA) for Leakage Management	Session 4 Dockside Room Customer Metering Issues and Developments	Session 5 Sunset Ballroom 4 Learning Module #1
10:30	The Largest Water Loss Technical Assistance Program In the United States – What's Been Done, And What's Next - Sue Mosburg, Sweetwater Authority	Different Area, Same Problem: Managing Water Loss in Rural and Urban USA with DMAs - Simon Wick, Matchpoint	Residential Water Use Patterns - Jonathan Gunn, Johnson Controls, Inc.	Water Audits 101: Compiling the Water Audit & Data Validation Andrew Chastain-Howley, Black & Veatch Brian Skeens, CH2M Heather Himmelberger, Southwest Environmental Finance Center
11:00	Impact of Largest Water Audit Validation Program in the USA - Kate Gasner, Water Systems Optimization	DMA Measurements as a Leakage Management Tool - Kevin Burgers, Water Systems Optimization	Just How Much Water am I Missing? - Ray Sloan, Birmingham Water Works Board	
11:30	Establishing validated water loss audit regulations for California - Todd Thompson, CA Dept of Water Resources	A Tale of 2 Systems: Urban Leak Sensors & Rural DMAs for Water Loss Management - Seth Rye, Rye Engineering, PLC	New Electronic Billing Meter Standards- Shocking Utilities & Customers! - Ken Molli, Veolia North America	
12:00 - 1:30	Keynote Luncheon (Sunset Pavilion Ballroom) (Session 6) Master of Ceremonies The State of Water Loss Control: A Report from the American Water Works Association, Gary Trachtman, ARCADIS Luncheon Keynote Address: Felicia Marcus Chair, California State Water Resources Control Board			
Exhibit Hall Open During Presentations	Session 7 Sunset Ballroom 1,2,3 USA Regulatory Developments in Water Loss Control	Session 8 Sunset Ballroom 5 Demystifying Pressure Management's Methods and Capabilities	Session 9 Dockside Room Utility Accounts of Successful Water Loss Control Programs	Session 10 Sunset Ballroom 4 Learning Module #2
01:30	Pioneering Water Loss Control – Several States Advance with Technical Assistance Programs - Steve Cavanaugh, Cavanaugh	Dispelling the Myths of Advanced Pressure Management - Julian Thornton, Thornton International	City of Asheville NRW Program - Combined presentation of Brandon Buckner and Brenna Cook	Managing Production Flowmeter Installations and the Volumes of Water Supplied John Van Arsdale, M.E. Simpson Company
02:00	Hawaii's New Water Loss Audit Training Program - Neal Fujii, Hawaii Commission on Water Resource Management	Latest Practical Advances in Pressure Management - Marco Fantozzi, Independent Consultant	From Audit to Success... Amber Whisner, City of Dallas, Georgia	
02:30	The Evolution of a Statewide Water Loss Control Program in Wisconsin - Denise Schmidt, Public Service Commission of Wisconsin	Specialized Hydraulics for Water Loss Management: Hydraulic Transients & Flow Measurement at Pumps - Fabian Papa, HydraTek & Associates	Adding the Dimension of Loss Control Programming to Water's Most Resourceful City: San Antonio - Patrick Shriver, San Antonio Water System	
3:00-3:15	Break			
3:15 - 4:00 PM	Session 11 Sunset Pavilion Ballroom Panel Discussion - The Growing Impact of Water Loss Control on Drinking Water Utilities Panelists: Mary Ann Dickinson, Alliance for Water Efficiency, Max Gomberg, California State Water Resources Control Board, Edward Osann, Natural Resources Defense Council, Joone Lopez, Molton Niguel Water District			
Exhibit Hall Open During Presentations	Session 12 Sunset Ballroom 1,2,3 International Issues in Water Loss Control	Session 13 Sunset Ballroom 5 Advances in Water Audit Data Assessment and Validation	Session 14 Dockside Room Innovative Leakage Management Technologies	Session 15 Sunset Ballroom 4 Learning Module #3
4:00 PM	A Global View on Non-Revenue Water - Roland Liemberger, Miya	Level 1 Water Audit Validation: Is Your Water Audit Valid? - Lucy Andrews, Water Systems Optimization	What's New in Leak Location Technology or is There an Elephant in the Room - Stuart Hamilton, HydroTec, Ltd	A Listening and Learning Session on the Use of Percentage Performance Indicators for Non-revenue Water Management George Kunkel, Kunkel Water Efficiency Consulting Will Jernigan, Cavanaugh Cor Merks, Witteveen + Bos, Netherlands
4:30 PM	NRW Skills Certification: Pipe Dream or Reality? - Mary Ann Dickinson, Alliance for Water Efficiency & Jo Parker	Better Than Perfect – When your ILI is too good..... - Sarah Doherty, City of Olathe, KS Public Works	DMAs - A must for PVC Systems - Chris Leauber, Water and Wastewater Authority of Wilson County, TN	
5:00 PM	Water Efficiency in Drought Scenarios – Relevant World Experiences - Ignacio Pena, Independent Consultant	The Psychology of a Water Audit: Lessons learned from Level I Validated Water Audits in California - Drew Blackwell, Cavanaugh	How Low Can You Go? Drivers for Leakage Management in Denmark - Pia Jacobsen, Aarhus Water & the Water Technology Alliance	
5:30 - 6:15	Meet & Greet Networking Social in Exhibit Hall			
6:15 - 8:00	Evening Dinner Event with Light Entertainment and Networking (Session 16)			
8:00 - 10:00	Matchpoint Reception - Paradise Terrace with Entertainment			

Tuesday, December 5th

7:30 - 8:30		Registration & Exhibit Hall Opens Technology Quick Hitter Presentations (20 min) from 7:15 - 8:15 AM			
Exhibit Hall Open During Presentations	Session 17 <i>Sunset Ballroom 1, 2, 3</i> Leak Detection Technology 20-minute Quick Hitter Presentations	Session 18 <i>Sunset Ballroom 5</i> Revenue Protection & Asset Management Technology 20-minute Quick Hitter Presentations	Session 19 <i>Dockside Room</i> Pressure Management & Energy Management Technology 20-minute Quick Hitter Presentations	Session 20 <i>Sunset Ballroom 4</i> Joint Meeting of the AWWA Water Loss Control Committee and the California Water Loss Collaborative Sunset Ballroom #4 7:00 - 8:15 AM	
	07:15	Trunk Main Leak Detection – Over Ten Years of Inline Acoustic Leak Data - Cameron White, Pure Technologies, Ltd.	The Nexus of Leak Detection and Asset Management - Roy Martinez, Wachs Water Services	Thought You Had Seen It All? – The Value of High Frequency Pressure Data, James Dunning, Syrinix, Inc.	
	07:35	Assessing Water Loss in Plastic Pipes in Water Distribution & Transmission Systems - Chuck Hansen, ElectroScan, Inc	Technology that is Out of this World: Making Sense of Space Data - Philip Briscoe, Rezatec	Measuring Water Energy Savings via Loss from AMI Piggybacking technology - Christine Boyle, Valor Water Analytics	
	07:55	How Permanent Monitoring Can Amplify Non-Revenue Water Programs - Kevin Brook, Primayer, Ltd.	Revenue Protection and Recovery for Small-to-Mid Size Utilities - Travis Smith, Sensus, a Xylem brand	Advanced Pressure Management - David Duccini, Suez	
Exhibit Hall Open During Presentations	Session 21 <i>Sunset Ballroom 1, 2, 3</i> Business Case Considerations for Implementing Water Loss Control Best Practices	Session 22 <i>Sunset Ballroom 5</i> Implementing Pressure Management: Utility Case Studies	Session 23 <i>Dockside Room</i> North American Regional Issues in Water Loss Control: California's Progressive Programs	Session 24 <i>Sunset Ballroom 4</i> Learning Module #4 Customer Meter Management for Effective Revenue Protection Craig Hannah, Johnson Controls Jonathon Gunn, Johnson Controls Steve Davis, Metering Technology Consultants	
	08:30	Water Research Foundation Project 4695 - Guidance on Implementing an Effective Water Loss Control Plan - Gary Trachtman, ARCADIS	Evaluating Pressure Optimization to Manage Water Loss in a District Metered Area (DMA) - Rhonda Himley, Moulton Niguel Water District	MWDOC Water Loss Control Partnership: A New Model for Regional Water Efficiency - Lucy Andrews, Water Systems Optimization Joe Berg, MWDOC	
	09:00	The Use of a NRW Practices Rating Tool in Planning and Evaluating NRW Management Programs - Alan Wyatt, Independent Consultant	Pressure Optimization in Asheville, NC: Phase Two - Julian Thornton, Thornton International	Making Gains with Water Loss Control - Amy McNulty, Irvine Ranch Water District	
	09:30	A Non-Revenue Water Tale of Five Cities - Tory Wagoner, Cavanaugh	Under Pressure to Reduce Non-revenue Water? A Small Utility Benefits from Pressure Management - Kent Murray, Technolog	Water Loss Control in Los Angeles Sofia Marcus, Los Angeles Dept. of Water and Power	
10:00 - 10:30		Exhibit Hall Open for Networking & Coffee Break			
Exhibit Hall Open During Presentations	Session 25 <i>Sunset Ballroom 1, 2, 3</i> The Multi-year Progress of Water Loss Programs in State Agencies	Session 26 <i>Sunset Ballroom 5</i> Utility Case Studies of Successful Leakage Management	Session 27 <i>Dockside Room</i> Advancements in the Application of the Water Auditing Process	Session 28 <i>Sunset Ballroom 4</i> Learning Module #5 Expert Guidance on Automatic Meter Reading (AMR) & Advanced Metering Infrastructure (AMI) Don Schlenger, Don Schlenger & Associates David Hughes, American Water	
	10:30	Georgia's Water Loss Technical Assistance – the Full Spectrum - Larry Lewison, Cavanaugh	How a Proactive Leak Detection Program has impacted a Georgia Utility - Jason Jay, Columbus Water Works	Building Trust in Water Audit Data: Validity, Volume, and Value David Sayers, Black & Veatch	
	11:00	10-Year Synopsis Implementing Washington's Water Use Efficiency Laws - Mike Dixel, Washington State Dept. of Health, Office of Drinking Water	Lessons Learned in Sacramento on DMA Implementation - Julie Friedman, City of Sacramento, CA Department of Utilities	Grading Your Water Audit Teamwork Neal Christen, City of Santa Cruz Water Department	
	11:30	Water Loss Audit Data Improvements in Texas Using Existing Mandates - Daniel Rice, Texas Water Development Board	City of Santa Cruz: Low Leakage, But the Work Is Not Over - Kate Gasner, Water Systems Optimization	Automating the Water Audit: Linking Daily Data Collection to the Annual Water Auditing Process - Andrew Chastain-Howley, Black & Veatch	
12:00-1:30		Luncheon (Session 29) Luncheon Presentation: Water Loss Control Policy at the US Supreme Court - Peter Mayer, Water Demand Management			
Exhibit Hall Closes at 3:30	Session 30 <i>Sunset Ballroom 1, 2, 3</i> Water Loss Business Case Development in the Absence of Dedicated Funding	Session 31 <i>Sunset Ballroom 5</i> Giving Water Away? The Importance of Service Line Sizing and Customer Meter Accuracy	Session 32 <i>Dockside Room</i> The Most Important Number in the Water Audit: Validating Production Flowmeter Data	Session 33 <i>Sunset Ballroom 4</i> Learning Module #6 Applying Advanced Leakage Control and Pressure Management Reinhard Sturm, Water Systems Optimization Reid Campbell, Halifax Water Julian Thornton, Thornton International	
	01:30	Whether You Think You Can or You Think You Can't, You are Right! - Roland Liemberger, Miya	A Break with Convention: Reducing Apparent Losses through Meter Testing and Volume Based Capacity Classes - Michael Powers, Rainbow Municipal Water District	Production Flow Meter Uncertainty Gets You Started - Brian Skeens, CH2M	
	02:00	How to Deliver a Successful Water Loss Project with Zero Investment - Stuart Hamilton, Hydrotec, Ltd	The Silent Thief - Large Meter Accuracy Degradation Findings & Impacts - Ken Molli, Veolia North America	Testing Finished Water Meters – A Low Tech Approach - John Gilroy, City of Olathe, KS Public Works	
	02:30	Can Performance Based NRW Reduction Contracts Help US Water Systems? Paul Fanner, Miya	Assessing Water Demand Patterns to Improve Sizing of Water Meters and Service Lines - Project Update - Peter Mayer, Water Demand Management	Electronic & Volumetric Calibration of a WTP Production Meter - Scott Rovanner, City of Benicia, CA	

3:00-3:15	Break		
Exhibit Hall Closes 3:30	Session 34 <i>Sunset Ballroom 1,2,3</i> Large System Water Utility 15 minute "Quick-Hitter" Case Studies	Session 35 <i>Sunset Ballroom 5</i> Medium-size Water Utility 15 minute "Quick-Hitter" Case Studies	Session 36 <i>Dockside Room</i> Small Size Water Utility 15 minute "Quick-Hitter" Case Studies
3:15 - 4:15	New York City - Bill Richardson San Antonio Water System - Patrick Schriver Los Angeles Dept of Water & Power - Peter Dugan Aqua PA - Christie Patel (Brown & Caldwell)	City of Asheville, NC - Brandon Buckner City of Rio Rancho, NM - Marian Wrage Bill Dunnill, Consolidated Utility District, TN Speaker To Be Determined	City of Dallas, Georgia - Amber Whisner ElIJay-Gilmer County W/S Authority - Gary McVey Two additional speakers To Be Determined
4:15 - 4:45	Closing Session / Conference Wrap Up/ Next Steps for Water Loss Control (Session 37)		

