

North American Water Loss 2017

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

Sunday, December 3rd

4:00 PM - 6:00 PM	Registration Open - Paradise Foyer
5 PM - 7:30 PM	Welcome Reception - Paradise Terrace

Monday, December 4th

7:30 AM	Registration Opens - Paradise Foyer
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Opening Session & Welcome (Session 1) - Sunset Pavilion

8:30 AM - 9:30 AM	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
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9:30 AM - 10:30 AM	Exhibit Hall Opens at 9:30 AM. Networking Coffee Break from 9:30 - 10:30 AM - Paradise Ballroom
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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 AM	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 AM	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 AM	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 Moll, Veolia North America	

12:00 PM - 1:30 PM	Keynote Luncheon (Session 6) - Sunset Pavilion Luncheon Keynote Address: Felicia Marcus Chair, California State Water Resources Control Board The State of Water Loss Control: A Report from the American Water Works Association, Gary Trachtman, ARCADIS			
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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
1:30 PM	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 George Kunkel, Kunkel Water Efficiency Consulting John Van Arsdel, M.E. Simpson Company
2:00 PM	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	
2:30 PM	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 PM - 3:15 PM	Break			
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3:15 PM - 4:00 PM	Session 11 - Garden Room Panel Discussion - The Growing Impact of Water Loss Control on Drinking Water Utilities Steve Cavanaugh, Moderator Panelists: Mary Ann Dickinson, Alliance for Water Efficiency, Max Gomberg, California State Water Resources Control Board, Edward Osann, Natural Resources Defense Council, Bennett Weinstein, Georgia Environmental Protection Division			
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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	Quality Assured - The United Kingdom Accreditation Scheme for Water Industry Contractors - Jo Parker, Watershed Associates	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	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	Presentation is being Finalized	The Psychology of a Water Audit: Lessons learned from Level 1 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 PM - 6:15 PM	Meet & Greet Networking Social in Exhibit Hall - Paradise Ballroom			
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6:15 PM - 8:30 PM	Evening Dinner Event with Light Entertainment and Networking (Session 16) - Sunset Pavilion			
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8:00 PM - 10:00 PM	Evening Reception with Entertainment Hosted by MatchPoint - Paradise Terrace All Conference Attendees are Welcome!			
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Tuesday, December 5th

7:30 AM		Registration & Exhibit Hall Open at 7:30 AM 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> Leveraging Flow and Pressure Data to Optimize Water Distribution Systems 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
	7:15 AM	Trunk Main Leak Detection – Over Ten Years of Inline Acoustic Leak Data - Carl Sharkey, 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.	
	7:35 AM	Assessing Water Loss in Plastic Pipes in Water Distribution & Transmission Systems - Chuck Hansen, ElectroScan	Technology that is Out of this World: Making Sense of Spatial Data - David Johnson, Rezatec	Enhanced Network Management Through Remote Data Creation and Analysis - David Dolphin, Ayyeka	
	7:55 AM	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
	8:30 AM	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	
	9:00 AM	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	
	9:30 AM	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 Peter Dugan, 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 AM	Georgia's Water Loss Technical Assistance – the Full Spectrum - Larry Lewison, Cavanaugh	How a Proactive Leak Detection Program has impacted a Georgia Utility - Stacy Barnes, Columbus Water Works	Building Trust in Water Audit Data: Validity, Volume, and Value David Sayers, Black & Veatch	
	11:00 AM	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 AM	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 PM-1:30 PM		Luncheon Sunset Pavilion (Session 29) Luncheon Presentation: Lessons Learned in Non-Revenue Water Around the World that Matter in North America <i>Roland Liemberger, Miya</i>			
Exhibit Hall Closes at 3:30 PM	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
	1:30 PM	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	
	2:00 PM	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 Mollie, Veolia North America	Testing Finished Water Meters – A Low Tech Approach - John Gilroy, City of Olathe, KS Public Works	
	2:30 PM	Measuring Water Energy Savings via Loss from AMI Piggybacking Technology - Christine Boyle, Valor Water Analytics	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 PM - 3:15 PM	Break		
Exhibit Hall Closes at 3:30 PM	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 PM - 4:15 PM	New York City - Bill Richardson San Antonio Water System - Patrick Schriver Los Angeles Dept of Water & Power - Sofia Marcus Aqua PA - Colleen Arnold	City of Rio Rancho, NM - Marian Wrage Water & Wastewater Authority of Wilson County, TN - Chris Leauber Consolidated Utility District, TN - Alan Steumke City of Asheville, NC - Brandon Buckner	City of Dallas, Georgia - Amber Whisner Trabuco Canyon Water District, CA - Lorrie Lausten City of Benicia, CA - Scott Rovanner Duarte, CA - David Hughes, American Water
4:15 PM - 4:45 PM	Closing Session / Conference Wrap Up/ Next Steps for Water Loss Control (Session 37) - Dockside Room		

