



North American Water Loss 2015

December 8-9, 2015 / GA International Convention Center



Tuesday, December 8
7:30 - 8:30 Registration Opens with Continental Breakfast Items

Ballroom
Opening Session & Welcome

8:30 - 10:00
The Issue of Water Loss Control & Introduction of the North American Water Loss Conference
Conference Opening Address: Managing Our Water Challenges
Becki Clark, Deputy Director, Office of Groundwater and Drinking Water, US Environmental Protection Agency
State of the States-Evolving Water Loss Policy in the United States
Will Jernigan, Cavanaugh

10:00 - 12:00 Exhibit Hall Opens for Networking, with Coffee Break from 10:00 - 10:30 AM

Exhibit Hall Open During Presentations	Session 1 <i>Meeting Room #1</i> Current Status of Water Loss Regulatory Structures in North America	Session 2 <i>Meeting Room #2</i> Implementing an Effective Leakage Management Program	Session 3 <i>Meeting Room #3</i> Learning Module #1
10:30	The Georgia Water Stewardship Act and Implementation - James Capp, Georgia EPD	Taking the Pressure off Your Water Losses - Russell Titus, New Jersey American Water Company	Shining the Light on the Water Audit Compilation & Data Validation Andrew Chastain-Howley, Black & Veatch Brian Skeens, CH2M
10:53	Water Audit Data Collection in the Delaware River Basin - David Sayers, Black & Veatch	Leak Detection Using Field Sensing Units - Joseph Rambaldi and David Annarumo, Pennsylvania American Water Company	
11:15	Development of a State-wide Water Loss Control Initiative: the Wisconsin Experience - Denise Schmidt, Public Service Commission of Wisconsin	How is your Critical Pipes Doing? Permanent Transmission Main Monitoring - Alain Lalonde, Lou Rosetti, Mike Stadnyckyj, Echologics	
11:37	Water Loss Requirements in the Province of Quebec - Mathieu Laneuville, Ministry of Municipal Affairs, Quebec, CA	Effective tools for Reducing NRW within a major water utility: EPAL Portugal case - Andrew Donnelly EPAL, SA	

12:00 - 1:30
Keynote Luncheon (Ballroom)
Keynote Address by Sue Mosburg, Program Manager, Sweetwater Authority, California & Chair of CA-NV Section of AWWA Statewide Water Loss Collaborative
Steve Cavanaugh, Cavanaugh

Exhibit Hall Open During Presentations	Session 4 <i>Meeting Room #1</i> Developing and Implementing Water Audits as the Foundation of the Water Loss Control Program	Session 5 <i>Meeting Room #2</i> Effective Leakage Management Technologies	Session 6 <i>Meeting Room #3</i> Learning Module #2
01:30	Innovative Financing Approach for Water Audit Training, Technical Assistance and Data Validation - Jason Bodwell, Georgia Environmental Finance Authority	Using DMAs and Pressure Management to Reduce Water Loss: Halifax Water's 15-year Journey - Reid Campbell, Halifax Water	How Much Water did we Actually Supply? Revealing the Secrets of Production Metering & Supply Data Management George Kunkel, Kunkel Water Efficiency Consulting John Van Arsdel, M.E. Simpson Company
01:53	California Water Loss Audits, Training and Lessons Learned - Luke Sires, California Urban Water Conservation Council	Exploring the Water Research Foundation's Water Loss Component Analysis Model - Reinhard Sturm, Water Systems Optimization	
02:15	The Macon Water Authority Comprehensive Water Loss Control Program - Tony Rojas, Macon Water Authority	Leakage Control in Small Systems and Pressure Zones - David Hughes, American Water	
02:37	Strategic Conservation: The City of Asheville's Comprehensive NRW Program - Tony Wagoner, Cavanaugh Ivan Thomas, City of Asheville, NC	New Leakage Control Technologies from Around the World - Stuart Hamilton, JD7 Ltd.	

Tuesday, December 8

Exhibit Hall Open During Presentations	Session 7 <i>Meeting Room #1</i> Best Practice Methods and Tools for Accurate Water Audit Data Collection and Validation	Session 8 <i>Meeting Room #2</i> Perspective and Techniques for Leakage Management	Session 9 <i>Meeting Room #3</i> Technical Developments in Customer Metering and Advanced Metering Infrastructure (AMI)
03:00	Water Auditing in North America: History and Evolution of the AWWA Standard Method - Andrew Chastain-Howley, Black and Veatch	Improved Leakage Management by European Water Utilities to Safeguard Europe's Water Resources - Cor Merks, Witteveen Bos, the Netherlands	Introducing AWWA's New M22 Manual: Sizing of Water Service Lines and Meters - Peter Mayer, Water Demand Management
03:23	Highlights of AWWA's New 4th Edition M36 Guidance Manual on Water Loss Control - George Kunkel, Kunkel Water Efficiency Consulting	Tracking Failure Analysis to Increase Water Leak Detection Program Efficiency - Scott Wicklund, Black and Veatch	Water Meters are Assets, Too - Steve Davis, Metering Technology Consultants
03:45	A Review of the AWWA Free Water Audit Software and Compiler Tool - David Sayers, Black & Veatch	Comprehensive Water Loss Control Program in Nashville, TN - Kevin Burgers, Water Systems Optimization	Are You Leaking Data? Finding Revenue in Non-revenue Water Management - Jason Bethke, FATHOM
04:07	Benchmarking Water Loss Performance: The Death of Unaccounted-for Water and the Zero Sum Indicator - Will Jernigan, Cavanaugh	Helium Leak Detection - Revolutionizing Leak Detection - Paul Meschino, Utility Service Company	Characterizing Performance Issues in Advanced Metering Systems - Paul Rhine, Black & Veatch
4:30 - 5:15	<i>Ballroom</i> Water Loss Impacts and Opportunities: A Panel Discussion Panelists: Mary Ann Dickinson, Alliance for Water Efficiency Reid Campbell, Halifax Water James Capp, Georgia DNR - EPD Ed Osann, Natural Resources Defense Council		
5:15 - 6:00	Meet & Greet Networking Social in Exhibit Hall		
6:00 - 8:00	Evening Dinner Event w/ Entertainment & Networking		

North American Water Loss 2015



Wednesday, December 9

7:30 - 8:30	Registration & Exhibit Hall Opens with Continental Type Breakfast Items
7:00 - 8:15	Joint Meeting of the AWWA Water Loss Control Committee and Georgia Water Loss Control Committee

Exhibit Hall Open During Presentations	Session 10 <i>Meeting Room #1</i> Business Case Development and Considerations for Non-revenue Water Management	Session 11 <i>Meeting Room #2</i> Implementing District Metered Areas and Pressure Management: Enhanced Asset Management as Well as Effective Water Loss Control	Session 12 <i>Meeting Room #3</i> Learning Module #3
08:30	How to Communicate with Your Board or Management About Water Loss - Danielle Gallet, Metropolitan Planning Council (Chicago)	Pressure Management Successes Across the World - Julian Thornton, Thornton International	Customer Meter Management for Effective Revenue Protection Craig Hannah, Johnson Controls Dan Hood, M.E. Simpson Company
08:53	Applying New Guidance for Strategic Management of Non-revenue Water - Gary Trachtman, ARCADIS	Is There Any Relief? A Case Study in Pressure Optimization - Tory Wagoner, Cavanaugh	
09:15	Findings from California's Water-Energy Programs - Kate Gasner, Water System Optimization	DMAs for Capturing Real Losses When Permanent Isolation is Not Possible - Ray Sloan, Birmingham Water Works Board	
09:37	Outsourcing of Water Loss Reduction: International Examples and Recommendations - Roland Liemberger, Miya	Autonomous Hydraulic Network Control for Leakage Management and Asset Sustainability - Craig Stanners, IVL Flow Control, Ltd.	

Wednesday, December 9

10:00 - 10:30 Exhibit Hall Open for Networking & Coffee Break

Exhibit Hall Open During Presentations	Session 13 <i>Meeting Room #1</i> Water Loss Regulatory Perspectives and Requirements	Session 14 <i>Meeting Room #2</i> Enhanced Leakage Management using DMAs, Flow Measurement and Data Analytics	Session 15 <i>Meeting Room #3</i> Learning Module #4
10:30	Water Audit Data Collection and Tracking in the State of Tennessee - Joyce Welborn, Tennessee Comptroller of the Treasury	Non-revenue Water Recovery and Control Utilizing DMA Management - Simon Wick, Matchpoint Water Asset Management	Expert Guidance on Automatic Meter Reading (AMR) & Advanced Metering Infrastructure (AMI) Don Schlenger, Don Schlenger & Associates David Hughes, American Water
10:53	Water Loss Practices and Challenges Among Lake Michigan Permittees in Illinois - Timothy Loftus, Texas State University	Design & Implementation of Pilot DMAs by the City of Sacramento - Julie Friedman, City of Sacramento & Ashley Orsaba-Finders, WSP Parsons Brinckerhoff	
11:15	Update of EPA Region 4's Water Efficiency Guidelines - Rosemary Hall, US EPA Region 4	Water and Wastewater Authority of Wilson Co., TN Maintains Technical ILI Minimum Chris Leauber, Water and Wastewater Authority of Wilson Co., TN	
11:37	Meeting the Challenges of Water Loss Audits, Reporting Requirements and Thresholds in Texas - John Sutton, Texas Water Development Board	Dynamic Sectorization: An Innovative Approach to Active Water Loss Control - Paul Meschino, Utility Service Company	

12:00 - 1:30 Luncheon (Ballroom)
Speakers: Linda MacGregor, Georgia Environmental Finance Authority and Jim Gebhardt, USEPA

Exhibit Hall Closes at 3:00	Session 16 <i>Meeting Room #1</i> Assessing Customer Metering Operations	Session 17 <i>Meeting Room #2</i> From Policy to Water Auditing to Controlling Losses: the Water Efficiency Continuum	Session 18 <i>Meeting Room #3</i> Learning Module #5
01:30	Rigorous Meter Performance Analysis in Austin, TX - Dan Strub, Austin Water	South by Southeast: Policy Drivers for Water Loss Regulations in Georgia - Ben Emanuel, American Rivers	Applying Advanced Leakage Control and Pressure Management Reinhard Sturm, Water Systems Optimization Reid Campbell, Halifax Water Julian Thornton, Thornton International
01:53	NYC's Large Meter Replacement Program: Improving Revenues and Lowering Costs - Kenneth Molli, Veolia North America	Taking Average to Optimized in San Antonio, TX Patrick Shriver, San Antonio Water System	
02:15	Economic Optimization of Asheville's Large Meter Testing Program - Will Jernigan, Cavanaugh & Brandon Buckner, City of Asheville, NC Water Resources	Making Water Loss Count - Sarah Doherty, City of Olathe, KS	
02:37	Using Land Use and Historic Billing in Mitigating Apparent Water Losses - Robert Sills, Nelsnick Enterprises, Inc.	Non-revenue Water Component Analysis Defines Water Loss Control Strategies - Elio Arniella, Smart Water Analytics, LLC	

Exhibit Hall Closed	Session 19 <i>Meeting Room #1</i> Large System Water Utility "Quick-Hitter" Case Studies	Session 20 <i>Meeting Room #2</i> Small & Medium Water Utility "Quick-Hitter" Case Studies	
3:00 - 4:00	<u>Large Systems</u> John Eisnor, Halifax Water Dan Strub, Austin Water Julie Friedman, City of Sacramento CA Dept. of Utilities Ray Sloan, Birmingham Water Works Board	<u>Medium & Small Systems</u> Wil Cowart, Macon Water Authority Amber Whisner City of Dallas, GA Seth Fischer, Cannon and Cannon, for Harriman Utility Board, TN Chris Leauber, Water & Wastewater Authority of Wilson County, TN	

4:00 - 4:30 Closing Session / Conference Wrap Up (Ballroom)

