



# Water Infrastructure Conference

## A National Conversation in Flint

March 7-9, 2017 | Riverfront Banquet Center, 1 Riverfront Center West, Flint, MI 48502

Time	Agenda – Day 1 (March 7, 2017)
9 – 11 a.m.	EXHIBITOR MOVE-IN
10:30 – 11:30 a.m.	REGISTRATION
11 a.m.	VISIT EXHIBITORS
11:45 a.m.	<b>LUNCH</b> Opening Remarks – <i>Rich Baird (moderator)</i> Welcome – <i>Flint Mayor Karen Weaver</i> Keynote Address – <i>Governor Rick Snyder</i>
1:45 p.m.	BREAK (visit exhibitors)
2:15 p.m.	<b>“Flint Drinking Water Infrastructure and Response Actions”</b> <i>Keith Creagh, Director, Michigan Department of Natural Resources</i> <i>Robert A. Kaplan, Acting Regional Administrator, U.S. EPA Region 5</i>
2:45 p.m.	<b>“A Discussion of the Considerations in Implementation of Flint’s Lead Service Line Replacement Program”</b> <i>Brig. Gen. (ret.) Michael C. McDaniel, Director, FAST Start Program, City of Flint</i>
3:15 p.m.	<b>“Effective Utility Management: the Next Step Toward Michigan’s Sustainable Water Infrastructure”</b> <i>David LaFrance, CEO, American Water Works Association (AWWA)</i>
3:45 p.m.	<b>“Detroit Water and Sewerage Department’s Service Line Replacement Program and Response Activities Associated with the Lead and Copper Rule Requirements”</b> <i>Gary Brown, Director, Detroit Water and Sewerage Department</i>
4:15 p.m.	WRAP UP – <i>Rich Baird (moderator)</i>

Time	Agenda – Day 2 (March 8, 2017)			
7:30 a.m.	REGISTRATION AND CONTINENTAL BREAKFAST			
8:30 a.m.	WELCOME AND INTRODUCTION			
8:45 a.m.	KEYNOTE ADDRESS <i>George Hawkins, CEO &amp; General Manager, District of Columbia Water and Sewer Authority (DC Water)</i>			
9:30 a.m.	BREAK			
	System Design & Operations (Expo Center)	Tech and Innovation (Suite A)	Non-Revenue Water / Data and Analytics (Suites D & E)	Community Engagement/ (Boardrooms A-C)
9:45 a.m.	“Affordably Replacing Water Mains, Lead Lines and Meters Utilizing ‘Pay for Success’” <i>Dana Bryan Hoffer, RePipe4710, Inc. Michael Giampetroni, GEM II Partners</i>	“A Straightforward Approach to Distribution System Flushing for Better Water Quality” <i>Dave Baar, P.E., Fishbeck, Thompson, Carr &amp; Huber, Inc.</i>	“Industry Drivers for Water Loss Management” <i>Steve Cavanaugh, P.E., Cavanaugh and Associates</i>	“Securing an Equitable Water Future For All” <i>Zoë Roller, US Water Alliance</i>
10:15 a.m.	“Rehabilitation of Water Mains” <i>Dave Purkiss, NSF International</i>	“Plastics in Water Infrastructure Repair and New Construction, Thinking Forward” <i>Andrew J. Whelton, Purdue University</i>	“Introduction to the AWWA M36 Foundations for Water Auditing & Loss Control” <i>Steve Cavanaugh, P.E., Cavanaugh and Associates</i>	“People + Pipes + Policy: Driving Water Innovation Through Engagement” <i>Erik Hromadka, Global Water Technologies</i>
10:45 a.m.	BREAK			
11:05 a.m.	“Creating Resilient Utility Systems” <i>Holly Kremers, P.E. and Jason Kenyon, P.E., Wade Trim, Inc.</i>	“Replacing Entire Water Distribution Mains with Trenchless Solutions for 20-30% Savings” <i>Dana Bryan Hoffer, RePipe4710, Inc. Arthine Cossey van Duyn, WaterFunder LLC</i>	“Water Loss Control Case Studies Part 1: Highland Park” <i>Damon L. Garrett, P.E., Metro Consulting Associates</i>	“St. Louis Water Supply Replacement Community Engagement” <i>John Willemin, Fishbeck, Thompson, Carr &amp; Huber, Inc.</i>
11:35 a.m.	“Integrating Sewer Infrastructure Management and Vacant Land Management in Legacy Cities” <i>Mary Beth Graebert, MSU Land Policy Institute Mohamed El-Gafy, MSU School of Planning Design &amp; Construction</i>	“HDPE Pipe Bursting – Less Intrusive Rehab, Less Trench, Less Time, More Miles, Fewer \$” <i>Will LeBlanc, Hammerhead Trenchless</i>	“Water Loss Control Case Studies Part 2: Asheville, NC; Olathe, KS” <i>Steve Cavanaugh, P.E., Cavanaugh and Associates</i>	“The Fix MIState Campaign: Raising Awareness of Michigan’s Unmet Infrastructure Needs” <i>Lance Binoniemi, Michigan Infrastructure &amp; Transportation Association Roger Martin, Martin Waymire</i>

For more information, visit: [www.michigan.gov/deqevents](http://www.michigan.gov/deqevents)

DAY 2

Updated: 2/2/2017

Time	Agenda – Day 2 (March 8, 2017) <i>continued</i>			
12:05 p.m.	LUNCH (Expo Center)			
1:15 p.m.	Panel Discussion: “Asset Management – How it Affects the Community residents and leaders, the water treatment facility, capital planning and best practices.” <ul style="list-style-type: none"> <li>• Bob Schneider, MDEQ (moderator)</li> <li>• Luke Dehtiar, MDEQ</li> <li>• Mike Engels, Michigan Rural Water Association</li> <li>• Tom Traciak, H.J. Umbaugh &amp; Associates</li> <li>• Randy Roost, Lansing Board of Water and Light</li> <li>• Brian Vilmont, Prein and Newhoff</li> </ul>			
2:30 p.m.	BREAK			
	System Design & Operations (Expo Center)	Tech and Innovation (Suite A)	Non-Revenue Water / Data and Analytics (Suites D & E)	Community Engagement/ PE Pipe (Boardrooms A-C)
2:45 p.m.	“Self Cleaning Networks: An Innovative Concept Leading to 30% Cheaper and Better Networks without Water Quality Problems” <i>Jan Vreeburg, Ph.D., KWR Watercycle Research Institute</i>	“Non-disruptive Renovation of Flint Water Pipes – Economic, Social and Environmental Cost Analysis” <i>Mark Knight, Ph.D., University of Waterloo</i>	“Utility Decision Making: The GIS-centric Approach to Visualizing Asset Level Cost Data” <i>Gregory M. Baird, Water Finance Research Foundation</i>	“Best Bets for Preventing and Responding to Childhood Lead Poisoning” <i>Rebecca Morley, The Pew Charitable Trusts</i>
3:15 p.m.	“Applying New Concepts from Research: Self Cleaning Networks and Their Performance” <i>Loet Rosenthal, MSc, PWN Water Company North-Holland</i>	“Scalable Water Purification System through Direct Plasma Treatment” <i>Tejasvi Chunduri, Somnio Global</i>	“Hydraulic Modeling and Real-Time SCADA Data Analytics for Addressing Infrastructure Challenges” <i>Regan Murray, U.S. EPA, Office of Research and Development</i>	“PE Pipe: The Responsible Infrastructure Solution” <i>Peter Dyke, PE Alliance Dusty Langston, WL Plastics</i>
3:45 p.m.	“Ontarios Municipal Drinking Water Licensing Program” <i>Aziz S. Ahmed, P.Eng., Ontario Ministry of Environment and Climate Change</i>	“Looking Ahead: Innovation for Next Generation Water Industry” <i>Mahesh Lunani, AQUASIGHT</i>	“Is Flint’s Contamination Only About Infrastructure? A Systems and Causal Loop Examination” <i>Alexandra Vecchio and Rebecca Lehman, Yale School of Forestry and Environmental Studies</i>	
4:15 – 6 p.m.	RECEPTION			

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DAY 2

Updated: 2/22/2017

Time	Agenda – Day 3 (March 9, 2017)			
8 a.m.	BREAKFAST			
8:30 a.m.	WELCOME AND REMARKS			
8:40 a.m.	<b>Environmental Justice: Ensuring a Strong and Just Foundation</b> <ul style="list-style-type: none"> <li>• Pamela Pugh, DrPH, MS, City of Flint (moderator)</li> <li>• Dr. Beverly Wright, Director, Deep South Center for Environmental Justice (DSCEJ)</li> <li>• Jacqueline Patterson, Director, NAACP Environmental and Climate Justice Program</li> <li>• Dr. Robert D. Bullard</li> </ul>			
9:50 a.m.	BREAK			
	Water Quality and Public Health (Expo Center)	Data, Analytics, and Innovation (Suite A)	System Design & Operation (Suites D & E)	Workshops (Boardrooms A-C)
10 a.m.	<b>“Economic and Environmental Sustainability and Water Quality Safety in Underground Water Pipes”</b> <i>Gregory M. Baird, Water Finance Research Foundation</i>	<b>“Cognitive Watercare: A Safer, Cleaner and More Efficient World”</b> <i>Michael Sullivan, IBM Water &amp; Environment</i> <i>Liang Downey, IBM New Energy &amp; Environment</i>	<b>“Michigan Local Officials’ Perceptions of Drinking Water Infrastructure Challenges”</b> <i>Debra Horner, University of Michigan Center for Local, State, and Urban Policy (CLOSUP)</i>	
10:30 a.m.	<b>“Helping Consumers and Public Health Officials Choose the Correct POU or POE Filter”</b> <i>Brandon Rudolph, NSF International</i>	<b>“Successful Journey from Situational Intelligence to Predictive Maintenance with ‘Smart Water Analytics’”</b> <i>Sachin Dalal and Sidney Edmonds, Accenture</i>	<b>“Collaboration of Assets and Operation for Drinking Water Sustainability and Cost Reduction”</b> <i>Vicki M. Putala, P.E. and Erin Quetell, MPA, OHM Advisors</i>	<b>“Workshop: Modeling Complex System Interactions in the Flint Water Crisis”</b> <i>Alexandra Vecchio and Rebecca Lehman, Yale School of Forestry and Environmental Studies</i>
11 a.m.	<b>“Prevention of Disease and Injury Associated with Building Water Systems”</b> <i>Dann Holmes and Allison Yee, NSF International</i>	<b>“Intelligent Water and Organizational Culture”</b> <i>Terry Biederman, Johnson &amp; Anderson, Inc.</i>	<b>“Municipal HDPE Adoption – A Case Review”</b> <i>Peter Dyke, PE Alliance</i>	
11:30 a.m.	<b>“Improving Water Quality by Identifying and Eliminating Hazardous Dead-Ends”</b> <i>Wayne Pratt, Wachs Water Services</i>	<b>“Re-think Stormwater Management with the Energy-Passive Groundwater Recharge Product (EGRP®)”</b> <i>Joe Kramer, Parjana Distribution</i>	<b>“Invest to Save”</b> <i>Mark Knight, Ph.D., University of Waterloo</i>	<b>“Water Information System Demonstration: Enhancing Access to Data Resources and Decision Support Tools to Address Infrastructure Needs in the 21st Century”</b> <i>Michael R. Thomas, Ph.D., MSU School of Planning Design, and Construction Research</i> <i>Jeremiah Asher, MSU Institute of Water Research</i>

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DAY 3

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