


Thank you to our 2017 Conference Platinum Sponsors!		Sunday, September 10, 2017		Monday, September 11, 2017									
	REGISTRATION 12:00 PM - 5:00 PM Location:	REGISTRATION 7:00 AM to 5:00 PM Location:										7:00	
	<p>GOLF TOURNAMENT 9:00 AM - Registration & Breakfast 10:00 AM to 3:30 Course</p> <p>5K Run/Walk Start: 2:00 PM Meet at _____</p> <p>EXHIBIT HALL SETUP "EXHIBITOR'S ONLY" 11:00 AM - 5:00 PM Location: _____</p>	<p>OPENING SESSION 8:00 to 9:30 AM Location</p>										8:00	
		<p>NETWORKING BREAK Exhibit Hall Location</p>										8:30	
		Room	Room Moderator: Barb Martin	Room Moderator: Kevin Feeley	Room Moderator: Angela Goodman	Room Moderator: Sarah Reeves	Exhibit Hall Moderator: Nicole Poncelet-Johnson	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 11:30 AM				Room	
		Session	Session 1: Smart Cities	Session 2: Wastewater Treatment Hot Topics	Session 3: Pipeline Assessments	Session 4: Biogas and Energy	Session 5: Potable Water Disinfection	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 11:30 AM				Session	
	10:00	From Data to Wisdom - the Smart Utility Approach; Alan Ridgeway	What Wastewater Treaters Need to Know about Antibiotic Resistance; Tanja Rauch-Williams	The Use of Innovative Inspection Technologies to Assess and Prioritize Rehabilitation for Water Pipeline Infrastructure; Mark G. Wade	A Tale of Two Utilities: "Finding the Best Use for Biogas" Tyler Dougherty	Assessing Population- Weighted Risk Reduction Implications for Centralized vs. Distribution System-based DBP Control Strategies; John Meyer	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 11:30 AM				10:00		
	10:30	Developing an Integrated Water System for a New Smart City in Kenya, Africa; José Velazquez	Degradation of PE & PHB Microbeads in Aerobic & Anaerobic Biological Wastewater Treatment; Teigan Gulliver	Transient technology for non-invasive pipe condition assessment; Shane Majetch	Conversion of WWTP Digester Gas into Compressed Natural Gas Vehicle Fuel; Paul Stout	Active Control of THM Levels in Drinking Water; Ethan Brooke	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 11:30 AM				10:30		
	11:00	Using Advanced Metering Infrastructure (AMI) Data to Engage Customers in Water Efficiency Programs; Abbye Neel	Mainstream Anaerobic Treatment for Carbon Redirection at Water Resource Recovery Facilities; Linda Figueroa	A Better Crystal Ball: Predicting Your Next Main Break: Developing an Effective Renewal Strategy Using Existing Information; Wilson Wheeler and Jamie Eichenberger	Renewable Identification Numbers (RIN) History, Evolution, Value, and Uncertainties Looking Forward; Dru Whitlock	Automated Disinfectant Residual Control; Robin Giguere	EXHIBIT HALL SETUP "EXHIBITORS ONLY" 7:00 AM to 11:30 AM				11:00		
	11:30	RMSAWWA BUSINESS LUNCHEON & AWARDS 11:30 AM to 1:00 PM Location								Exhibit Hall Open 11:30 to 6:30		11:30	
	12:00	NO TECHNICAL SESSIONS --- EXHIBIT HALL OPEN Pinning Ceremony - Colorado Professional Operators 1:00 PM to 1:30 PM Location								Light Lunch in Exhibit Hall 12:00 PM to 1:00 PM		12:00	
	1:00											1:00	
	1:30	WATER TASTE TEST Exhibit Hall 1:30 PM to 3:00 PM Location										1:30	
	2:00											2:00	
	Room	Room Moderator:	Room Moderator:	Room Moderator:	Room Moderator: Tanja Rauch-Williams	Room Moderator: Mike Berry	Room Moderator: Angela Goodman	Room Moderator: Richard Gerstberger	Exhibit Hall A Moderator:	Exhibit Hall B Moderator:	Room		
	Session	Session 6: Rates	Session 7: Filtration	Session 8: Regulations	Session 9: Special Session - innovative Wastewater Treatment	Session 10: Water Distribution Technology	Session 11: Utility Management	Session 12: Special Session - Supervisory Leadership Program	Session 13: Special Session - Lead and Copper	Special Exhibitor Session 1: Wastewater Technology	Session		
2:30	Regulated Water Conservation Planning: Comparing Formal & Informal Processes; Jonathan Kleinman	Expanding Our Options: Testing Expanded Clay Media as an Alternative to Anthracite and Sand in Deep Bed Filters; Jennifer Gelmini	What we are Learning from Regulation 85 Stream Data, Sybil Shanville, JoAnn Silverstein	Application of Well- dispersed Imogolite Nanotubes Polyamide Nanocomposite Membrane in Desalination Processes; Ming Li	Using Ozone Gas to Disinfect Water Mains - Innovative Study Progresses from Pilot to Full-Scale Design; Jillian Vandegrift, Chris Schulz	Streamlining Performance Measurement and Progress with Effective Utility Management in Albuquerque, NM; Frank Roth	Managing Organizational Change Jason Warwick, Chris Sierra Denver Water	Partnership for Safe Water Approach to Corrosion Control, Barb Martin, Kevin Lander	Innovative Process Combining Equalization and Biological Treatment Simultaneously; Susan Pilgrim	2:30			
3:00	Communicating a Rate Increase: A Case Study; Steve Frank, Dave Lewis	An Investigation of the Benefits of Filter Media Retaining Backwash Troughs; Hilary Feier	The Nutrient Horizon - Revisions to Regulation 85; Sarah Reeves	Electro-Distillation with Brine Bulb Technology: An Emerging Technology to Treat High TDS, Aggressive Wastewater Eric Dole	Using Ozone Gas to Disinfect Water Mains - Innovative Study Progresses from Pilot to Full-Scale Design; Jillian Vandegrift, Chris Schulz	Streamlining Performance Measurement and Progress with Effective Utility Management in Albuquerque, NM; Frank Roth	Managing Organizational Change Jason Warwick, Chris Sierra Denver Water	Partnership for Safe Water Approach to Corrosion Control, Barb Martin, Kevin Lander	Innovative Process Combining Equalization and Biological Treatment Simultaneously; Susan Pilgrim	3:00			
3:30	Replacing Lifeline Rates with Direct Customer Assistance Program to Improve Revenue Stability; Becky Doyle, Andrew Rheem	Direct Module Retrofits: Operating History of Five Low Pressure Membrane Plants; Joe Tardio	Understanding Discharger Specific Variances - Temporary Water Quality Standards and the WWTF; Mark Henderson	Using Microbial Profiling in Biological Process Design; Lauren Lundquist	Coffax Avenue and Lansing Street Storm Sewer Improvements Project; Andrea Long, Ethan Ford	WISE Partnership Regional Cooperation in Colorado on Water Supply and Infrastructure;	Breaking the cycle of, "We've always done it this way"; Adam Bates, Larry Burdette	Denver Water's Lead Reduction Program - Customer Outreach, Alexis Woodrow	Remote control MBR: How a wastewater treatment plant in Poland can help the Rocky Mountains region meet the challenges of the future; Nicholas Gurieff	3:30			
4:00	The Business Case for Advanced Meter Infrastructure & District Meter Areas; Dan Merchant	Strategic Separation of Polyvalent Cations Using Nanofiltration Membranes; Savannah Bachman	Updating Facility Classification Tables in Reg 100 - How Your Facility, Distribution, or Collection System May Be Impacted; Tysen Ingels, David Kurz	Improving Sludge Treatment Process by Advanced Polymer Preparation Yong Kim	Pipe Bursting; Dustin Langston	Joe Stibrich, Lisa Darling, and Rick Marsicek	Creating an Effective Workforce Development Program, Richard Gerstberger	Denver Water's Lead Reduction Program - Optimal Corrosion Control Treatment, Ryan Walsh	From Aging to Innovative: Key Lessons Learned with the Upgrade to a New UV System; Wayne Lem, Tim Proctor, Bill Gordon	4:00			
4:30 - beyond	TOILET BOWL TRIVIA CONTEST Happy Hour and Hors D'oeuvres 4:30 to 6:30 PM Location										4:30 - beyond		
MEET AND GREET RECEPTION 5:00 to 7:00 PM Location		EXHIBIT HALL OPEN 11:30 AM to 6:30 PM Location											

2017 RMSAWWA / RMWEA Joint Annual Conference: September 10-13

Tuesday, September 12, 2017

7:30	REGISTRATION 7:30 AM - 5:00 PM Location: _____								
Room	Room Moderator: Kelly Loyd	Room Moderator:	Room Moderator: Jose Velasquez	Room Moderator: Will Rantz	Room Moderator: Becky Luna	Room Moderator: Richard McApine, MWRO and Chuck Guilmette, City of Northglenn	Exhibit Hall Moderator:		
Session	Session 14: Human Resources	Session 15: Taste and Odor	Session 16: Biosolids Dewatering	Session 17: Pretreatment	Session 18: Biogas Utilization	Session 19: Special Session - Laboratory Practices	Session 20: Construction and Delivery Methods		
8:30	Motivating and Inspiring the Future of the Water Industry: Ann Santos Walsh	Management Options for Harmful Algal Blooms: Steve Green	THK Technology Innovation for the Purpose of Biosolids Sludge Thickening: Jerod Swanson	The Dental Amalgam Rule – Overview and Implementation: Chuck Durham, Jennifer Ferrando	How Being Green Can Save You Some Green: Do You Inventory Your Greenhouse Gas Emissions? Tori Frank	Managing Today's Environmental Lab: Kevin Feeley	Project Delivery Methods in the Water & Wastewater Industry: Challenges & Opportunities: Sam Ariaratnam, Mounir El Asmar		
9:00	Managing Utilities Culture by Measuring Workforce Values: Jim Spaulding and Michelle Finchum	Pretreatment Chemicals Pay Dividends Downstream: Investigating Membrane Fouling & T&O Removal at the Wes Brown WTP: Liz Lackey, Wil Sarchet	Recuperative Thickening: An Effective Approach to Increase Digester Capacity: David Oerke	Overview of Pretreatment Standards: Chuck Durham, Jennifer Ferrando	Utilizing Biogas & Stranded Assets to Save Millions: Springs Utilities' Evaluation of resource recovery: Lisa Barbato, Rahul Subramanian, Bob Lonergan	A Case Study at Big Dry Creek Wastewater Treatment Facility: Matt Tafoya	Applying Water Design-Build Best Practices to PS Delivery: Mark Alpert, Leofwin Clark		
9:30	The Benefits of Internships: Aaron Benko	Divide and Conquer: Thornton's Taste and Odor Control Strategy: Nicole Poncelet, Hseuh Shih, Liz Lackey	Reducing Dewatering Costs Through an Optimization Program: Steve Walker	Regulation of Non-Categorical Significant Industrial Users: Chuck Durham, Jennifer Ferrando	Barriers to Widespread Implementation of Anaerobic Digestion and Co-generation at WWTPs in Colorado: Andrew Pfluger	Create a Lab Safety Report Card for Your Lab: Blair Corning	Construction Team Synergy - What??: Eric Gilmore and Matt Duncan		
10:00	NETWORKING BREAK Exhibit Hall Location: _____								
10:30	Committee Meeting Location: _____	Committee Meeting Location: _____	Committee Meeting Location: _____	Committee Meeting Location: _____	Committee Meeting Location: _____	Committee Meeting Location: _____	Committee Meeting Location: _____	PWO Committee EXHIBIT HALL OPEN 10:00 AM to 5:30 PM	
11:00	RMWEA Industrial Wastewater Committee	RMWEA Lab Practices	RMWEA Public Education	Joint Young Professionals	Joint Security & Emergency Preparedness Committee	Supervisory Leadership Certificate Program Committee	RMWEA Innovative Wastewater Technology	RMWEA Collections System Committee	
11:30	RMWEA BUSINESS LUNCHEON & AWARDS 11:30 AM to 1:00 PM Location								
12:00	Light Lunch in Exhibit Hall 12:00 PM to 1:00 PM Exhibit Hall - Location								
Room	Room Moderator: Steve Walker	Room Moderator:	Room Moderator: Kelly Loyd	Exhibit Hall A Moderator: Jamie Eichenberger	Exhibit Hall B Moderator:	Room Moderator:	Room Moderator:		
Session	Session 21: Management Potpourri	Session 22: Efficient Operations & Asset Management	Session 23: Contaminants of Emerging Concern	Session 24: Planning Potpourri	Session 25: Biological Nutrient Removal	Special Exhibitor Session 2: Water Technology			
1:00	A Smart Approach to Smart Controllers: Plan, Do, Check, Act: Jonathan Kleinman, Meghan Bock	How to Make SRT Control a Practical Tool for Operators: Coenraad Pretorius	Perfluorinated Compounds (PFCA) Treatment with Ion Exchange: A Pilot Study: Mario DiPasquale, Brandon Bernard, Steph Schwenke	Setting the New Standard for Strategic Stormwater Compliance: Rapid, High-Resolution Watershed Master Planning: Chad Helmle	How Activated is Your Sludge? Ron Schuyler	Lead Service Connection Rehabilitation Using a Forced Air Vortex: Michael Middleton	Room Unavailable	Room Unavailable	
1:30	Major Flood Damage: Not Just an Environmental Challenge: Sarah Clark	Modern Data Management for Small Water/Wastewater Utilities - A Case Study: Dr. Kapal Madireddi	Single Pass Resin for PFC Removal: Catherine Swanson and Kirk Medina	Blueprint for One Water Management: Laurie Sullivan	Optimizing Denitrification in Boulder: Process Modifications and Performance: Jeff Berlin	Reverse Osmosis Concentrate Reduction using Vibratory Shear Enhanced Process (VSEP) Technology: Neal Williams	Room Unavailable	Room Unavailable	
2:00	Pipeline Condition Assessment, The Devil is in the Details: Raw Water Main in De Solo Kansas Lisa Douglas	Cut Mixing Power to Save Money AND Improve Effluent Quality: Coenraad Pretorius	Per and Polyfluoroalkyl Substances: GAC Pilot Scale Study and an Impacted Community in Colorado: Charlie Liu	Process Optimization and Integrated Planning between WRRFs Provides a Road Map for Nutrient Removal: Bryan D. Coday	Startup & Preliminary Operating Data for the City of Louisville's new 2.54 MGD BNR WWTF: Patrick Radabaugh, Justin Elkins	Determination and characterization of organic matter to optimize potable reuse treatment: Brett Clark	Room Unavailable	Room Unavailable	
2:30	NETWORKING BREAK Exhibit Hall					Special Exhibitor Session 3: Blowers and Pumps	Laboratory Practices (continued)	Session 26: Special Session - Innovative Water Treatment	EXHIBIT HALL OPEN 10:00 AM to 5:30 PM Happy Hour 4:30 to 5:30 PM
3:00	Formation of a New Northern Colorado Regional Water Treatment Authority: Chris Harris, Chris Matkins, Mike Scheid, Laura Slavin	Implementing the ESRI Local Government Information Model for GIS and Asset Management: John M. Nolte	What is undetectable chlorine? Did this new regulation of 0.2 mg/L accomplish anything?: Tyson Ingels	A Collaborative Approach to Direct Potable Reuse Implementation in Colorado: John Rehring	Overcoming Murphy's Law: Start-up of Two Full-Scale ANITA™ Mox Sidestream Deammonification Systems: Meg Hollowed	You've chosen turbo as your Aeration Technology. Now what? Paul Schuette, Tom McCurdy	Audit is NOT a Four Letter Word! Sherry Sciaggiari	Softening in Colorado? Tackling Multiple Problems in High TDS Waters, Vincent Hart	
3:30	Breaking the Rule (Curves): Mitigating Drought Risk by Adopting Dynamic Reservoir Operations: Casey Caldwell	Converting SCADA Data to a Decision-Making Tool for Planning Well Maintenance & Assessing Rehabilitation Options: Emily Allen	DOVE - 3 years later - CDPHE's long-term project to set the record straight on water disinfection practices: Tyson Ingels	Beneficial Use Opportunities for Colorado Water Treatment Utilities: John McGee and Leah Optiz	Retrofit Design of Existing WWTF for Nutrient Removal: A Case Study: Mark Valentine, James Plumb-Starnes	Overview of Direct Drive High Speed Turbo Blower Technology-The Good, The Bad and The Ugly: Dave Parsons	Laboratory Ethics: Lisa Lucero and Natalie Love	Bleeding Edge to Leading Edge - Using a science-based approach to optimizing a process with limited US experience, Vincent Hart	
4:00	Self-Performed Lift Station Assessment and Replacement - Municipal Authority Performing the Work: Alex Tabb	Insights from the Field and Lab on Large Diameter Cast Iron Pipe Failures: Frank Blaha	CT Tracer Study Protocol for Semper WTF: Ashley Waldron and Tom Scribner	Is Energy-Neutrality a Feasible Objective for you and how have other Water Resource Recovery Facilities achieved it? Tanja Rauch-Williams	Implementing Mainstream Deammonification: A Survey of Innovation: Heather Stewart	Wastewater Pumping Systems with Integrated Intelligence: Steve Green	Full Nitrogen Analysis Using Timberline's Ammonia Analyzer: Evelyn Rhodes and Melissa Mirna	Municipal Water Treatment, Zero Liquid Discharge, Andrew Stewart	
4:30 - beyond	CONFERENCE DINNER 5:30 to 10:30 PM Location: _____								

2017 RMSAWWA / RMWEA Joint Annual Conference: September 10-13

Wednesday, September 13, 2017

Registration/Breakfasts	REGISTRATION 7:00 AM - 5:00 PM Location: _____				UTILITY COUNCIL BREAKFAST 7:00 AM Location: _____			JOINT NEW MEMBERS MEET & GREET 7:00 AM CONTINENTAL BREAKFAST Location: _____	
Room	Room Moderator: Stephanie Segler	Room Moderator:	Room Moderator:	Room Moderator: Jeff Berlin	Room Moderator:	Room Moderator: Will Rantz	Room Moderator:		Room
Session	Session 27: Collection & Distribution (I)	Session 28: Anaerobic Digestion	Session 29: Water Potpourri	Session 30: Capital Projects for Wastewater Treatment	Session 31: Information Technology	Session 32: Phosphorus and Metals Removal	Session 33: Special Session - Financing & Delivery		Session
8:30	Pilot Flow Monitoring Program Tests Meter Capabilities: J Mallore, A. Atwater, Kelly Loyd & Derek Wurst	Operational Side-Effects of Co-Digesting Organic Wastes: Becky Luna	Corrosion Control: Protecting People and Pipes: Jeffrey Jackson, John Emms	Solving the Puzzle: Realized Capital & Operational Benefits of Modeling for PM&SD: Stephanie Sansom and Heidi Bauer	Making Waves in the Utility Sector: Cloud-based Solutions: Dan Merchant and Jonathan Kleinman	Chemical Precipitation as Primary, Polishing or Backup Process for Phosphorus Removal: Dr. Jurek Patoczka	Water Infrastructure Finance and Innovation Act (WIFIA) Program: Background, Application Process, Lessons Learned, & Special Considerations for Western and Rocky Mountain States: Alejandro Escobar, EPA		8:30
9:00	Holistic Trenchless Rehabilitation for Wastewater Collection Systems: Jeff Maier	Thermal Hydrolysis Comes to CRWS - Lessons Learned & Challenges in Designing the First THP Facility in Texas: Samir Mathur	An Intensive Approach to Track & Monitor Manganese Levels Leads to Surprising Results - New Approach to Manganese Oxidation With Ozone: John Meyer	Membrane Bioreactors satisfy all the challenges of Modeling for PM&SD: Kelly Fearney					9:00
9:30	NETWORKING BREAK Exhibit Hall								9:30
10:00	When More Storms are Ideal: Performing a Multi-Event Validation for Characterizing Wet Weather Response in a Collection System: Eric Spooner	Scaling Issues Got You Down? "Medication" for the Control of Struvite and Vivianite: Dale Gabel	Balancing Performance Testing w/Operations Goals to Maximize the Information Captured During Startup/Commissioning of Springs Utilities' Bailey WTP: Bart Giles	Case Study: Town of Berthoud, CO Utilizes the CMAR and One Treatment Solution to Successfully Deliver a New Regional WWTF: John McGee and Abigail Antolovich	Increasing resiliency by leveraging SCADA systems: Kim Evezich	Considerations for Selenium Treatment: Joe Tamburini	Siting, Design, and Construction of the First Horizontal Collector Well in Colorado: Tricia Williams Matthew Reed		10:00
10:30	City of Casper, WY North Platte Sanitary Sewer Interceptor Condition Assessment & Corrosion Control Analysis: Kile Snider	Struvite Harvesting - Creating Value from Wastewater: Luke Wood	Ending of an Era - CDPHE Ceases to Require Surface Water Systems to Perform MPAs: Tyson Ingels	3 Real Advantages of Design Build Delivery for Erie's Water Treatment Plant: Michael Katalinich, Bruce Chameroy, Bart Fischer	Industrial Control System Operational Security: Lori Hayes	Manganese Based Filter Fouling During High Density Sludge Treatment of Acid Mine Drainage in CO: Leah Flint, Michael Lackey		10:30	
11:00	NO TECHNICAL SESSIONS --- EXHIBIT HALL OPEN Location: _____								11:00
11:30	Light Lunch in Exhibit Hall 12:00 PM to 1:00 PM Exhibit Hall - Location								11:30
12:00	Light Lunch in Exhibit Hall 12:00 PM to 1:00 PM Exhibit Hall - Location								12:00
Room	Room Moderator: Stephanie Segler	Room Moderator: Charles Leder	Room Moderator: Pieter Van Ry	Room Moderator:	Thank you to our 2017 Conference Gold Sponsors!				Room
Session	Session 34: Collection & Distribution (II)	Session 35: Special Session-Energy Efficiency	Session 36: Generational Disconnect	Session 37: Lagoons, Industrial Pretreatment					Session
1:00	Automated Sewer Backup Response Systems: John Bertrand	Redefining "Sustainable" Water Supply through Energy Management: Steve Jones and Jeff Hare		Ammonia Permits & Lagoons: Rocky Mountain-region WWTFs & the Options Available for Beating Limits: Will McHale					1:00
1:30	Operational Considerations Associated with Wastewater Foremain Diameter Selection: Christopher Michalos	The Five L's: How to Identify Inefficient Water Operations: Steve Jones and Mark Wilson	RMSAWWA/RMWEA Young Professionals Committee Special Session: Generational Disconnect - Bridging the Gap Between Generations in the Workplace?	Wastewater Lagoons: You have had one for a long time; maybe it is time to pay attention to it: Mike Scharp					1:30
2:00	Effect of Biofouling on Wastewater Foremain Hydraulics: Christopher Michalos	Optimizing Pumping and Equalization Storage for Economic and Operational Efficiency: Mark Wilson		Ammonia and Nutrient Removal in Lagoon Based Treatment Systems: Patrick Ely					2:00
2:30	NETWORKING BREAK Location: _____								2:30
3:00	Disturbance in the Force: our experience with R&R in Westminster's water treatment facilities: Julie Koehler	Saving Energy and Water and More: Logan, Utah, Case Study: Steve Jones		Identification of Pollutant Sources in Wastewater: Chuck Durham, Sirese Jacobson					3:00
3:30	Lessons Learned in the Planning, Design and Construction of The Carlsbad Desalination Conveyance Pipeline: Mark Bush and Molly Lovegren	Beyond the Technical: Developing an Energy Management Culture: Jeff Hare and Steve Jones		Improving the Effectiveness of Industrial Pre-Treatment Systems Using Oil Separation Processes: Douglas Brown					3:30
4:00	Hooked: A City's Success Story of Utilizing In-house Distribution System Modeling: Jason Pierce	Efficient Treatment without New Toys: Reducing Energy Intensity through O&M Practices: Layne McWilliams and Jeff Hare							4:00
4:30 - beyond	Conference Planning Committee De-Brief and Social Hour 4:30 to 5:30 PM Location: _____								