

TENTATIVE SCHEDULE • TECHNICAL SESSIONS

WEDNESDAY AFTERNOON, APRIL 11

	Legislative/Regulatory	Wastewater Collection	Biosolids	Water Distribution
1:30 - 2:00 pm	Capitol Update: 2011 Texas Legislative Session and Evolving Issues Heather Cooke <i>Austin Water Utility</i> Carol Batteron WEAT Raj Bhattarai <i>Austin Water Utility</i>	Use of the Design-Build Agreement to Finance a New Wastewater Collection System James Doersam <i>San Antonio River Authority</i>	Anaerobic Digestion of Thermally Hydrolyzed Solids Offers Multiple Benefits at the Trinity River Authority Central Regional Wastewater System WWTP Samir Mathur CDM	Beyond Basic Modeling: New Blending and Water Age Decision Support Tools at The Colony Adam Rose <i>Alan Plummer Associates</i> Sarah Seamands <i>Alan Plummer Associates</i>
2:00 - 2:30 pm	Assessing Federal Actions & Potential Impacts to Texas Water Programs & Funding – A 2012 Update Michael Meadows <i>City of Killeen</i>	A Tale of Two Cities: From “Who’s Surcharging Who” to the Benefits of Regional Cooperation Robert Stanley <i>City of Arlington</i> Larry Ledbetter <i>City of Kennedale</i> Mazen Kawasmi <i>Freese and Nichols</i>	Pipe Scaling: An Unintended Consequence of Phosphorus Removal Jeff Sober <i>Carollo Engineers</i> Toshio Shimada <i>Carollo Engineers</i>	Integration Pipeline: Water Delivery and Operational Flexibility Erika Anderson SAWS Thomas Klein SAWS
2:30 - 3:00 pm	The View from Washington Cynthia Finley <i>Director of Regulatory Affairs at National Association of Clean Water Agencies (NACWA)</i>	Preventing Streams from Becoming Sewers: How Merging GIS Aerial Review and Innovative Field Inspections Can Keep Waste out of our Waterways and Money in our Pockets Brian Battey <i>Black and Veatch</i>	Automated Polymer Feed for Biosolids Thickening and Dewatering: Show me the Data Matthew Berg CH2M HILL Fred Ramirez <i>Austin Water Utility</i> Davis Oerke CH2M HILL	Replacement of a Critical Water Supply Pipeline in a Dense Urban Landscape David Bennett <i>Freese and Nichols</i>
Networking Break in the Exhibit Hall • 3:00 - 3:30 PM				
3:30 - 4:00 pm	TCEQ Regulatory Update	Pipeline Route Development and Analysis Using mPATH™ (An Integrated GIS/Access Database Evaluation Tool) Mark Nelson <i>MWH Americas</i> Edward Barnhurst <i>MWH Americas</i> Kalonga Siamwiza <i>MWH Americas</i>	Cannibal® Comes to Texas: A Full Scale Process Demonstration: The City of Lewisville Case Study Ignacio Cadena <i>Freese and Nichols</i>	A Precise Analysis of Risk in Water Mains Jerome Iltis SAWS
4:00 - 4:30 pm	TCEQ Regulatory Update	Lift Station Rehabilitation Program for San Antonio Water System – A Map to Upgrade and Enhance an Aging Sewer Collection Pumping System Jeff Ray SAWS	A Theoretical and Practical Evaluation of Struvite Control and Recovery: Two Case Studies Enrique Vadiveloo <i>Hazen and Sawyer</i>	The Good News When Waterlines Burst – Cost-Effective Waterline Replacement David Freireich <i>City of Round Rock</i> Jeff Bell <i>City of Round Rock</i>
4:30 - 5:00 pm	Facing the Challenges of TCEQ Enforcement: New Information for Your Arsenal Sara Thornton Lloyd Gosselink	The Declaration of SSO Independence...or SSO Regulations Gone Amuck James Forbes, Jr. <i>Pipeline Analysis LLC</i>	Another Helping of Biosolids Please: Maximizing Permit Limits for Beneficial Use of Biosolids Robert Adams <i>Alan Plummer Associates</i> Clint Ellis <i>Cibolo Creek Municipal Authority</i> Robert Dabney <i>Cibolo Creek Municipal Authority</i>	Distribution System Infrastructure Design and Optimization Using Hydraulic Modeling and System Operations Data David Robinson, <i>City of Dallas Water Utilities</i> Ferdous Mahmood, <i>Malcolm Pirnie</i> Andrea Odegard-Begay, <i>Malcolm Pirnie</i> Robert Hoffman, <i>Malcolm Pirnie</i>

TENTATIVE SCHEDULE • TECHNICAL SESSIONS

WEDNESDAY AFTERNOON, APRIL 11

Water Quality	University Forum	Young Professionals	
Blending Water for SAWS: Water Chemistry and Stability Fernando Roman <i>Tetra Tech</i> Alissa Lockett SAWS Keller Drozdick <i>Tetra Tech</i>	Application of Electroactive PVK-SWNT Nanocomposite as Effective Antimicrobial Coating Material for Membrane Filter Farid Ahmed and Debora Rodrigues <i>University of Houston</i>	Attempting the Absurd: Pragmatic Water Supply and Demand Planning Adam Conner SAWS	1:30 - 2:00 pm
Benefits Realized Through Operator Acceptance of Online Water Quality Monitoring Gary Jacobson <i>CH2M HILL</i> Kimberlie Brashear <i>City of Dallas Water Utilities</i>	Effect of Water Characteristics in Granular Media Filtration of Silver Nanoparticles Ijung Kim and Desmond Lawler <i>The University of Texas at Austin</i>	Overcoming the Obstacles of Treating Lime-Softened Water with Low Pressure Membranes Katherine Bangs, <i>CDM</i> Susan Crawford, <i>CDM</i> Larry McDaniel, <i>Dallas County Park Cities Municipal Utility District</i>	2:00 - 2:30 pm
Nitrosamines – Cost Analysis in the Game of Regulatory Roulette Erik Rosenfeldt <i>Hazen and Sawyer</i> Ben Stanford <i>Hazen and Sawyer</i> Mark Bishop <i>Hazen and Sawyer</i>	Advanced Reduction Processes: A New Class of Treatment Processes Bhanu Prakash and Bill Batchelor <i>Texas A&M University</i>	Surge Tanks Design Considerations for Pipeline Protection Behnoush Yeganeh <i>AECOM</i>	2:30 - 3:00 pm
Networking Break in the Exhibit Hall • 3:00 - 3:30 PM			
Increasing Chloramine Stability and Limiting DBP Formation in a High Bromide Surface Water Phillip Pope, <i>Carollo Engineers</i> Justin Sutherland, <i>Carollo Engineers</i> Hutch Mussalam, <i>Carollo Engineers</i> Will Wilde, <i>City of San Angelo</i>	Mechanisms of Virus Control During Iron Electrocoagulation: Microfiltration of Surface Water Charan Tanneru and Shankar Chellam <i>University of Houston</i>	Bridging the Gap – A Survey of Industry Employee Program Practices Brigit Afshar <i>CH2M HILL</i> Felicia Sanford <i>CH2M HILL</i>	3:30 - 4:00 pm
Extreme Events and Water Quality Impacts – What It Means for Water Utilities Shonnie Cline <i>Water Research Foundation</i>	Explosion Hazard Assessment for Methanogenesis Following a Fuel Ethanol Release to a Pilot Aquifer System Jie Ma and Pedro Alvarez <i>Rice University</i>	Mega Water Treatment Plants are Mega Solids Producers: Affects of Transitioning from Lime Softening to Enhanced Coagulation and its Impacts to Solids Management Brandt Miller, <i>Malcolm Pirnie</i> Lisa Jowell, <i>Dallas Water Utilities</i> Chamindra Dassanayake, <i>Malcolm Pirnie</i> Ken DelRegno, <i>Dallas Water Utilities</i>	4:00 - 4:30 pm
UCMR3 – Will Texas Be a Poster Child Again Andrew Eaton <i>MWH Laboratories</i>	Improving Sediment Control on Highway Construction Sites: Reducing Turbidity of Runoff via Coagulation David Rounce, Bradley Eck, Desmond Lawler, and Michael Barrett <i>The University of Texas at Austin</i>	Prudent Construction Practices During Extreme Weather Conditions Grace Stillman <i>Jacobs Engineering Group</i> Jennifer Higby <i>CDM</i> Mike Thuss <i>Brushy Creek Regional Utility Authority</i> Natalie Williams <i>Jacobs Engineering Group</i>	4:30 - 5:00 pm

TENTATIVE SCHEDULE • TECHNICAL SESSIONS

THURSDAY MORNING, APRIL 12

	Asset Management	WW Treatment & Operations	Water Treatment & Operations	Instrumentation & Control
9:30 - 10:00 am	<p>When Bailing Wire and Duct Tape Won't Work Anymore... A Street and Utility Maintenance Program Barry Sullivan <i>City of Gainesville Texas</i> Jason Henry <i>Kimley-Horn and Associates</i></p>	<p>Leon Creek Water Recycling Center Interconnect Pipeline – Balancing Flow for the Future Marisa Vergara <i>CP&Y</i> Alissa Lockett <i>SAWS</i></p>	<p>Economic Recession – It's Time for Water Treatment Processes Optimization to Protect Equipment and Save Money Yong Wang <i>City of Houston, Public Works and Engineering Department</i></p>	<p>Fort Worth Assessment of Water System Risk Posed by Power Outages Chris Harder <i>Fort Worth Water Department</i></p>
10:00 - 10:30 am	<p>Successfully Using the Concepts of Asset Management to Prioritize Collection System Inspections and Prioritize Replacements Celine Hyer <i>Malcolm Pirnie</i> Erick Steitle <i>Dallas Water Utility</i></p>	<p>Leon Creek WRC Improvement Project: Finally Out of the Stone Ages Roberto Macias <i>SAWS</i></p>	<p>Retrofitting Your Plant With Ozone? What is Your Backup Plan? David Vallejo <i>Black and Veatch</i></p>	<p>A Simple Test Reveals a Wealth of Transformer Health William Sako <i>Gupta and Associates</i> Jennifer Cottingham <i>Dallas Water Utilities</i></p>
10:30 -11:00 am	<p>Dynamic Planning Tools: Beyond Asset Risk Prioritization John Dantoni <i>Alan Plummer Associates</i> Tim Loan <i>City of Amarillo</i> Ken Lawrence <i>HydroCognition, PLLC</i> Preston Dillard <i>Alan Plummer Associates</i></p>	<p>Start up of the Bull Hide Creek WWTP, Challenges and Startup of the State's Newest Plant with Phosphorous Limits Paul Wood <i>Lockwood Andrews and Newnam</i> Michael Jupe <i>WMARSS</i> Berkey Sarah <i>Lockwood Andrews and Newnam</i> Meredith McCullough <i>Lockwood Andrews and Newnam</i></p>	<p>An Innovative Custom Design of Large Raw Water Intake Screens in Deep Water of Lake Travis Xiaohong He <i>AECOM</i> Shelby Eckols <i>AECOM</i> Joe Luke <i>Jose I. Guerra, Inc.</i> Bill Stauber <i>City of Austin</i></p>	<p>Selection and Design of a City-Wide, High-Bandwidth, Licensed Microwave Radio System Andrew Paulson <i>CDM</i></p>
11:00 - 11:30 am	<p>Development of a Polygon-Based Pipe Replacement Priority Tool Pete Rogers <i>University of Texas at Tyler</i></p>	<p>The Treatment Plant Multi-Tool: A 65-foot Deep, 50 MGD Pump Station Jason Crawley <i>Freese and Nichols</i> Trooper Smith <i>Freese and Nichols</i></p>	<p>Using Membrane Technology for Spent Filter Backwash Water Treatment to Increase Plant Capacity and Improve Water Quality Caroline Russell <i>Malcolm Pirnie</i> Ken DelRegno <i>Dallas Water Utilities</i> Sara Gibson <i>Malcolm Pirnie</i> Lisa Jowell <i>Dallas Water Utilities</i></p>	<p>What is My Best Buy? Bill Dang <i>Westin Engineering</i></p>
11:30 am - Noon	<p>Life Cycle Assessment: A Practical Approach Martin Tower <i>Malcolm Pirnie</i></p>	<p>High Speed Turbo Blowers for Wastewater Treatment Aeration James McMillen <i>Perkins Engineering Consultants</i> Brian Williams <i>City of Garland</i> George Luke <i>Gupta & Associates</i></p>	<p>A Tale of Two Waters: Using a Single Set of Membrane Equipment for Both Direct Filtration and Settled Water Filtration James Naylor <i>Alan Plummer Associates</i> Joe Smolinski <i>City of Mansfield</i> Robby Isbell <i>City of Mansfield</i> David Gudal <i>Alan Plummer Associates</i></p>	<p>SCADA Solutions For Rural Communities Marcelino Trujillo <i>Parkhill Smith and Cooper</i></p>

TENTATIVE SCHEDULE • TECHNICAL SESSIONS

THURSDAY MORNING, APRIL 12

Water Conservation	Utility Management & Workforce Issues	Watershed Management	Operator Forum	
<p style="text-align: center;">Demand Management Strategies for Tarrant Regional Water District Brian McDonald <i>Alan Plummer Associates</i> Mark Olson <i>Tarrant Regional Water District</i></p>	<p style="text-align: center;">Removing the Blinders: Using Dynamic Modeling to Promote Financial Sustainability Jennifer Ivey <i>Red Oak Consulting</i></p>	<p style="text-align: center;">Watershed Management To Address Nutrient and Sediment Issues Paul Jensen <i>Atkins North America</i></p>	<p style="text-align: center;">Field Testing Addresses Operations and Budget Challenges Kathy Fretwell <i>Kennedy Jenks Consultants</i> Aurora Gonzales <i>Kennedy Jenks Consultants</i></p>	9:30 - 10:00 am
<p style="text-align: center;">Tools to Determine Water Savings – Engineering End-Use Models vs. Dynamic Models: A Dallas Case Study Fujiang Wen <i>Dallas Water Utilities</i></p>	<p style="text-align: center;">Getting It Right: A Study of Cost of Service Wastewater Treatment Allocations Skipper Shook <i>City of Fort Worth</i> Jennifer Ivey <i>Red Oak Consulting</i></p>	<p style="text-align: center;">Engineering a Natural Solution to an Unnatural Challenge: Shoreline Stabilization and Beautification on Lady Bird Lake Trail, Austin Heather Harris <i>CH2M HILL</i> Morgan Byars <i>City of Austin</i></p>	<p style="text-align: center;">Comparing Solid State Water Meters to Positive Displacement Meters in Residential Services Craig Hannah <i>Johnson Controls</i></p>	10:00 - 10:30 am
<p style="text-align: center;">Untapped Potential: The Effectiveness of Municipally-Driven ICI Water Audit Programs Micah Reed <i>City of Fort Worth Water Department</i></p>	<p style="text-align: center;">Decision Making in the Face of Risk and Uncertainty Jeffrey Edmonds <i>URS Corporation</i></p>	<p style="text-align: center;">Evaluation Of Water Quality Models and Development of Example Eprdrv1 and Iwrs Models for San Antonio River Sheeba Thomas <i>San Antonio River Authority</i> Yu-Chun Su <i>Atkins North America</i> Xin He <i>Atkins North America</i> Ka-Leung Lee <i>Atkins North America</i></p>	<p style="text-align: center;">Cost Effective Automated Dead End Water Main Flushing Aaron Russell <i>City of Burleson</i></p>	10:30 - 11:00 am
<p style="text-align: center;">When the Rain Stopped: Two Cities Pursuit of Water During Historic Drought Conditions in Central Texas Aaron Archer <i>HDR Engineering</i> Kenneth Wheeler <i>City of Cedar Park</i> Wayne Watts <i>City of Leander</i></p>	<p style="text-align: center;">Hiring Texas Veterans Bryan Daye <i>Texas Veterans Commission</i></p>	<p style="text-align: center;">Effects of the 2011 Drought in Texas Karl Winters <i>U.S. Geological Survey</i> Gregory Stanton <i>U.S. Geological Survey</i></p>	<p style="text-align: center;">Water Supply Management Using AMI Technology Bernard Dunahm <i>Delta Engineering Sales</i></p>	11:00 - 11:30 am
<p style="text-align: center;">North Texas Demonstrates Correlation Between Public Education and Conservation Behavior Denise Hickey <i>North Texas Municipal Water District</i> Valerie Davis <i>EnviroMedia Social Marketing</i></p>	<p style="text-align: center;">Creating Your Own Workforce: City of Waco Partnership for Water Education Teresa Bryant <i>City of Waco</i> Jonathon Echols <i>City of Waco</i></p>	<p style="text-align: center;">Dynamic Water Quality Modeling in Support of a Watershed Protection Plan Yu-Chun Su <i>Atkins North America</i> Paul Jensen <i>Atkins North America</i></p>	<p style="text-align: center;">Operators and Engineers Working Together Provides for Project Success Jeff Sober <i>Carollo Engineers</i> John Bennett <i>Trinity River Authority of Texas</i></p>	11:30 am - Noon

TENTATIVE SCHEDULE • TECHNICAL SESSIONS

THURSDAY AFTERNOON, APRIL 12

	WW Treatment & Operations	Water Treatment & Operations	Water Resources	Regulatory
1:15 - 1:45 pm	Bench Scale Digestion Studies on the Addition of Grease Trap Waste on Digester Gas Production Frederic Winter SAWS Brandon Holby SAWS	Exhausting Your Options: GAC Contactor Design for Organics and Taste/Odor Removal Katie Walker HDR Engineering	Managing Reservoirs for Climate Change Using Dynamic Operations Ben Wright Hazen and Sawyer	Nutrients are Kicking: New Water Quality Frontiers in Texas Ana Pena-Tijerina Fort Worth Water Department Raj Bhattarai Austin Water Utility
1:45 - 2:15 pm	Solutions to Design Challenges Take Shape with 3D/4D Design Approach—Case Study of Galveston Main WWTP Reconstruction Project Christopher Varnon, CDM Jeffrey Peters, CDM Eric Wilson City of Galveston Justin Bowling City of Galveston	Utility Cost Savings Through Integrated Water Plant Delivery Michael Lucchesi CH2M HILL Jessie Li City of Sugar Land	Route Selection for a \$1.6 Billion Dollar Pipeline Alan Hutson Freese and Nichols	A Salt with a (Not So) Deadly Weapon: The Future of TDS Management in Texas Ellen McDonald Alan Plummer Associates Rex Hunt Alan Plummer Associates Angela Kilpatrick Trinity River Authority
2:15 - 2:45 pm	Current Practices and Design for Biological Nitrogen and Phosphorus Removal Lindsey Tracy AECOM Joseph Malina University of Texas at Austin Raj Bhattarai Austin Water Utility	Engineered Biofiltration: Reducing Biofilter EPS to Improve Hydraulics and Water Treatment Performance at Texas Water Treatment Facilities Chance Lauderdale Carollo Engineers Jess Brown Carollo Engineers	Water Banking for Drought Management Jeff Haby SAWS James Dwyer CH2M HILL	Total Coliform Rule – Are You Ready For The Revised Rule? Charles Maddox Austin Water Utility Anthony Bennett Anthony Bennett Consulting
2:45 - 3:15 pm	Today's Coupon: 425 MGD Pump Station at 30% Off Erin Flanagan Freese and Nichols Bryan Jann Freese and Nichols Regina Stencel Dallas Water Utilities	Improved Solids Handling System for Bluebonnet WSC Water Treatment Plant Thomas Caponi Bury Partners Damon Boniface Bluebonnet WSC	Reaching Out and Drilling Deep – The San Antonio Water System's Regional Carrizo Project Kenneth Nichols CH2M HILL Gary Guy SAWS Adam Eddy SAWS	A Proactive Approach to Addressing Environmental Regulations and Concerns for Tunneling Under Austin Ray Brainard Black and Veatch
Networking Break in the Exhibit Hall • 3:15 - 4:00 PM				
4:00 - 4:30 pm	Deep Media Filters Piloting to Enhance Capacity and Performance David Jackson Freese and Nichols Amy Robinson CDM Farida Goderya Fort Worth Water Department	Performance and Residual Management Assessment of 5 MGD Membrane Water Plant Stephen Dorman KSA Engineers	Conceptual Water Sharing Plan for Tarrant Regional Water District (TRWD) and the City of Dallas, TX Dan Buhman Buhman Associates David Marshall Tarrant Regional Water District Kirk Westphal CDM	PPCPs in Texas Drinking Waters – What Does It Tell Us? Andrew Eaton MWH Laboratories
4:30 - 5:00 pm	45 Years of BNR Treatment – What Has It Taught Us Tim Lyons CH2M HILL Glen Daigger CH2M HILL	Managing the Collision of a Drought and Plant Construction for the City of Dallas Mark Simon City of Dallas Water Utilities David Robinson City of Dallas Water Utilities Randy Romack Black and Veatch Jennifer Cottingham City of Dallas Water Utilities	People, Planet, Profit & Pumps: Using A Triple-Bottom Line Approach For Intake Pump Station Selection Sam Meisner Freese and Nichols Rusty Gibson Freese and Nichols	Practical Application of Small Systems Compliance Planning Tools David Schendel Tetra Tech

TENTATIVE SCHEDULE • TECHNICAL SESSIONS

THURSDAY AFTERNOON, APRIL 12

Safety and Security	Utility Management & Diversity	Water Conservation & Reuse	Operator Forum	
<p>Current Safety Issues Affecting the Water Utility Industry Ronnie Sexton <i>Texas Municipal League</i> <i>Intergovernmental Risk Pool</i></p>	<p>Changing the Guard: Banking the Subject Matter Expert Operational Knowledge in Your Company Joe Frankie <i>OpCon Technologies Inc.</i></p>	<p>Drought Plans: The Good, the Bad, the Ugly Jessica Woods <i>City of Round Rock</i></p>	<p>Can Water Utilities Meet Texas Energy Reduction Goals? Perry Steger <i>Steger Bizzell</i> David Pierce <i>Specific Energy</i> Robert Wenyon <i>AWC</i></p>	1:15 - 1:45 pm
<p>Intelligent Protection Systems – Wows, Pows and Gotchas Michael Graves <i>CP&Y</i> Paul Bounds <i>Fort Worth Water Department</i></p>	<p>Diversity Across the Water Industry An Owner's Perspective in North Texas Kathy Berek <i>Tarrant Regional Water District</i></p>	<p>Estimating Residential Irrigation Efficiency and Water Savings from Irrigation Audits James Totten <i>Texas A&M University</i> Jennifer Nations <i>College Station Utilities</i></p>	<p>Enabling Effective Decision Making and Regulatory Compliance with an Integrated Operations Data Management System William Serjeantson <i>Westin Engineering</i></p>	1:45 - 2:15 pm
<p>New Endeavors: Integrating Public Health and Water Quality Data to Improve Detection of a Contamination Event Cassia Sanchez <i>Dallas Water Utilities</i> Jennifer Cottingham <i>Dallas Water Utilities</i> Kenneth Thompson <i>CH2M HILL</i></p>	<p>Diversity Across the Water Industry An Owner's Perspective in South Texas Mark Vega <i>City of McAllen</i></p>	<p>Risk Assessment Study of PPCPs in Recycled Water to Support Public Review Laura Kennedy <i>Kennedy Jenks Consultants</i> Jean Debroux <i>Kennedy Jenks Consultants</i> Mark Millan <i>Data Instincts</i></p>	<p>MBR Operation and Maintenance: Lessons Learned from an Operator's Perspective Mary Sadler <i>Hazen and Sawyer</i> Tony Greiner <i>Hazen and Sawyer</i></p>	2:15 - 2:45 pm
<p>Ten Years After 9/11: Developing a Comprehensive Security Approach for a Major Utility Cassia Sanchez <i>Dallas Water Utilities</i></p>	<p>Diversity Across the Water Industry An Engineer's Perspective V.K. Gupta <i>Gupta & Associates</i></p>	<p>Using Existing Infrastructure Successfully – the Benefits and Precautions, Killeen, Texas Reuse Project Michael Meadows <i>City of Killeen</i></p>	<p>What Does it Take to Operate a WWTP During Multiple Construction Projects? Ana Pena-Tijerina <i>Fort Worth Water Department</i> Raj Bhattarai <i>Austin Water Utility</i> Gary LaGassey <i>Fort Worth Water Department</i> Roberto Macias <i>SAWS</i></p>	2:45 - 3:15 pm
Networking Break in the Exhibit Hall • 3:15 - 4:00 PM				
<p>Aqua Water Supply Corporation: Emergency Response, Recovery & Lessons Learned in the Bastrop Wildfires William Loven <i>Aqua Water Supply Corporation</i></p>	<p>Diversity Across the Water Industry A Contractor's Perspective Joe Lindeman <i>Archer Western Contractors</i></p>	<p>First Texas MBR Satellite Plant Replaces Aquifer Irrigation Don Vandertulip <i>CDM</i> Samir Mathur <i>CDM</i> Stuart Purvis <i>City of Midland</i></p>	<p>Staff Idea Restores Filters and Saves Money at the Frisco Sanitation District Mark Maxwell <i>Tetra Tech</i></p>	4:00 - 4:30 pm
<p>Free Water and Wastewater Safety, Security, and Preparedness Tools Laura Flynn <i>USEPA</i></p>	<p>Diversity Across the Water Industry Panel Discussion</p>	<p>Designing a Reliable Multi-User Reclaimed Water System Michael Graves <i>CP&Y</i> Farida Goderya <i>Fort Worth Water Department</i> Jeff Caffey <i>Alan Plummer Associates</i></p>	<p>Halting the Cycle of Break & Fix: The Leading Rewards of Maintenance Management Eric Hancock <i>Jacobs Engineering Group</i></p>	4:30 - 5:00 pm

TENTATIVE SCHEDULE • TECHNICAL SESSIONS

FRIDAY MORNING, APRIL 13

	WW Treatment & Operations	Utility Management	Public Affairs & Information	Construction Issues
9:00 - 9:30 am	<p>Between the Rock and the Flood Plain: Engineering State-of-the-Art Aledo WWTP Under Challenging Site Conditions Gennady Boksiner <i>Freese and Nichols</i> Gordon Smith <i>City of Aledo</i></p>	<p>Reinventing the Wheel: Revising Fort Worth's Construction Standards in Conjunction with the Entire City Government Glenn Gary <i>Kimley-Horn and Associates</i></p>	<p>Getting the Word Out About Drought Restrictions in a Suburban Town Jessica Woods <i>City of Round Rock</i></p>	<p>The Brownsville Public Utilities Board Design-Build Wastewater Treatment Plant Expansion—A Case History Genoveva Gomez <i>Brownsville Public Utilities Board</i></p>
9:30 - 10:00 am	<p>A Review of Expectations vs Results for Retrofitting BNR and IFAS into an Existing Plant Laura Stratton, <i>Black and Veatch</i> Gary Hunter, <i>Black and Veatch</i> Zoltan Fekete, <i>City of Lubbock</i> Mary Gonzales, <i>City of Lubbock</i></p>	<p>The Data Integration Revolution is Knocking at the Door Steven Walden <i>SWC</i></p>	<p>Public Outreach for Infrastructure Projects: Ignore it at Your Own Peril! Joseph Charest <i>Katz and Associates</i></p>	<p>BCRUA Program and Construction Management Jennifer Higby <i>BCRUA</i></p>
Networking Break in the Exhibit Hall • 10:00 - 10:30 AM				
10:30 - 11:00 am	<p>Improving a "Tried and True" Process – Austin Water Utility's Filter Rehabilitation Project at Walnut Creek WWTP Lauren Tracey <i>City of Austin AWU</i></p>	<p>Creative and Collaborative Efforts to Optimize Regional Infrastructure Joseph Aillet <i>Black and Veatch</i> Adam Eddy <i>SAWS</i></p>	<p>Comparison of Individual vs. Neighborhood Water Consumption in College Station Victor Garcia, <i>Texas AgriLife Research</i> Alan Lewis, <i>Texas AgriLife Research</i> Jennifer Nations, <i>City of College Station</i> Ron Kaiser, <i>Texas A&M University</i></p>	<p>Dealing with Construction Problems After the Warranty Expires Michael Warriner <i>Carollo Engineers</i></p>
11:00 - 11:30 am	<p>Understanding & Managing ASR Damage to Existing Wastewater Infrastructure to Maximize Capital Investment Jeffrey Wouters <i>CP&Y</i></p>	<p>Citywide – Water/ Wastewater Effective Utility Management (EUM) Master Planning and Phased Design-Build Implementation Yehuda Morag <i>CH2M HILL</i> Larry Webb <i>City of Rio Rancho</i></p>	<p>What Do a White Board, a Salamander, Residential Zoning & Tunnel Construction Have in Common? A Discussion of Route Evaluation & Communication Tools for a Hyper-Sensitive Community David Anderson, <i>Black and Veatch</i> Arin Gray, <i>Concept Development and Planning</i> Kevin Buchman, <i>Austin Water Utility</i></p>	<p>Design and Procurement of New 9 MGD Membrane WTP Using CMAR Project Delivery Bryant Caswell <i>Schrickett Rollins and Associates</i></p>
11:30 - Noon	<p>The Swamps of Cactus: Year 1 Lessons Learned Treating High-Strength Wastewater with a Constructed Wetland Timothy Noack <i>Alan Plummer Associates</i></p>	<p>Recycled Water Facilities as Hydro Power Generators: A New Dimension or an Opportunity? Pablo Martinez <i>SAWS</i></p>	<p>New Media and Water Conservation – How to Leverage Outreach Resources Linda Ruiz McCall <i>TWDB</i> Holly Vierk <i>TWDB</i></p>	<p>Delivering Alternative Design While in Construction: Experience and Lessons Learned Xiaohong He <i>AECOM</i></p>

TENTATIVE SCHEDULE • TECHNICAL SESSIONS

FRIDAY MORNING, APRIL 13

Water Distribution	Miscellaneous Topics	Odor Control	
<p>Real-time Energy and Water Quality Management System – Designed for Success Brian Skeens <i>CH2M HILL</i> Manuel Perez <i>El Paso Water Utilities</i></p>	<p>Alternative Water Supplies for Large Sports Complexes Bryant Caswell <i>Schrickel Rollins and Associates</i></p>	<p>Vapor Phase Biological Odor Control for Collection Systems James Joyce <i>VA Consulting Engineers</i></p>	9:00 - 9:30 am
<p>Advances in Linear Infrastructure Routing through Application of a GIS-Enabled Suitability Model Ron Mick <i>URS Corporation</i> Kristi Teykl <i>URS Corporation</i></p>	<p>Serving No-Man's Land Jenifer Tatum <i>Kimley-Horn and Associates</i></p>	<p>Comprehensive Odor and Corrosion Control Optimization of the North Texas Municipal Water District's Upper East Fork Interceptor System Matthew Ward, <i>CH2M HILL</i> Dolan McKnight, <i>North Texas Municipal Water District</i> Chris Quigley Mia Welch</p>	9:30 - 10:00 am
Networking Break in the Exhibit Hall • 10:00 - 10:30 AM			
<p>HDPE: A Competitive Option for Large Diameter Water Transmission Projects? Anne Carrel <i>Freese and Nichols</i></p>	<p>Case Study: Pilot Testing Indirect Potable Reuse Treatment Jayson Page <i>Hazen and Sawyer</i></p>	<p>Odor in, Odor out: How Models Handle Your Waste Adam Rose <i>Alan Plummer Associates</i> Alan Davis <i>Alan Plummer Associates</i></p>	10:30 - 11:00 am
<p>Demand Loading of Computerized Hydraulic Models Utilizing Jeffery Hill <i>City of Wichita Falls</i></p>	<p>Source Water Protection: Predicting Receiving Stream Water Quality Impact from a Large Diameter Storm Water Siphon Raajan Mehta <i>JQ Infrastructure</i></p>	<p>Impacts of the Use of Magnesia Versus Iron on Mesophilic Anaerobic Digestion and Odors in Wastewater Matthew Madolora <i>Premier Magnesia LLC</i> Kartik Radhakrishnan <i>Virginia Tech University</i> John Novak <i>Virginia Tech University</i></p>	11:00 - 11:30 am
<p>Butterfly Valves: You Gotta Love Them! Elizabeth Blackwelder <i>Freese and Nichols</i></p>	<p>Arlington Outlet Hydroelectric Facilities Andrew Doerflinger <i>Black and Veatch</i></p>	<p>Corrosion: Why is it Important and What Do I Do Now? David Haines <i>NACE International</i></p>	11:30 - Noon