



Celebrating
40 YEARS OF TRAINING EXCELLENCE

Ruby Jubilee
40th TRI-STATE SEMINAR

● = Approved ● = Wastewater Only ● = Safety only

TECHNICAL PROGRAM

TUESDAY, AUGUST 5, 2025

MAINTENANCE		Dave Badgley, Chair Jason Badgley, Co-Chair	SHOWROOM	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Tucson Waters Homegrown Asset Management Program for Large Diameter Pipelines – Britt Klein, Xylem			1106	●	●	●
8:30 AM – 9:20 AM	Preventing DC Stray Currents – Charlie Poore, MESA Products			1206	●	●	●
9:40 AM – 10:30 AM	Trenchless Pipeline Rehabilitation – David Badgley, Performance Pipeline Technologies			1306	●	●	●
10:40 AM – 11:30 AM	Right Maintenance to the Right Equipment at the Right Time – Ralph Stevens & James McPherson, CTS International			1406	●	●	●
11:40 AM – 12:30 PM	Pressure Pipeline Rehabilitation Methods for Municipal Water Applications – Jeff Coffman, Insituform Technologies			1506	●	●	●
2:00 PM – 2:50 PM	Structural vs Non-Structural Pipeline Rehabilitation – Firat Sever, CDM Smith			1706	●	●	●
3:00 PM – 3:50 PM	Will Your Water Tank Survive a Major Earthquake – Mark Moore, Blue Locker Commercial Diving			1806	●	●	●
WASTEWATER COLLECTION		Brandon Martinez, Chair Andy Keller, Co-Chair	GRAND BALLROOM A	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Adaptive Master Planning Approaches Support More Informed Decision Making – Ryan Orgill, Carollo Engineers			1102	●	●	●
8:30 AM – 9:20 AM	The Future of Manhole Covers: CAP Innovative Approach – William Nunnery, Composite Access Products (CAP)			1202	●	●	●
9:40 AM – 10:30 AM	NASSCO PACP/LACP/MACP; How Can Your Town Benefit? Jerry Weimer, Jerry Weimer Consulting & Nick Spano, Essential Equipment			1302	●	●	●
10:40 AM – 11:30 AM	Innovating Sewer Condition Assessments with AI, Web, and Cloud Technologies – Nino Rivas, CUES/SPX			1402	●	●	●
11:40 AM – 12:30 PM	Inspecting SROG Sewer Siphons and Palo Verde Power Plant Reclaim Pipelines – Britt Klein, Xylem			1502	●	●	●
2:00 PM – 2:50 PM	Anatomy of a Combination Sewer Cleaning Machine and its Evolution Rusty Nezat, Nezat Training and Consulting, Inc.			1702	●	●	●
3:00 PM – 3:50 PM	A Solution for Monitoring Inflow and Infiltration in Wastewater Infrastructure Kent Dalton, West Coast Equipment & Safety Supply & Simon Fisker, Consibio			1802	●	●	●
WASTEWATER TREATMENT		Frederick Tack, Chair Sidney Innerebner, Co-Chair	SONOMA C & D	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	A Wild Ride in the Wild West! The Story of the AJSD WRF Expansion Project Anne Latimer, Apache Junction Sewer District, Nathan Antonneau, Archer Western & Brad Reisinger, Stantec			1110	●	●	●
8:30 AM – 9:20 AM	Controlling the Activated Sludge Process Using SRT and Teamwork – Ken Schnaars, Brown and Caldwell			1210	●	●	●
9:40 AM – 10:30 AM	TBD			1310	●	●	●
10:40 AM – 11:30 AM	How to Optimize your Clarifiers – John Esler, Clarifier Performance Evaluations, Inc.			1410	●	●	●
11:40 AM – 12:30 PM	Real World Considerations for Pump Design, Operation and Troubleshooting – Steve Truitt, Penn Valley Pump			1510	●	●	●
2:00 PM – 2:50 PM	Formation of Granular Sludge with Low Strength Wastewater – Brett Quimby, Aqua-Aerobic Systems			1710	●	●	●
3:00 PM – 3:50 PM	Teaching an Old Dog New Tricks – Troubleshooting & Optimizing Chlorine Disinfection System Brian Hilts, CDM Smith			1810	●	●	●
WATER DISTRIBUTION		Ken Snow, Chair Steve Davis & Britt Klein, Co-Chair	GRAND BALLROOM B	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Advancements in Acoustic Monitoring of Pre-stressed Concrete Cylinder Pipe-Detecting Leaks – Rob King, Xylem			1111	●	●	●
8:30 AM – 9:20 AM	The Science of Mixing and Improving Water Quality in Water Storage Tanks – Kris Chenette, Red Valve			1211	●	●	●
9:40 AM – 10:30 AM	First Fix Your Valves – Then Assess Your Pipe! – Britt Klein, Xylem			1311	●	●	●
10:40 AM – 11:30 AM	Maximizing Utility Efficiency: Using IoT & Advanced Analytics to Optimize Meter Performance Josh Mendes, Olea Edge Analytics			1411	●	●	●
1:00 PM – 1:50 PM	Pressure Conveyance Pipe Design Consideration's Correlation to Pumping Cost and Efficiency Ethan Lux, Molecor USA			1611	●	●	●
2:00 PM – 2:50 PM	Impacts of Having Pressure Monitoring and Acoustic Leak Detection in Your System Kevin Barnes, Fluid Conservation Systems			1711	●	●	●
3:00 PM – 3:50 PM	Pipes, Patterns, and Predictions: Transforming Infrastructure Management with AI Bridget Garlinghouse, VODA.ai			1811	●	●	●

7:00 AM - 7:30 AM - JAVA JOLT

9:20 AM - 9:40 AM - JAVA JOLT

LUNCH A - 11:30 AM - 1:00 PM / LUNCH B - 12:30 PM - 2:00 PM



TECHNICAL PROGRAM

 **TUESDAY, AUGUST 5, 2025**

ELECTRICAL / INSTRUMENTATION & CONTROLS		Heath Szymanski, Chair Shane Hershey, Co-Chair	SONOMA B	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	10 Design and Security Tips to Elevate Your SCADA System – Tera Dalia & Reese Tyson, Inductive Automation			1114	●		●
8:30 AM – 9:20 AM	Gilbert NWTP: Electrical Fault Resilience and Redundancy – Daniel Roose, Water Works Engineers			1214	●	●	●
9:40 AM – 10:30 AM	Fortifying Industrial Automation: A Comprehensive Cybersecurity Strategy – Ahmik Hindman, Rockwell Automation			1314	●	●	●
10:40 AM – 11:30 AM	Advanced Topics: Variable Frequency Drives – Kirsten Trout, Nidec Drives			1414	●	●	●
1:00 PM – 1:50 PM	Water Systems Under Threat: The Role of Cybersecurity in Safeguarding Supply – Heath Jeppson, Stanley Consultants			1614	●	●	●
2:00 PM – 2:50 PM	An In-place MCC Replacement Option for Switchgear & Automation Modernization Clark Burbidge, Codale Electric Supply & Heath Szymanski, Las Vegas Valley Water District			1714	●	●	●
3:00 PM – 3:50 PM	Precision in the Desert: Essential Online Water Quality Monitoring in the Tri-State Region Garrett Figley, Swan Analytical Instruments			1814	●	●	●
GROUNDWATER / RECHARGE		Geno Mammini, Chair Don Hanson, Co-Chair	NAPA C & D	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Groundwater Wells 101 – Nate Arnold, Daniel B. Stephens & Associates & Geno Mammini, Clear Creek Associates			1104	●		●
8:30 AM – 9:20 AM	Understanding Steel Options for Groundwater Well Casing, Screen, and Pump Column Jeremy Kuhn, Roscoe Moss Company			1204	●		●
9:40 AM – 10:30 AM	Advancements in Water Well Screen Hydraulics – Kevin McGillicuddy, Roscoe Moss Company			1304	●		●
10:40 AM – 11:30 AM	Groundwater Well Maintenance Made Easy – Joseph Cowlshaw, Hose Solutions, Inc.			1404	●		●
11:40 AM – 12:30 PM	Groundwater Well Liner – Extending Asset Life – Geoffrey Bates, California Water Service			1504	●		●
2:00 PM – 2:50 PM	Sustainable Arsenic & Fluoride Removal with Zero Liquid Discharge for Drinking Water Tony Powell & Brian Butters, Purifics Water Inc.			1704	●		●
3:00 PM – 3:50 PM	Planning and Implementing Aquifer Recharge Projects – Alex Potter & Travis Geringer, Clear Creek Associates			1804	●	●	●
LABORATORY		John Shephard, Chair Kyle Anders, Co-Chair	SONOMA A	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Water Sample Collection Best Practices McKenna Oh, Western Environmental Testing Laboratory & Nick Ross, Western Environmental Testing Laboratory			1103	●	●	●
8:30 AM – 9:20 AM	Techniques for Measuring Surfactants in Surface Water & Wastewater Gabson Baguma, University of Nevada, Las Vegas			1203	●	●	●
9:40 AM – 10:30 AM	Performing the 4-Point Microexam – Steve Leach, Leach Microbial Consulting			1303		●	●
10:40 AM – 11:30 AM	What the Mox? An Overview of Commamox, Anammox, and the Nite-Denite Cycle Heather Jennings, Huma Environmental			1403		●	●
1:00 PM – 1:50 PM	IDEXX Tecta: Automated Bacterial Testing of Water Samples – Shawn Dubois, IDEXX Laboratories			1603	●	●	●
2:00 PM – 2:50 PM	Understanding the Risk of Legionella Pneumophila in Water Systems – Shawn Dubois, IDEXX Laboratories			1703	●	●	●
3:00 PM – 3:50 PM	Quantitative Microbial Risk Assessment for De Facto Reuse in the Las Vegas Valley Daniel Gerrity & Katherine Crank, Southern Nevada Water Authority			1803	●	●	●
RECLAIM / REUSE		Coenraad Pretorius, Chair Erin Daugherty, Co-Chair	NAPA A & B	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Fundamentals of Membrane Filtration and Reverse Osmosis Operation in Reuse Applications Kyle Nelson, Brown and Caldwell & Eric Gonzales, PERC Water			1109	●	●	●
8:30 AM – 9:20 AM	What to Know; Design, Construction and Operation of a Treatment Plant by Real Operators Ryan Becker & Shawn Pimentel, Rosamond Community SD			1209	●	●	●
9:40 AM – 10:30 AM	Cost-Effective Water Reuse: Reducing Cost of Treatment With Silicon Carbide Membranes – Ashwini Khare, Ovivo			1309	●	●	●
10:40 AM – 11:30 AM	Game Changers in Managing Organics for Direct Potable Reuse – Jasmina Markovski, ADEQ			1409	●	●	●
1:00 PM – 1:50 PM	Planning and Piloting for Direct Potable Reuse in California and Arizona – Amos Branch, Carollo			1609	●	●	●
2:00 PM – 2:50 PM	Follow the Light: UV for Potable and Nonpotable Reuse Applications – Patrick Bollman, Xylem			1709	●	●	●
3:00 PM – 3:50 PM	Characterizing Virus Reduction During Secondary Biological Treatment for Water Reuse Phillip Wang, Southern Nevada Water Authority			1809	●	●	●

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TUESDAY, AUGUST 5, 2025

STORMWATER	Jennifer Davis, Chair Kevin Boesch, Co-Chair	GRANDVIEW LOUNGE	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Microplastics in the Waters of America – Kenneth Beckstead, Pollution Solutions Group, Inc.		1113	●	●	●
8:30 AM – 9:20 AM	Stormwater – Lessons Learned From the City Rate Increase Project – Dalia Fadl, City of Rancho Cordova		1213			●
9:40 AM – 10:30 AM	Stormwater Outreach – Bring Real World STEM Challenges to the Classroom! Kristin Homuth, Maricopa County Stormwater Quality Program		1313			●
10:40 AM – 11:30 AM	Weighing the Impact of Recent U.S. Supreme Court Decisions on Storm Water Regulation Gregory Newmark, Meyers Nave		1413			●
1:00 PM – 1:50 PM	TBD		1613			●
2:00 PM – 2:50 PM	TBD		1713			●
3:00 PM – 3:50 PM	Characterization of Stormwater Sampling Data in the Las Vegas Valley John Tennert, Regional Flood Control District & Angela MacKinnon, Brown and Caldwell		1813			●

7:00 AM - 7:30 AM - JAVA JOLT



HANG ON TO YOUR BADGE

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TECHNICAL PROGRAM

WEDNESDAY, AUGUST 6, 2025

MAINTENANCE		Dave Badgley, Chair Jason Badgley, Co-Chair	SHOWROOM	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	MH & Structural Problems and Solutions Using State of the Art Materials & Techniques <i>David Badgley, Badley & Assoc. Performance Pipeline Technologies</i>			2106		●	●
8:30 AM – 9:20 AM	Controlling H2S in Collection Systems, HAB in Ponds and Lakes Using Soil Based Bacteria <i>Jim Aanderrud, Permidian Technologies, EnBiorganic</i>			2206		●	●
9:40 AM – 10:30 AM	Hydraulic Odor & Corrosion Control in Sewer Drops & Water Tank Aeration – Kerry Koressel, IPEX USA LLC			2306		●	●
10:40 AM – 11:30 AM	Corrosion Protection Best Practices for Critical Water Assets – Gary Graham, Farwest Corrosion Control			2406	●	●	●
11:40 AM – 12:30 PM	Troubleshooting and Maintaining Your Automatic Control Valve – Jim Lugo, Watts Water Technologies			2506	●	●	●
2:00 PM – 2:50 PM	Installation and Maintenance for Electric Motors and Drives <i>Don Taft & Tyler Lavery, Valley Power Systems</i>			2706	●	●	●
3:00 PM – 3:50 PM	Enhancing Preventive Maintenance Through Infrared Thermography and Vibration Analysis <i>Tanner Canfield, Canfield Engineering & Integration</i>			2806	●	●	●
WASTEWATER COLLECTION		Brandon Martinez, Chair Andy Keller, Co-Chair	GRAND BALLROOM A	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Cleaning Efforts at the City of Las Vegas WWTP Outfall <i>Saul Gutierrez, CONSOR & Dominic Panaligan, City of Las Vegas</i>			2102	●	●	●
8:30 AM – 9:20 AM	Wireless Sewer Flow Monitoring – David Brown, McCrometer Inc.			2202	●	●	●
9:40 AM – 10:30 AM	Manhole Virtual Models (MVM) – Manhole Asset Management – Jason Lake, RH Borden and Company			2302	●	●	●
10:40 AM – 11:30 AM	Combination Machine Maintenance <i>Thadeus Dedmon, Haaker Equipment Company & Tony Saragosa Haaker Equipment Company</i>			2402	●	●	●
11:40 AM – 12:30 PM	Performing Proper Open Trench Point Repair – Michael Bea & Tom Bea, Joints Couplings			2502	●	●	●
2:00 PM – 2:50 PM	Soil Based Bacteria – Natures Solution for Odor, FOG and Sludge Reduction <i>Jim Aanderrud, Permidian Technologies</i>			2702	●	●	●
3:00 PM – 3:50 PM	Manhole Inspections – What Does All The Data Mean And Petaluma's Project Experience <i>Mike Ping, Dukes & Dan Herrera, City of Petaluma CA</i>			2802	●	●	●
WASTEWATER TREATMENT		Frederick Tack, Chair Sidney Innerebner, Co-Chair	SONOMA C & D	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	DAFT 101: Most everything you wanted to know about Dissolved Air Flotation Thickeners <i>Adrian Edwards, WAVE Services, LLC</i>			2110	●	●	●
8:30 AM – 9:20 AM	Centrifuge Dewatering and Thickening 101 – Sean Tierney, Franzenburg Centrifuge			2210	●	●	●
9:40 AM – 10:30 AM	Understanding Activated Sludge Microbiology to Optimize Process Operation – Rasha Maal-Bared, CDM Smith			2310	●	●	●
10:40 AM – 11:30 AM	The Wonderful World of Microbiology – Steve Leach, Leach Microbial Consulting			2410	●	●	●
11:40 AM – 12:30 PM	Best Practices for Centrifuge Equipment Procurement – Jacob Emmons, Arcadis			2510	●	●	●
2:00 PM – 2:50 PM	Case Study: Struvite Reduction via Hydrogen Perox – Brenda Blake, Ian Watson & Michael Collins, USP Technologies			2710	●	●	●
3:00 PM – 3:50 PM	Concrete Rehabilitation & Coating – Key Quality Assurance for a Successful Application <i>Joseph Keating & Scott Wendling, Sauereisen, Inc.</i>			2810	●	●	●
WATER DISTRIBUTION		Ken Snow, Chair Steve Davis & Britt Klein, Co-Chair	GRAND BALLROOM B	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Contingency Planning For Emergency Pipeline Repair – Lessons Learned – Mike Scholz, JCM Industries, Inc.			2111	●	●	●
8:30 AM – 9:20 AM	Big Pipes, Big Data: Advances in Metallic Pipeline Condition Assessment – Eric Toffin & Boyu (Leo) Liu, Pure Technologies			2211	●	●	●
9:40 AM – 10:30 AM	Exposing Hidden Secrets of Water Meter Inaccuracy – Stephen Davis, Metering Technology Consultants			2311	●	●	●
10:40 AM – 11:30 AM	How Utilities Can Use Water Data to Spot Leaks, Save Water, and Keep Customers Happy <i>Ellie Graeden, Metron-Farnier</i>			2411	●	●	●
1:00 PM – 1:50 PM	Intro to Line Stops, Hot Taps, Valve Insertions, & Pipe Freezing – Steve Helm, Tap Master Inc.			2611	●	●	●
2:00 PM – 2:50 PM	Peristaltic & Diaphragm Pumps, Accessories, Skids for Ideal Operation and Maintenance <i>Richard Hopkins, Blue White</i>			2711	●	●	●
3:00 PM – 3:50 PM	Optimizing Water Systems/Comprehensive Guide to Selecting and Applying – Tina Christine & Jaymin Jackson, Cla-Val			2811	●	●	●

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LUNCH A - 11:30 AM - 1:00 PM / LUNCH B - 12:30 PM - 2:00 PM



TECHNICAL PROGRAM

WEDNESDAY, AUGUST 6, 2025

ELECTRICAL / INSTRUMENTATION & CONTROLS		Heath Szymanski, Chair Shane Hershey, Co-Chair	SONOMA B	SESSION	CA	NV	AZ	7:00 AM - 7:30 AM - JAVA IOLT
7:30 AM – 8:20 AM	Introduction to Technical Skills for Automation and Control Systems <i>Jeromy Peterson & Joshua Pearce, Ripple Industries, LLC</i>			2114	●	●	●	
8:30 AM – 9:20 AM	EPA Cybersecurity Inspection Outcome with EPCOR and City of Surprise <i>Mark Reski, PE, GICSP, Quantum Engineering, Jonathan Pitney, EPCOR USA, Maris Adams, City of Surprise & Andrew Milakovich, Estrella Mountain Community College</i>			2214	●	●	●	
9:40 AM – 10:30 AM	Can Motion Control/Robotics Enhance Water/Wastewater Operations? <i>Brian Schreiber, Quantum Engineering & Max Davitt, LinMot USA, Inc.</i>			2314	●	●	●	
10:40 AM – 11:30 AM	Best Practices for Electric Motor Installation & Maintenance – Mark Gaskill & Scott Hopkins, Nidec Motor Corporation			2414	●	●	●	
1:00 PM – 1:50 PM	Instrumentation Diagnostics Deserve Their Own PLC <i>Christopher Helliwell & Nick Hanson, Endress+Hauser</i>			2614	●	●	●	
2:00 PM – 2:50 PM	Inside a UL 508A Panel Shop: Safety, Quality, and Compliance – Patrick Kelly, Felix Construction			2714	●	●	●	
3:00 PM – 3:50 PM	Harnessing AI for Operational Improvements in Maintenance Scheduling <i>Bret Young, Rockwell Automation & Clark Burbidge, Codale Electric Supply</i>			2814	●	●	●	9:20 AM - 9:40 AM - JAVA IOLT
ENVIRONMENTAL COMPLIANCE / PRETREATMENT		Nicole deMoet, Chair Stephanie Pezzelle, Co-Chair	NAPA C & D	SESSION	CA	NV	AZ	
7:30 AM – 8:20 AM	Using Effective Compliance Tools and Practices for Managing Violations and Enforcements <i>Saqub Karori, NJB Soft LLC</i>			2107		●	●	
8:30 AM – 9:20 AM	H2S Safety for Pretreatment Inspectors Part 1 – Rick Allen, BioLynceus Biological Solutions			2207	●	●	●	
9:40 AM – 10:30 AM	H2S Safety for Pretreatment Inspectors Part 2 – Rick Allen, BioLynceus Biological Solutions			2307	●	●	●	
10:40 AM – 11:30 AM	Greening in Metal Finishing Operations – Brian Casellon & Miguel Rodas, Los Angeles Bureau of Sanitation			2407		●	●	
11:40 AM – 12:30 PM	Remote Sewer Monitoring Technology for Pretreatment Programs – Chelsey McCluskey, City of Pheonix			2507		●	●	
2:00 PM – 2:50 PM	Grease Wars – Chris Gravenstein, City of Reno & Cody McDougall, City of Sparks			2707		●	●	LUNCH A - 11:30 AM - 1:00 PM / LUNCH B - 12:30 PM - 2:00 PM
3:00 PM – 3:50 PM	Examples of High Performing Municipal Pretreatment Programs – Samuel Mcleod, FOG BMP Software			2807		●	●	
ENVIRONMENTAL HEALTH / SAFETY & SECURITY		Tim Page-Bottorff, Chair Jon Cordoba, Co-Chair	NAPA A & B	SESSION	CA	NV	AZ	
7:30 AM – 8:20 AM	Supervisors: Your Ace in the Hole – Mary Silva, Crum and Forster & David Silva, Silva Performance Solutions			2108		●	●	
8:30 AM – 9:20 AM	The Value of Venting – Tim Page-Bottorff, SafeStart			2208		●	●	
9:40 AM – 10:30 AM	Not Another Stupid Mistake! A 2-Prong Approach For Making Routine Work Safer <i>Sharon Lipinski, Habit Mastery Consulting</i>			2308		●	●	
10:40 AM – 11:30 AM	4 Safety Leadership Fundamentals: A Conversation With a Retired Naval Officer <i>Robert McCarthy, Department of Defense</i>			2408		●	●	
1:00 PM – 1:50 PM	From the Ground Up: Nurturing Informal Leaders <i>Mary Silva, Crum and Forster & David Silva, Silva Performance Solutions</i>			2608		●	●	
2:00 PM – 2:50 PM	The Need for 3rd party Standby Rescue & Rope Safety Systems <i>Damian Noe, American Rescue and Safety & Josh Parafinik, American Rescue and Safety</i>			2708	●	●	●	
3:00 PM – 3:50 PM	Safety: Making it Stick – Eldeen Pozniak, Diggins Safety Associates			2808		●	●	
STORMWATER		Jennifer Davis, Chair Kevin Boesch, Co-Chair	GRANDVIEW LOUNGE	SESSION	CA	NV	AZ	
7:30 AM – 8:20 AM	Advancing Stormwater and Sewer System Inspections with Pipe Crawlers and Photogrammetry <i>Tristan Walker, Deep Trekker</i>			2113			●	
8:30 AM – 9:20 AM	TBD			2213			●	
9:40 AM – 10:30 AM	Managing Stormwater with Drones at the Port of Tacoma – Ben Nield, The Northwest Seaport Alliance			2313			●	
10:40 AM – 11:30 AM	Technology in a Changing Environment: Using Drones for SWPPP – Samatha Wood, Ames Construction			2413	●		●	
1:00 PM – 1:50 PM	Construction Challenges in a Changing Climate – Phil Ryder, Ames Construction			2613			●	
2:00 PM – 2:50 PM	Common Sense Stormwater Control Measures Design and Installations <i>Edward D'Agostino, R&D Stormwater Management & Stanley Raskow, Kitchell Environmental Services</i>			2713	●		●	
3:00 PM – 3:50 PM	Weaving a Post-Construction Stormwater Compliance Program into Existing Agency Processes <i>Julia Manfredi, WSP USA, Inc. & Laura Nordan, Arizona Department of Transportation</i>			2813			●	

TECHNICAL PROGRAM

WEDNESDAY, AUGUST 6, 2025

SURFACE WATER / WATER TREATMENT	Blake Gonska, Chair Kamrun Ahmadi, Co-Chair	SONOMA A	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Leveraging Backcasting to Address Future Water Quality Challenges for Lake Mead <i>Brooke Stemple, Southern Nevada Water Authority & Eunice Ledres, UNLV</i>		2112	●		●
8:30 AM – 9:20 AM	Filter Mechanics 101 – Cleaning vs Replacing – <i>Michael Touzinsky, Blue Earth Products</i>		2212	●		●
9:40 AM – 10:30 AM	What is New in 2025 for PFAS Treatment – <i>Mark Dodd, Aquatech International AES Division</i>		2312		●	●
10:40 AM – 11:30 AM	Partnering with Arizona DEQ to Tackle PFAS Challenges in Arizona's Communities <i>Vicki Chu & Craig Wenger, Kimley-Horn & Associates</i>		2412	●		●
1:00 PM – 1:50 PM	The Role of CO2 in Corrosion Control – <i>Camila Hess, Tomco Systems</i>		2612	●		●
2:00 PM – 2:50 PM	Engineering Rollup Regeneration Services for Hexavalent Chromium Treatment <i>Tyler Butel, Chart Industries & Phil Chandler, Datumpin</i>		2712	●		●
3:00 PM – 3:50 PM	On-Site Sodium Hypochlorite Generation: A Safe and Reliable Disinfection – <i>Kevin Sanner, Clearwater1</i>		2812	●	●	●

7:00 AM - 7:30 AM - JAVA JOLT



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THURSDAY, AUGUST 7, 2025

MAINTENANCE		Dave Badgley, Chair Jason Badgley, Co-Chair	SHOWROOM	SESSION	CA	NV	AZ	7:00 AM - 7:30 AM - JAVA JOLT
7:30 AM – 8:20 AM	Maintenance and Repair Coating For Key Water/Wastewater Infrastructure Assets <i>Tug Ferguson, Themec Company</i>			3106	●	●	●	
8:30 AM – 9:20 AM	Trenching and Shoring Awareness – You've Got Options! – Nick Tarin, United Rentals			3206	●	●	●	
9:40 AM – 10:30 AM	For a Few Dollars More, You Can Greatly Increase the Life and Efficiency of Your Pumps <i>Michael Bodart, General Pump Company Inc.</i>			3306	●	●	●	
10:40 AM – 11:30 AM	Data Driven Maintenance: Practical Solutions for Evaluation & Implementation <i>Joberto Lee, Enterprise Automation</i>			3406	●	●	●	
11:40 AM – 12:30 PM	Utility Locating Technologies: Find Metal, Plastic and Asbestos Cement Pipe <i>Adam Zeciri, Locating Dynamics & Grant DuBois, Instrument Technology Corporation</i>			3506	●	●	●	
2:00 PM – 2:50 PM	Electrical Maintenance, Electrical Safety and New NFPA 70B Requirements – Tim Rohrer, Exiscan			3706	●	●	●	9:20 AM - 9:40 AM - JAVA JOLT
3:00 PM – 3:50 PM	Are You Safe or Just Compliant? AR Daily Wear or Task-Based Kits for Arc Flash Protection <i>Derek Sang, Bulwark Protection</i>			3806	●	●	●	
WASTEWATER COLLECTION		Brandon Martinez, Chair Andy Keller, Co-Chair	GRAND BALLROOM A	SESSION	CA	NV	AZ	
7:30 AM – 8:20 AM	Wastewater Monitoring For Public Health: Recent Progress And Future Directions <i>Casey Barber, Southern Nevada Water Authority</i>			3102	●	●	●	
8:30 AM – 9:20 AM	Considerations When Looking to Purchase New Hydrovac Trucks – Nick DeMagistris, Transwest			3202	●	●	●	
9:40 AM – 10:30 AM	Sewer System Operators in Arizona, California And Nevada Leverage Real-Time Monitoring <i>Eric Van Cleave, SmartCover</i>			3302	●	●	●	
10:40 AM – 11:30 AM	Revolutionizing Manhole Rehabilitation: A Case Study on Agency-Driven Success <i>Alena Mikhaylova, Geneva Pipe & Precast – A Northwest Pipe</i>			3402	●	●	●	
11:40 AM – 12:30 PM	Insane in the Force Main: A Multi-Phase Condition Assessment Journey <i>Paul Gagliardo, Gagliacqua Consulting & Chris MacDonald, CMP Pipelines</i>			3502	●	●	●	LUNCH A - 11:30 AM - 1:00 PM / LUNCH B - 12:30 PM - 2:00 PM
2:00 PM – 2:50 PM	Preventive Maintenance for WW Collection Systems – Loyd Rawlings, USABlueBook & John Schwartz, USABlueBook			3702	●	●	●	
3:00 PM – 3:50 PM	Trenchless Technology for Structural Rehabilitation of Water, Storm and Sewer Systems <i>Kurt Chirbas, GeoTree Solutions</i>			3802	●	●	●	
WASTEWATER TREATMENT		Frederick Tack, Chair Sidney Innerebner, Co-Chair	SONOMA C & D	SESSION	CA	NV	AZ	
7:30 AM – 8:20 AM	Evaluation of Advanced In-Situ Generated Ferrate System for PFAS Degradation <i>Vladimir Dozortsev, AMS & Keith McLeroy, Ecolyse</i>			3110	●	●	●	
8:30 AM – 9:20 AM	Single Aerobic Basin Nitrification/Denitrification at Grand Canyon's Phantom Ranch <i>Lauren Takitch, Entex Technologies, Inc.</i>			3210	●	●	●	
9:40 AM – 10:30 AM	Navigating Phosphorus Removal: A Comparative Guide to Chemical and Biological Treatment <i>Raj Chavan, Ardurra & Murthy Kasi, Olsson</i>			3310	●	●	●	
10:40 AM – 11:30 AM	Chlorine Contact Tank Expansion & Disinfection Conversion at Meadowlark Water Reclamation <i>Ryan Morgan, Vallecitos Water District</i>			3410	●	●	●	
11:40 AM – 12:30 PM	Back to Basics: Review of UV Disinfection – Patrick Bollman, Xylem			3510	●	●	●	
2:00 PM – 2:50 PM	Septic Impact on Rural WWTPs: Dewatering, Sludge Handling, and Resilient Facility Planning <i>Frederick Tack, Consor</i>			3710	●	●	●	
3:00 PM – 3:50 PM	The Role of Permanent Magnets and Rare-Earth Materials in Wastewater Treatment <i>Greg Page, Neo Water Treatment</i>			3810	●	●	●	
WATER DISTRIBUTION		Ken Snow, Chair Steve Davis & Britt Klein, Co-Chair	GRAND BALLROOM B	SESSION	CA	NV	AZ	
7:30 AM – 8:20 AM	Adding New Control Points on Distribution Mains. The Traditional and Low-Dig Options. <i>Shawn Petty, Advanced Valve Technologies</i>			3111	●	●	●	
8:30 AM – 9:20 AM	Leveraging Digital Tools and AI for Comprehensive Water Loss Management <i>Bryce Murphy, Itron</i>			3211	●	●	●	
9:40 AM – 10:30 AM	Making Water Infrastructure Intelligent – Mike Uthe, Mueller Water Products			3311	●	●	●	
10:40 AM – 11:30 AM	Water Meters Can't Find Water Main Line Leaks, Can They? You Bet They Can! – Jake Waidmann, Kamstrup			3411	●	●	●	
1:00 PM – 1:50 PM	Saving Your System Through High Resolution Data – Eric Larson, Badger Meter			3611	●	●	●	
2:00 PM – 2:50 PM	Pipeline Preparation, Plans, and Solutions for Emergency or Planned Repairs – Monty Harrup, Rangeline Group			3711	●	●	●	
3:00 PM – 3:50 PM	Leveraging AMI data to Develop District Metered Areas (DMAs) <i>Tim Collie & Ryan Johnson, Elsinore Valley Municipal Water District</i>			3811	●	●	●	

TECHNICAL PROGRAM

THURSDAY, AUGUST 7, 2025

BACKFLOW PREVENTION		Nathan Ellis, Chair	Kevin Neal, Co-Chair	SONOMA B	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Backflow Assembly Field Testing – Safety and Health Guidelines – Are You Compliant? <i>Robert Purzycki, Backflow Apparatus & Valve Co.</i>				3101	●		●
8:30 AM – 9:20 AM	Backflow Repair Basics – Kenneth Ashlock, Cross Connection Environmental				3201	●		●
9:40 AM – 10:30 AM	Backflow Tester Certification Shortfalls! – Chris Castaing, San Diego County Water Authority				3301	●		●
10:40 AM – 11:30 AM	Degree of Hazard, What Does It Really Mean? – Chris Castaing, San Diego County Water Authority				3401	●		●
1:00 PM – 1:50 PM	Tester & Business Ethics – Kenneth Ashlock, Cross Connection Environmental				3601	●		●
2:00 PM – 2:50 PM	Hazard Assessments – Plan of Action – Ron Hazzard, C4-Cross Connection Control Consultants				3701		●	●
3:00 PM – 3:50 PM	Minimizing Time and Cost Burdens on Blackflow Program Managers – Mitch LeBas, Backflow Prevention Services				3801	●		●
ENVIRONMENTAL COMPLIANCE / PRETREATMENT		Nicole deMoet, Chair	Stephanie Pezzelle, Co-Chair	NAPA C & D	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Soil Based Bacteria – Natures Natural Solution in Industrial and Municipal Applications <i>Jim Aanderud, Permidian Technologies LLC</i>				3107		●	●
8:30 AM – 9:20 AM	Evaluating & Interpreting PFAS Results at a Wastewater Treatment Facility <i>Eric Anderson, Clark County Water Reclamation District</i>				3207	●	●	●
9:40 AM – 10:30 AM	Understanding the Pretreatment Processes to Protect your POTW – Cathy Swanson & Dan Teeters, Ecolab				3307		●	●
10:40 AM – 11:30 AM	Planning for PFAS Treatment and Pilot Study, One Year With the Town of Payson's Pilot <i>Dane Whitmer, Consor Engineer</i>				3407	●	●	●
11:40 AM – 12:30 PM	ADEQ's PFAS Progress: Regulatory, Statewide Sampling and Mitigation Project Advances <i>Mathew Olson & Gavin Walton, Arizona Department of Environmental Quality</i>				3507	●	●	●
2:00 PM – 2:50 PM	PFAS Destruction: Lessons Learned From Field Programs Inform the Treatment Train Model <i>Gavin Scherer, DE-FLUORO</i>				3707	●	●	●
3:00 PM – 3:50 PM	Microplastics On My Mind – Heather Jennings, Huma Environmental				3807	●	●	●
ENVIRONMENTAL HEALTH / SAFETY & SECURITY		Tim Page-Bottorff, Chair	Jon Cordoba, Co-Chair	NAPA A & B	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Using Gas Detection to Help Determine Appropriate PPE – Greg Khair, Draeger & Mark Heuchert, Draeger				3108	●	●	●
8:30 AM – 9:20 AM	The Dynamic Duo Situational & Self-Awareness Unite for Ultimate Safety and Success <i>Tim Page-Bottorff, SafeStart & David Silva, Silva Performance Solutions</i>				3208	●	●	●
9:40 AM – 10:30 AM	Toward a Fall Protection Paradigm Shift – Russell Duren, PGM Safety Services				3308	●	●	●
10:40 AM – 11:30 AM	Lessons Learned From My Father: A Father/Daughter Experience in Safety When Owning A Biz <i>Jonahha O'Dell, Safety, Health and Env Consultants & John Runge, Runge Builders</i>				3408		●	●
1:00 PM – 1:50 PM	A Big Hole In Confined Space Training Gas Monitor Training – Jason Call, Tinosi Inc.				3608		●	●
2:00 PM – 2:50 PM	PFAS and Other Contaminants of Concern – Rasha Maal-Bared, CDM Smith				3708	●	●	●
3:00 PM – 3:50 PM	Confined Space vs. Any Space with Hazards: Is it Permit Required? – Michael Vaughn, Safety Help Today				3808	●	●	●
LEADERSHIP DEVELOPMENT		Brett Offerman, Chair	Lisa Farinas, Co-Chair	GRANDVIEW LOUNGE	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	Emotional Intelligence: Building Self-Awareness by Understanding Feelings and Emotions <i>Keli Callahan, Stantec Consulting Services Inc.</i>				3105		●	●
8:30 AM – 9:20 AM	Analyzing Performance Problems <i>James McPhearson & Ralph Stevens, Competency Training Systems CTS International Inc.</i>				3205		●	●
9:40 AM – 10:30 AM	Training To Standards and Compliance <i>James McPhearson & Ralph Stevens, Competency Training Systems CTS International Inc.</i>				3305		●	●
10:40 AM – 11:30 AM	The Tech Talent Pool: Barren Desert or Lush Oasis? – Joseph Blackman, Vitendo				3405		●	●
1:00 PM – 1:50 PM	Career Management & Interviewing – An Operational Perspective <i>Chris Castaing, San Diego County Water Authority</i>				3605		●	●
2:00 PM – 2:50 PM	Empowering Water Utility Leaders: Building Essential Skills for Success – Michele Rodriguez, Ridgcresta				3705		●	●
3:00 PM – 3:50 PM	Strategic Planning and Execution of the Water Utility – Ken Snow, Town of Gilbert Arizona				3805		●	●

7:00 AM - 7:30 AM - JAVA JOLT

9:20 AM - 9:40 AM - JAVA JOLT

LUNCH A - 11:30 AM - 1:00 PM / LUNCH B - 12:30 PM - 2:00 PM



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TECHNICAL PROGRAM

THURSDAY, AUGUST 7, 2025

SURFACE WATER / WATER TREATMENT		Blake Gonska, Chair Kamrun Ahmadi, Co-Chair	SONOMA A	SESSION	CA	NV	AZ
7:30 AM – 8:20 AM	UV-LED Technology: A Mercury-Free Alternative for Water Treatment <i>Hannah Ray, Southern Nevada Water Authority</i>			3112	●	●	●
8:30 AM – 9:20 AM	PFAS is here... now how do I deal with it without breaking the bank? – <i>Steve Green, ATEC Water Systems</i>			3212	●		●
9:40 AM – 10:30 AM	Chlorine and UV-LED Disinfection of L. Pneumophila and A. Polyphaga Host <i>Ayella Maile-Moskowitz, Southern Nevada Water Authority</i>			3312	●		●
10:40 AM – 11:30 AM	How Continuous Ultra Filtration and SiC Membranes Provide Environmental Advantages <i>Brian Butters & Tony Powell, Purifics Water Inc.</i>			3412	●		●
1:00 PM – 1:50 PM	Surface Water Primary Disinfection Options with UV Technology – <i>Scott Binder, Trojan Technologies</i>			3612	●		●
2:00 PM – 2:50 PM	Designing, Fabricating and Installing a Chemical Feed Systems for Your Application <i>Tommy Hartwig, D&H Water Systems Inc.</i>			3712	●	●	●
3:00 PM – 3:50 PM	Extending the Bed Life of Existing Arsenic Adsorbent Systems: A Full-Scale Case Study <i>Bennett Buchsieb, Graver Technologies</i>			3812	●		●

7:00 AM - 7:30 AM - JAVA JOLT



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