

TECHNICAL PROGRAM

TUESDAY, AUGUST 4, 2026 

MAINTENANCE		Dave Badgley, Chair Jason Badgley, Co-Chair	SHOWROOM	SESSION
7:30 AM – 8:20 AM	Tucson Waters Homegrown Asset Management Program for Large Diameter Pipelines – Britt Klein, Pure Technologies and Wachs Water Services, Xylem Brands			1106
8:30 AM – 9:20 AM	Artificial Intelligence Expansion and Its Projected Effects on AC Inference of Buried Pipelines Charles Poore, Jr., BK Corrosion			1206
9:40 AM – 10:30 AM	Overview of Classic and the New State of the Art Trenchless Pipeline Rehabilitation David Badgley, Badgley & Assoc & Performance Pipeline Technologies			1306
10:40 AM – 11:30 AM	How Force Main Evolution Drove the Rise of Multi-Sensor Condition Assessment – Steve Burks, CPM Pipelines			1406
11:40 AM – 12:30 PM	Trenchless Rehabilitation of Water and Sewer Pressure Pipelines Cassie Clancy, Primus Line, Inc.; Lorrie Lausten, PE, Trabuco Canyon Water District			1506
2:00 PM – 2:50 PM	Harnessing the Flexibility of Bolted, Sleeve Type Couplings – Sinjon Bradberry, Ford Meterbox			1706
3:00 PM – 3:50 PM	Case Study: Achieving 80%+ Cost Savings via UV-Cured CIPP in San Bernardino Thomas Edwards, Duke's Root Control; Richard Hyle, San Bernardino Municipal Water Dept.			1806
WASTEWATER COLLECTION		Brandon Martinez, Chair Andy Keller, Co-Chair	GRAND BALLROOM A	SESSION
7:30 AM – 8:20 AM	Using Inspection Data and GIS to Support Defensible Capital Decisions – Josh Ford, Pipe Aid			1102
8:30 AM – 9:20 AM	Vital Maintenance for your Combination Unit – Thadues Dedmon, Haaker Equipment; Tony Saragosa, Haaker Equipment			1202
9:40 AM – 10:30 AM	Choosing the Best Gas Detector for Wastewater Collections – Liam Wong, GFG Instrumentation			1302
10:40 AM – 11:30 AM	Integrated Technology for Continuous Microbiology Control of Odors, FOG, Sludge, and SSOs Jim Aanderud, Permidian Technologies			1402
11:40 AM – 12:30 PM	Subsurface Success: Precision Tools for No-Dig Collections Maintenance Steve Bullis, Union Sanitary District Tri-City Wastewater; Mike Minchaca, Union Sanitary District Tri-City Wastewater			1502
2:00 PM – 2:50 PM	CCTV Best Practices for the Field Operator Edward Makowski, Inland Empire Utilities Agency; Edward Chavez, Inland Empire Utilities Agency			1702
3:00 PM – 3:50 PM	Inflow and Infiltration: The Sneaky Thief – Loyd Rawlings, USA Bluebook			1802
WASTEWATER TREATMENT		Frederick Tack, Chair Sidney Innerebner, Co-Chair	SONOMA C & D	SESSION
7:30 AM – 8:20 AM	A Review of the Phase 4 Upgrades at the Kurt R. Segler Water Reclamation Facility Suzy Trabia, City of Henderson; Kyle Foss, Jacobs			1110
8:30 AM – 9:20 AM	Considerations for Solids Handling Facility Improvements – Kenneth Schnaars, Brown and Caldwell			1210
9:40 AM – 10:30 AM	Reduce Polymer & Sludge Handling Costs With Nanobubble Conditioned Polymer Makedown Water Riley Murnane, Molear; Chris Maher, Clean Water Services			1310
10:40 AM – 11:30 AM	Operations Challenge: Why You Should Have a Team – David Leamer, Sacramento Area Sewer District			1410
11:40 AM – 12:30 PM	Data-Driven Initiatives at the FWRC: UV/Sand vs Ozone/Membrane Advanced Water Treatment Sujanie Abeyakoon, Clark County Water Reclamation District; Devon Morgan, Clark County Water Reclamation District			1510
2:00 PM – 2:50 PM	Phased Approach to Dryer Solids – Devry Faddis, Charter Machine Company			1710
3:00 PM – 3:50 PM	How Low Can You Go? Success Stories for Low UVT Wastewater UV Applications – Bree Trembly, Nuvonic UV			1810
WATER DISTRIBUTION		Ken Snow, Chair Steve Davis & Britt Klein, Co-Chair	GRAND BALLROOM B	SESSION
7:30 AM – 8:20 AM	Prevent Common Water Quality Issues with One Simple Solution... Mix It Up – Bethany Thompson, Kasco			1111
8:30 AM – 9:20 AM	Overcoming Water Quality Challenges in Pipeline Due to Conservation and Drought Measures Chris Castaing, San Diego County Water Authority			1211
9:40 AM – 10:30 AM	Integrating Valve Inspections with Pipeline Inspections Britt Klein, Pure Technologies and Wachs Water Services, Xylem Brands			1311
10:40 AM – 11:30 AM	Maintaining Your Distribution System (or Forcemain) and Preparing for New Water Supply Dane Whitmer, AMKA Services / Hydromeda			1411
1:00 PM – 1:50 PM	Considerations in Changing Customer Water Meter Technology – Stephen Davis, Metering Technology Consultants			1611
2:00 PM – 2:50 PM	What in the Dezincification? Comparison of Brass Alloys for the LVVWD Distribution Network Hannah Ray, Southern Nevada Water Authority			1711
3:00 PM – 3:50 PM	The Future of Non-Revenue Water Is in Your Pocket – Holly Cook, FIDO Tech; Phil Tomlinson, FIDO Tech			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

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TUESDAY, AUGUST 4, 2026



TECHNICAL PROGRAM

ELECTRICAL / INSTRUMENTATION & CONTROLS		Heath Szymanski, Chair Shane Hershey, Co-Chair	SONOMA B	SESSION
7:30 AM – 8:20 AM	Best Practices & Standards for UL508A Control Panel Design/Build/Test/Startup/Spec – Patrick Kelly, Felix Construction			1114
8:30 AM – 9:20 AM	Use of VFDs with High Efficiency Motors – Kirsten Trout, Nidec Drives			1214
9:40 AM – 10:30 AM	Smart Pumping Solutions – Brian Schreiber, Quantum Engineering, Inc.; Mark Reski, PE, GHCSIP, Quantum Engineering, Inc.			1314
10:40 AM – 11:30 AM	Electrical Trilogy - Safety Becomes Easy With Proper Installation and Maintenance Ralph Stevens, Facilitation Unlimited James Mcpherson, CTS International, Inc.			1414
1:00 PM – 1:50 PM	Electrical Harmonics and Options for Meeting IEEE-519 Requirements When Using a VFD – Doug Ryan, ABB Drives			1614
2:00 PM – 2:50 PM	Instrument Selection: Choosing the Right Technologies – Nick Hanson, Endress+Hauser			1714
3:00 PM – 3:50 PM	Cleaning Up Your Power System - How Harmonics and Distortions Affect Your W / WW Facility Chad Burks, Allient Power - TCI			1814
GROUNDWATER / RECHARGE		Geno Mammini, Chair Don Hanson, Co-Chair	NAPA C & D	SESSION
7:30 AM – 8:20 AM	Slug Tests to Optimize Groundwater Well Design – Geno Mammini, Geo-Logic Associates			1104
8:30 AM – 9:20 AM	Well, Well, Well, What Do We Have Here? Well Problems and Troubleshooting Strategies Nathan Nutter, CONSOR Engineers			1204
9:40 AM – 10:30 AM	Well Maintenance Essentials: Development, Rehabilitation, and Disinfection – Part I Edd Schofield, Johnson Screens; Mike Schnieders, Water Systems Engineering			1304
10:40 AM – 11:30 AM	Well Maintenance Essentials: Development, Rehabilitation, and Disinfection - Part II Mike Schnieders, Water Systems Engineering; Edd Schofield, Johnson Screens			1404
11:40 AM – 12:30 PM	Well Maintenance Essentials: Development, Rehabilitation, and Disinfection - Part III Edd Schofield, Johnson Screens; Mike Schnieders, Water Systems Engineering			1504
2:00 PM – 2:50 PM	Designing When Nature Calls the Shots at the Gilbert Riparian Preserve Rebecca Sydnor, Hazen and Sawyer; Steve Notch, Town of Gilbert			1704
3:00 PM – 3:50 PM	Managed Aquifer Recharge Methods and Applicability in the Greater Phoenix Area Daniel Garcia, Geo-Logic Associates			1804
LABORATORY		John Shephard, Chair Kyle Anders, Co-Chair	SONOMA A	SESSION
7:30 AM – 8:20 AM	Data Integrity & Ethics in the Laboratory – Michelle Wade, Wade Consulting and Solutions			1103
8:30 AM – 9:20 AM	Reliability and Defensibility of Analytical Data – Kellsie Freeman, ERA Waters			1203
9:40 AM – 10:30 AM	Understanding the Quality Control Requirements in Standard Methods Sections 2020 and 4020 Peter Strimple, Laboratory and Environmental Consulting			1303
10:40 AM – 11:30 AM	Defensible Method Detection Limits (MDLs) in Environmental Testing Nick Ross, Western Environmental Testing Laboratory			1403
1:00 PM – 1:50 PM	Understanding the Quality Control Requirements in Standard Methods Section 9020 Peter Strimple, Laboratory and Environmental Consulting			1603
2:00 PM – 2:50 PM	Enzymatic Methods for the Detection of Coliforms, E. coli, and HPC in Water – Shawn Dubois, IDEXX Laboratories			1703
3:00 PM – 3:50 PM	Profiling the Pedigree of a Sample – Paul Fjeldsted, Labworks LLC			1803
RECLAIM / REUSE		Erin Daugherty, Chair Coenraad Pretorius, Co-Chair	NAPA A & B	SESSION
7:30 AM – 8:20 AM	Achieving Future Capacity in Tertiary Filtration by Retrofitting Existing Infrastructure Kristy Chycota, Aqua-Aerobic Systems			1109
8:30 AM – 9:20 AM	Operating Experience with DAS, ABAC, and Sidestream Nutrient Removal at the Boulder WRRF Nathan Brown, Stantec			1209
9:40 AM – 10:30 AM	Water Reuse with Membrane Bioreactors: Strategies for Performance and Efficiency Chris Nally, Cloacina, LLC; Jake Lincoln, Cloacina, LLC			1309
10:40 AM – 11:30 AM	MBR Design-Build Startup Lessons Learned from a New and a Retrofit Project Manny Moreno, East Valley Water District; Jessie Arellano, Elsinore Valley Municipal Water district			1409
1:00 PM – 1:50 PM	Quintero Wastewater Treatment: Lowering Capacity of an Existing WWTP Leo Larson, Carollo Engineers; Carly Ashby, City of Peoria			1609
2:00 PM – 2:50 PM	Beyond the Black Box: Mastering MBR Operations in an Era of Automation and Workforce Transformation Brian Villacorta, Coombs Hopkins Company; Norman Woods, City of American Canyon			1709
3:00 PM – 3:50 PM	Recycled Water Reservoir Monitoring Via Drone – Lori Rigby, Irvine Ranch Water District			1809

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TUESDAY, AUGUST 4, 2026 

STORMWATER	Jennifer Davis, Chair Kevin Boesch, Co-Chair	GRANDVIEW LOUNGE	SESSION
7:30 AM – 8:20 AM	Invisible Pollution: Microplastics in the Waters Of the United States <i>Lissett Mayorga, City of Manteca; Jennifer Greenwood, City of Manteca</i>		1113
8:30 AM – 9:20 AM	Co-Creating the MS4 Stormwater Competency Model: Skills for a Stronger Workforce <i>Amesha Morris, Acorn EnviroComply LLC</i>		1213
9:40 AM – 10:30 AM	Harnessing Social Media for Effective MS4 Public Education Under NPDES <i>Maryella Begley-Garmon, PE, Digital Stormwater; Ty Garmon, Digital Stormwater</i>		1313
10:40 AM – 11:30 AM	Transformative Strategies for NPDES Compliance Through Educational Outreach <i>Patti Diaz-Zachary, Poseidon Education, LLC; Diego Diaz, Poseidon Education, LLC</i>		1413
1:00 PM – 1:50 PM	Updates to the Maricopa County Flood Control District Erosion Control Manual <i>Gabriel Green, Maricopa County Flood Control District</i>		1613
2:00 PM – 2:50 PM	Municipal Self-Audit and SWMP Updates: Centerville City MS4 Case Study <i>Ryan Curtin, SWCA Environmental Consultants</i>		1713
3:00 PM – 3:50 PM	Building a Regional Workforce for Green Infrastructure Operations and Maintenance <i>Dawn Petschauer, City of Pasadena, Department of Public Works; Sherreeta White, City of Pasadena, Department of Housing</i>		1813

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

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Hang on to your badge

ONCE THE SEMINAR IS OVER, YOU WILL NEED YOUR CONFIRMATION NUMBER TO RETRIEVE YOUR PDH CERTIFICATE.

#27
Smith & Loveless Inc
1/2H
1st Half



TECHNICAL PROGRAM

WEDNESDAY, AUGUST 5, 2026



MAINTENANCE		Dave Badgley, Chair Jason Badgley, Co-Chair	SHOWROOM	SESSION
7:30 AM – 8:20 AM	Lift Station Design Manual: Overview and Why it is Needed – Erick Miller, City of Reno			2106
8:30 AM – 9:20 AM	Automated BioAugmentation: Collection System, Odors, FOG, Sludge, Retention Ponds & Lakes Jim Anderud, Permidian Technologies LLC			2206
9:40 AM – 10:30 AM	Reducing Corrosion, Exfiltration, Infiltration, Inflow, & Odors in Manholes-Utility Vaults David Badgley, Badgley & Assoc & Performance Pipeline Technologies			2306
10:40 AM – 11:30 AM	Practical Applicability and Hands on Use of Portable Gas Detection Equipment Gregory Khair, West Coast Equipment & Safety Supply			2406
11:40 AM – 12:30 PM	Demands for High Performance Speciality Coatings – Gregory Wallace, Imerys			2506
2:00 PM – 2:50 PM	Jeopardy: Functions of Water & Wastewater Air Valves – Crystal Flitton, GSM Arizona			2706
3:00 PM – 3:50 PM	Water Tanks 101: Avoiding Maintenance Issues Through Proper Design & Condition Assessments Randy Moore, TankPlanH2O			2806
WASTEWATER COLLECTION		Brandon Martinez, Chair Andy Keller, Co-Chair	GRAND BALLROOM A	SESSION
7:30 AM – 8:20 AM	SoCal Utility Improves Manhole Rehab Decisions with LiDAR and 360° Video Digital Twins Jason Lake, RH Borden			2102
8:30 AM – 9:20 AM	Breaking the Corrosion Cycle: 100-Year Manhole Performance on a Large-Diameter Interceptor Alena Mikhaylova, NWPX Geneva			2202
9:40 AM – 10:30 AM	The Future of Manhole Covers: CAP Innovative Approach – Chad Nunnery, Composite Access Products (CAP)			2302
10:40 AM – 11:30 AM	Confined Space and Trenching and Shoring Safety – Jerry Weimer, Jerry Weimer Consulting; Dennis Pivin, SAK			2402
11:40 AM – 12:30 PM	The Evolution of Force Main Materials and the Technology that Shaped the Modern Technology Steve Burks, CPM Pipelines; Mark Messenger, CPM Pipelines			2502
2:00 PM – 2:50 PM	Mastering Underwater Vacuuming with Combination Sewer Cleaning Units Rusty Nezat, Nezat Training and Consulting, Inc.			2702
3:00 PM – 3:50 PM	Inspection of PHX SROG Sewer Pipelines and APS WRSS Power Plant Reclaimed Water Pipelines Britt Klein, Pure Technologies and Wachs Water Services, Xylem Brands			2802
WASTEWATER TREATMENT		Frederick Tack, Chair Sidney Innerebner, Co-Chair	SONOMA C & D	SESSION
7:30 AM – 8:20 AM	BOD: A Breakdown of Methodology, Limitations, and Value in Wastewater Treatment Lance Mason, Brown and Caldwell			2110
8:30 AM – 9:20 AM	Surfactant Monitoring and Mitigation Strategies for Wastewater Treatment Plants Rasha Maal-Bared, CDM Smith			2210
9:40 AM – 10:30 AM	Chlorination in Wastewater Treatment – Shawn Powell, The Wastewater Enthusiast			2310
10:40 AM – 11:30 AM	The Power of Microbiology in Wastewater Treatment – Steve Leach, Leach Microbial Consulting			2410
11:40 AM – 12:30 PM	Anaerobic Digestion: Back to Fundamentals – Sidney Innerebner, Indigo Water Group			2510
2:00 PM – 2:50 PM	Decoupling SRTs: Innovative Strategies for Advanced Nutrient Removal – Halley Pierce, World Water Works			2710
3:00 PM – 3:50 PM	Seeding a New Bioreactor: How Much Time Should You Build Into a Start-up Specification? John Hulett, Washoe County Community Services Department			2810
WATER DISTRIBUTION		Ken Snow, Chair Steve Davis & Britt Klein, Co-Chair	GRAND BALLROOM B	SESSION
7:30 AM – 8:20 AM	Transforming Water Distribution Monitoring: Smart Meters as Continuous Network Sensors Tracy Hernandez, Kamstrup			2111
8:30 AM – 9:20 AM	Understanding System Pressure and Leak Detection on Non-Revenue Water Loss Kevin Barnes, Fluid Conservation Systems			2211
9:40 AM – 10:30 AM	Why “Good Enough” Is Costing Utilities More Than They Think – Nick Sigelakis, Spartan Fire Hydrants			2311
10:40 AM – 11:30 AM	Modern Reservoir Inspections Using Remotely Operated Vehicles (ROVs) Ryan Ciotti, AquaVision Diveless Tank Solutions; Adam Ciotto, AquaVision Diveless Tank Solutions			2411
1:00 PM – 1:50 PM	Saving Money Using Line Stops, Hot Taps, Valve Insertions & Pipe Freezing – Steve Helm, Tap Master Inc.			2611
2:00 PM – 2:50 PM	What to Expect from your Water Distribution CMAR – Nathan Antonneau, Archer Western Contractors			2711
3:00 PM – 3:50 PM	Drip by Drip, Bit by Bit: 8 Data Sets Driving Water Conservation – Eric Larson, Badger Meter			2811

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

WEDNESDAY, AUGUST 5, 2026 

ELECTRICAL / INSTRUMENTATION & CONTROLS		Heath Szymanski, Chair Shane Hershey, Co-Chair	SONOMA B	SESSION
7:30 AM – 8:20 AM	The Shift to Software? Defined Automation in Water & Wastewater – Kyle Sanders, Schneider Electric			2114
8:30 AM – 9:20 AM	From Air Gaps to Secure Connectivity: Applying IEC 62443 to Modern Water SCADA and IIoT Christian Heilman, CIMON Inc.			2214
9:40 AM – 10:30 AM	SCADA Modernization: Migrating from Legacy Systems – Brian Schreiber, Quantum Engineering, Inc.			2314
10:40 AM – 11:30 AM	An In-Depth Review of GIS Tools and Functionality for Utilities Julia Wolanski, T&M Associates; Tina Heath, T&M Associates			2414
1:00 PM – 1:50 PM	Open Automation: Paving The Way for Water's Interoperable, Modular Future Joberto Lee, Enterprise Automation			2614
2:00 PM – 2:50 PM	Secure by Default: Hardening Industrial Automation Systems Ahmik Hindman, Rockwell Automation			2714
3:00 PM – 3:50 PM	Who is Really in Charge? Maintaining Human Control in an Automated World Aaron Szalaj, Stanley Consultants; Heath Jeppson, Stanley Consultant			2814
ENVIRONMENTAL COMPLIANCE / PRETREATMENT		Nicole deMoet, Chair Stephanie Pezzelle, Co-Chair	NAPA C & D	SESSION
7:30 AM – 8:20 AM	Thinking Like an Environmental Regulator: Role Playing for Success Abby Holovach, Vibe Environmental			2107
8:30 AM – 9:20 AM	Fats, Oils, and Grease Control Program Development and Inspection Training Joe Jenkins, EEC Environmental; Baltazar Maldonado, EEC Environmental			2207
9:40 AM – 10:30 AM	Innovative Inspection Strategies for Fats, Oils & Grease and Industrial Pretreatment: How to create an EPA Compliant FOG Program – Tony Cole, BMP Compliance Software; Sam McLeod, BMP Compliance Software			2307
10:40 AM – 11:30 AM	Adsorbents in WWTPs for Metals Discharge Compliance - What to Consider Bennett Buchsieb, Graver Technologies			2407
11:40 AM – 12:30 PM	Piloting to Performance: Unlocking the Power of Ion Exchange – Cathy Swanson, Ecolab; Dan Teeters, Ecolab			2507
2:00 PM – 2:50 PM	Water Treatment Plant Residuals Discharge to the POTW: A Case Study Kayla Sibigroth, LS Pretreatment Consulting LLC; Dave Louch, LS Pretreatment Consulting LLC			2706
3:00 PM – 3:50 PM	Transforming Water Utilities: How Surprise, Arizona Modernized Environmental Compliance Matthew Grewe, NJBSoft LLC			2806
ENVIRONMENTAL HEALTH / SAFETY & SECURITY		Jon Cordoba, Chair Richard Rogowski, Co-Chair	NAPA A & B	SESSION
7:30 AM – 8:20 AM	Safety – We Have Met the Enemy and He is Us Ralph Stevens, Facilitation Unlimited; James Mcpherson, CTS International, Inc.			2108
8:30 AM – 9:20 AM	Flip the Script - Challenging Traditional Safety Methods and Their Negative Impact Amber Pappas, Safety Help Today			2208
9:40 AM – 10:30 AM	A Tale of Two Pests: The EHS Impact of Sodium Hypochlorite & Cryptosporidium Nicholas Sexton, Liberty Mutual Insurance			2308
10:40 AM – 11:30 AM	How to Talk With AH's? – Eldeen Pozniak, Diggins Safety Consulting			2408
1:00 PM – 1:50 PM	Gas Monitor Training – Jason Call, TINOSI, Inc.			2608
2:00 PM – 2:50 PM	Protecting Wastewater Workers by Categorizing Risks of Pathogen Exposures – Rasha Maal-Bared, CDM Smith			2708
3:00 PM – 3:50 PM	Confined Space or Just a Space with Hazards? Common Misconceptions That Lead to Compliance Michael Vaughn, Safety Help Today			2808
STORMWATER		Jennifer Davis, Chair Kevin Boesch, Co-Chair	GRANDVIEW LOUNGE	SESSION
7:30 AM – 8:20 AM	Closing the Gap: Smarter Stormwater Operations and Maintenance Strategies Jake Jacobson, Oldcastle Infrastructure			2113
8:30 AM – 9:20 AM	Proactive Outfall Inspection and Maintenance Program to Achieve MS4 Permit Requirements Devin Darrow, Riverside County Flood Control and Water Conservation District			2213
9:40 AM – 10:30 AM	A City Approach to Bioretention Construction Inspections – Aaron Nunez, City of Santa Rosa			2313
10:40 AM – 11:30 AM	Wildfire Informed BMP Design: Pasadena's Brookside Park Stormwater Capture Yvana Hrovat, Black and Veatch; Brianna Datti, Craftwater			2413
1:00 PM – 1:50 PM	Design, Construction, and Maintenance of Underground Modular Storage Systems Joshua Venters, Core & Main / ACF West			2613
2:00 PM – 2:50 PM	Stormwater Compliance Across Boundaries: Coordinating Multi-Jurisdiction Projects Amesha Morris, Acorn EnviroComply LLC			2713
3:00 PM – 3:50 PM	The Often Missed and Disregarded Nuance of SWPPP Inspections James Cooper, SWCA Environmental Consultants			2813

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

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WEDNESDAY, AUGUST 5, 2026



SURFACE WATER / WATER TREATMENT		Blake Gonska, Chair Steven Winfree, Co-Chair	SONOMA A	SESSION
7:30 AM – 8:20 AM	Microbial and Biogeochemical Drivers of Pathogen Ecology in Geothermal Hot Springs <i>Brooke Stemple, Southern Nevada Water Authority; Katherine Crank, Southern Nevada Water Authority</i>			2112
8:30 AM – 9:20 AM	Reverse Osmosis and Granular Activated Carbon for PFAS, TCE, and 1,2,3-TCP Compliance <i>Raul Arevalo, Inland Empire Utilities Agency</i>			2212
9:40 AM – 10:30 AM	Chloramination: Beyond the Basics – <i>Vadim Malkov, Hach</i>			2312
10:40 AM – 11:30 AM	Bridging PFAS Compliance Gaps: Pilot-Proven Treatment and Interim Full-Scale Operation <i>John Dyson, Aqua-Aerobic Systems, Inc.</i>			2412
1:00 PM – 1:50 PM	Using Disinfection Evaluation to Balance Microbial and Disinfection Byproducts Compliance <i>Jasmina Markovski, Consor; Frederick Tack, Consor</i>			2612
2:00 PM – 2:50 PM	Advanced PFAS Regeneration: Centralized Treatment – <i>Nicole Bolea, Tonka Water, Kurita</i>			2712
3:00 PM – 3:50 PM	Brine-Free Nitrate and Arsenic Removal Using Biological and Filtration Processes <i>Jasmina Markovski, Consor; Ali Dori, Microvi</i>			2812

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#39
Golden Sun Marketing
1/4V
1st Half

#25
TruGrit Traction Inc
1/4V
1st Half

TECHNICAL PROGRAM

THURSDAY, AUGUST 6, 2026 

MAINTENANCE		Dave Badgley, Chair Jason Badgley, Co-Chair	SHOWROOM	SESSION
7:30 AM – 8:20 AM	Working Smarter, Not Harder: Practical eO&M Strategies for Utility Operations – Jason Joynes, Hazen and Sawyer			3106
8:30 AM – 9:20 AM	The Use of Diagnosing Tools for Reliability Centered Maintenance <i>Ralph Stevens, Facilitation Unlimited; James Mcpherson, CTS International, Inc.</i>			3206
9:40 AM – 10:30 AM	Essential Maintenance and Best Practices for Industrial Gearboxes & Pump – Tony Clark, National Gear Repair			3306
10:40 AM – 11:30 AM	Vibration Prognosis of a Sewage Pumping Station – Geert Van Rijswick, Condition Monitoring Services, LLC			3406
11:40 AM – 12:30 PM	Polymer Concrete Structural Rehab Inserts – Tom LaRue, Armorock; Drew Tanner, Armorock			3506
2:00 PM – 2:50 PM	Solving Infiltration and Corrosion Problems in Sewer Structures <i>Laura Middlemas, CIP Construction Technologies; Jim Swain, CIP Construction Technologies</i>			3706
3:00 PM – 3:50 PM	Advancements in Maintenance Hole Cover Adjusting to Grade, Reducing Corrosion and Inflow <i>Michael Hook, Cretex Specialty Products</i>			3806
WASTEWATER COLLECTION		Brandon Martinez, Chair Andy Keller, Co-Chair	GRAND BALLROOM A	SESSION
7:30 AM – 8:20 AM	Hydraulic Odor & Corrosion Control in Sewer Drops – Kerry Koressel, IPEX USA, LLC			3102
8:30 AM – 9:20 AM	Concept to Completion: Septic to Sewer <i>Akash Sehdev, Clark County Water Reclamation District; Cody Freschette, Clark County Water Reclamation District</i>			3202
9:40 AM – 10:30 AM	Evaluation and Comparison of Recycling Combination Sewer Cleaning Trucks <i>Mike Ambroziak, AMKA Services; Barrett Brickner, City of Mesa</i>			3302
10:40 AM – 11:30 AM	Data Science for Gravity Main Cleaning Efficiency – Lars Stenstedt, V & A Consulting Engineers			3402
11:40 AM – 12:30 PM	An Alternative Solution Brings Collection System Success – Jill Davis, Environment One Corporation			3502
2:00 PM – 2:50 PM	Beyond Pass/Fail: How High-Resolution Forcemain Inspection Improves Risk & Rehabilitation <i>David Snow, CPM Pipelines</i>			3702
3:00 PM – 3:50 PM	Precast Polymer Concrete Manholes - The Easy Button for Corrosion Control <i>Dan Brauch, Olson Precast Company Polymer Concrete</i>			3802
WASTEWATER TREATMENT		Frederick Tack, Chair Sidney Innerebner, Co-Chair	SONOMA C & D	SESSION
7:30 AM – 8:20 AM	Process Intensification in Municipal Wastewater Treatment: Technology Pathways (101) <i>Yasaman Saedi, Stantec; Chris Machado, Stantec</i>			3110
8:30 AM – 9:20 AM	Screenless IFAS System Eliminates Media Loss and Reduces O&M Costs for the City of Peterborough <i>Lauren Takitch, Entex Technologies; Frank Jeffries, Entex Technologies</i>			3210
9:40 AM – 10:30 AM	Advantages of Time-Based Treatment in Process Intesification – Brett Quimby, Aqua-Aerobic Systems, Inc.			3310
10:40 AM – 11:30 AM	Low Build Wastewater Intensification Enhances BNR with Mobile Organic Biofilm™ at TMWRF <i>Savanna Haygood, Nuvoda</i>			3410
11:40 AM – 12:30 PM	Treating Wet-Weather Flows: When High-Rate Treatment Outperforms Storage <i>Vedansh Gupta, Aqua-Aerobic Systems, Inc.</i>			3510
2:00 PM – 2:50 PM	Bringing Aerobic Granular Sludge (AGS) to Continuous Flow Treatment Plants – Kevin Bunting, Parkson Corporation			3710
3:00 PM – 3:50 PM	Bridging the Gap: Retrofitting Infrastructure with Cloth Filters for Reuse & Nutrients <i>Cornelius Strain, Nexom; Nick Ellis, Nexom</i>			3810
WATER DISTRIBUTION		Ken Snow, Chair Steve Davis & Britt Klein, Co-Chair	GRAND BALLROOM B	SESSION
7:30 AM – 8:20 AM	Connected & In Control: AMI Communication Strategies Across Western US <i>Ken Gaspar, Neptune Technology Group</i>			3111
8:30 AM – 9:20 AM	Repair Aging Water Utility Infrastructure: Addressing the Weak Link in Network Resilience <i>Shawn Petty, Advanced Valve Technologies</i>			3211
9:40 AM – 10:30 AM	The New AMI Beyond Metering – Clint Lake, AV Water Technologies			3311
10:40 AM – 11:30 AM	Managing AMI for the Long Run: Maintenance, Reliability, and Asset Performance <i>Celine Vu, USG Water Solutions; Andre Noel, USG Water Solutions</i>			3411
1:00 PM – 1:50 PM	Solutions for Control - Insertion valves – Michael Urwin, Hydra-Stop			3611
2:00 PM – 2:50 PM	Smart Tanks: Distribution System-Based Water Treatment – Kevin Sanner, Cleanwater1			3711
3:00 PM – 3:50 PM	Polyurethane Coatings: Establishing Design Life Expectations for Potable Water Mains <i>Brian Cheshire, Henkel; Mario Moreno, Henkel</i>			3811

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 6, 2026



BACKFLOW PREVENTION		Nathan Ellis, Chair Kevin Neal, Co-Chair	SONOMA B	SESSION
7:30 AM – 8:20 AM	Overcoming Challenges for Backflow Tester Certification – Chris Castaing, San Diego County Water Authority			3101
8:30 AM – 9:20 AM	Troubleshooting Made Easy – Chris Castaing, San Diego County Water Authority			3201
9:40 AM – 10:30 AM	Backflow Assembly Testing; Repairs or Installation - What Could Possibly Go Wrong? Robert Purzycki, Backflow Apparatus & Valve Company			3301
10:40 AM – 11:30 AM	Cross Connection Specialists Reality Check - Kenneth Ashlock, Cross Connection Environmental			3401
1:00 PM – 1:50 PM	How Backflow Tester Ethics Can Impact Your Cross Connection Control Program Chris Castaing, San Diego County Water Authority			3601
2:00 PM – 2:50 PM	Fire System Backflow Assembly Upgrade and Installation Nightmares Robert Purzycki, Backflow Apparatus & Valve Company			3701
3:00 PM – 3:50 PM	The Cross Connection Control Picture Is More Than Just Passing Backflow Tests Kevin Neal, City of Upland Public Works; Nathan Ellis, GSE Construction			3801
ENVIRONMENTAL COMPLIANCE / PRETREATMENT		Nicole deMoet, Chair Stephanie Pezzelle, Co-Chair	NAPA C & D	SESSION
7:30 AM – 8:20 AM	Anaheim Sets the Standard for the Nation's Largest PFAS Cleanup Justin Ballew, MWH Constructors; Kyle Nelson, Brown and Caldwell			3107
8:30 AM – 9:20 AM	Navigating Microplastics: Practical Insights for Today's Utilities – Heather Jennings, Ecolab			3207
9:40 AM – 10:30 AM	The Colors of Wastewater: A Visual Journey – Chelsey McClusky, City of Phoenix			3307
10:40 AM – 11:30 AM	Arizona's Collaborative Model for Wastewater Monitoring and Response Chelsi White, Maricopa County Department of Public Health; Patrick Montine, Arizona Department of Health Services			3407
11:40 AM – 12:30 PM	ADEQ's PFAS Progress: Regulatory, Statewide Sampling, and Mitigation Project Advances Matt Olson, Arizona DEQ; Sara Konrad, ADEQ			3507
2:00 PM – 2:50 PM	Dirty Deeds Done Doo Doo Cheap: Hauled Waste Program – Jolene Montoya, City of Flagstaff			3707
3:00 PM – 3:50 PM	Integrated Technology for BioAugmentation in Industrial and Pretreatment Applications Jim Aanderud, Permidian Technologies			3807
ENVIRONMENTAL HEALTH / SAFETY & SECURITY		Jon Cordoba, Chair Richard Rogowski, Co-Chair	NAPA A & B	SESSION
7:30 AM – 8:20 AM	Arc Flash & Electrical Safety: A Review of NFPA 70E – Alec VandenBroeck, ATM Electric			3108
8:30 AM – 9:20 AM	Third Party Rescue and Rope Access in Water Treatment Facilities Damian Noe, American Rescue and Safety; Josh Parafanik, American Rescue and Safety			3208
9:40 AM – 10:30 AM	Hazards or Habits - What Really Causes Injuries? Managing Routine Tasks in Water, Wastewa David Silva, Silva Performance Systems, Inc.			3308
10:40 AM – 11:30 AM	Invisible Threats: Environmental Toxicology as a Business Risk for Utilities – Adrienne Pearson, Evolving EHS			3408
1:00 PM – 1:50 PM	Heat Stress Enforcement... So Hot Right Now – Russell Duren, Nikkiso Cryo, Inc.			3608
2:00 PM – 2:50 PM	Stop, Collaborate and Listen – Tim Page-Bottorff, Safestart			3708
3:00 PM – 3:50 PM	The Promotional Pitfall - From Top Tech to Struggling Supervisor and How to Fix it David Silva, Silva Performance Systems, INC; Mary Silva, Crum and Forster			3808
LEADERSHIP DEVELOPMENT		Brett Offerman, Chair Lisa Farinas & Nick Hollon, Co-Chair	GRANDVIEW LOUNGE	SESSION
7:30 AM – 8:20 AM	4 Principles of Employee Buy-In – Kamryn Johnson, Kaddy OHS			3105
8:30 AM – 9:20 AM	Emotional Intelligence: Tools for Self- and Relationship Management – Keli Callahan, Stantec			3205
9:40 AM – 10:30 AM	Career Management and Interviewing 101 - 3.0 – Chris Castaing, San Diego County Water Authority			3305
10:40 AM – 11:30 AM	The Future of Water Industry Leadership: Shaping Tomorrow's Water Stewards Patti Diaz-Zachary, Poseidon Education, LLC; Diego Diaz, Poseidon Education, LLC			3405
1:00 PM – 1:50 PM	Leading from the Inside Out: Practical Leadership for Utility Professionals – Jason Joynes, Hazen and Sawyer			3605
2:00 PM – 2:50 PM	The Operator's 10 Competency Objectives Learned at Tristate, Applied at Elsinore Valley Manny Moreno, East Valley Water District; Jessie Arellano, Elsinore Valley MWD			3705
3:00 PM – 3:50 PM	Bridging the Gap: Building Strong Worker-Management Relationships in Water Utilities Gary Matthews, Sussout IIc; Earl Doyle, Sussout LLC			3805

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TECHNICAL PROGRAM

THURSDAY, AUGUST 6, 2026 

SURFACE WATER / WATER TREATMENT		Blake Gonska, Chair Steven Winfree, Co-Chair	SONOMA A	SESSION
7:30 AM – 8:20 AM	Why Mix? The Key Benefits and Technology behind Reservoir Mixing – David Hartwig, D&H Water Systems			3112
8:30 AM – 9:20 AM	Designing, Fabricating and Installing a Chemical Feed System for Your Application Tommy Hartwig, D&H Water Systems			3212
9:40 AM – 10:30 AM	Optimizing PFAS Removal: Continuous Ultra-Filtration with In-Situ CAC Brian Butters, Purifics Water; Tony Powell, Purifics Water			3312
10:40 AM – 11:30 AM	Operating the First Groundwater Biological Nitrate Removal in Arizona, 3 Years On Leonard Scheid, City of Goodyear, AZ; Chad Coleman, City of Goodyear, AZ			3412
1:00 PM – 1:50 PM	Removing Arsenic from Challenging Groundwater Sources Using a Filter Aid Polymer Jason Hanania, ATEC Water Systems; Daniel Miller, ATEC Water Systems			3612
2:00 PM – 2:50 PM	UV Disinfection in Public Water: Guidance, Fundamentals & Applications – Patrick Bollman, Xylem Inc.			3712
3:00 PM – 3:50 PM	The Role of Carbon Dioxide in Corrosion Control – Camila Hess, TOMCO Systems Company			3812
CYBER SECURITY/PLC/SCADA		Heath Szymanski, Chair Shane Hershey, Co-Chair	MONTEREY BAY	SESSION
7:30 AM – 9:20 AM (2 class periods)	Why Utilities Are Using Asset Management: Regulations, Staffing, and Aging Infrastructure Julia Wolanski T&M Associates, Tina Heath T&M Associates			3115
9:40 AM – 11:30 AM (2 class periods)	Change Management: Getting Buy-In from Operators, Engineers, and Management Julia Wolanski T&M Associates, Tina Heath T&M Associates			3315
11:40 AM – 12:30 AM	Water/Wastewater Operator Cyber Awareness Training – Jeremy Smith, West Yost			3515
2:00 PM – 2:50 PM	Digital Twin Integration with SCADA for Predictive Maintenance – Brian Schreiber, Quantum Engineering			3715
CYBER SECURITY/PLC/SCADA		Heath Szymanski, Chair Shane Hershey, Co-Chair	HALF MOON BAY	SESSION
7:30 AM – 8:20 AM	Zero Trust: Thwarting Man-in-the-Middle Attacks on PLCs – Ahmik Hindman, Rockwell Automation			3116
8:30 AM – 9:20 AM	Tomorrowland's SCADA System Today – Katie Zhuk, Inductive Automation			3216
9:40 AM – 10:30 AM	SCADA Standards Matter: Designing, Operating, and Sustaining Smarter Water Systems Adam Strickland, Brown and Caldwell			3316
10:40 AM – 11:30 AM	Maximum Security: How To Design Reliable Enterprise OT Networks That Scale Will McCloud, Enterprise Automation			3416
11:40 AM – 12:30 PM	Practical Artificial Intelligence in Water Distribution And Wastewater Collection Analysis – Ken Hayes, Core & Main			3516
2:00 PM – 2:50 PM	What Every Water Utility Should Know About Cyber Security - Minutes Matter, Seconds Count Anthony Jacquez, Borderstates			3716

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

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

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ONCE THE SEMINAR IS OVER, YOU WILL NEED YOUR CONFIRMATION NUMBER TO RETRIEVE YOUR PDH CERTIFICATE.

