CEUs Awarded - Washington 2.0 DW, listed as variable, WW not yet awarded Idaho accepts CEUs awarded by Oregon and Washington

Morning				Wednesday, May 1 M	orning Pre-Conference Seminars		idano accepts Ct	EUs awarded by Oregon and Washingtor
Room	102 C/D - 100		201 A/B/C- 100	202 A/B/C - 100	•	Meet in Lobby		
Hosting Committee	Conservation		Distribution	Water Resources		Treatment & Wastewater		
Moderator	Dan Denning		Doug Kubik	Andrew Austreng		Tessora Young		
Theme	Water Efficiency Solutions for Commercial Properties - Part 1		Operator Skills Part 1 – Math for Operators	Water Supply and ASR Permitting		Off-Site Tour		
8:30	99a-Intro to Water			87-Well Electric Well Station Assessment – Evaluating Options for Increasing its Reliable Production Capacity, Kenny Janssen (30) DW		62 Tour of Spokano's Pivorsido Park		
9:00	Efficiency Solutions for Commercial Properties, Annikki Chamberlain (60) DW		18 - Math for Operators, Jeff Lundt (3 hours) DW/WW	48-PFAS Regulation and Implications for Aquifer Storage and Recovery (ASR) and Artificial Recharge (AR) Projects: Data Review, Management Strategies, and Case Studies, Matt Kohlbecker (30) DW		63-Tour of Spokane's Riverside Park Water Reclamation Facility, Tessora Young (3 hours, off site) DW/WW		
9:30 - 9:45 Break								
9:45	99b-Meters, submeters			92-Pilot Testing Supports ASR Decision Making, Lee Odell (30) DW				
10:15	and deduct meters, oh my!, Annikki Chamberlain (60) DW			148-Permitting Considerations for ASR Source Water, Andrew Austreng (30) DW				
10:45 - 11:00 Break								
11:00	86-Water meters can't find water main line leaks, can they? You bet they can!, Graham Mattison (60) DW			52-Municipal Water Supply Source Development and Regulatory Considerations, Patrick Cabbage (30) DW				
11:30	99c-Leak Detection on Commercial Properties, Annikki Chamberlain (30) DW			178-Water Quality Challenges and Solutions for ASR Systems, DeEtta Fosbury (30) DW				
		Drinking Water CEUs only	Wastewater CEUs only					

CEUs Awarded - Oregon - 1.9 DW, 1.9 WW CEUs Awarded - Washington 2.0 DW, listed as variable, WW not yet awarded

Idaho accepts CEUs awarded by Oregon and Washington

Afternoon			dnesday, May 1 Afternoon Pre-Conference Seminars		
Room	102 C/D - 100	201 A/B/C- 100	Meet in Lobby	206 A/B - 100	206 C/D - 100
Hosting Committee	Conservation	Distribution	Water Resources	Treatment	Engineering
Moderator	Brittany Contresas	Tonya Reiss	Kenny Janssen	Milt Larson	Nicholas Augustus
Theme	Water Efficiency Solutions for Commercial Properties - Part 2	Operator Skills Part 2 - Understanding Process Control & Diagrams	Off-Site Tour WR	PFAS Treatment	Seismic/Resilience Planning and Projects
1:00	99d-Commercial Irrigation Efficiency, Annikki	19 - Reading Process & Instrumentation Diagrams, Jeff Lundt (3 hours) DW/WW	83-City of Spokane Well Electric Wel Station and Water System Field Trip		8 - Long Term Seismic Resilience Master Planning, Negar Niakan (30) DW
1:30	Chamberlain (60) DW/WW		Seth McIntosh (3 hour tour) DW	46-PFAS in Potable Reuse, Kyle Thompson (30) DW	152 - Seismic Piping 101, Daniel Shafar (30) DW
2:00 - 2:15 Break					
2:15	99e-Commercial Heating and Cooling System			104-Centralized Treatment to Removes PFAS and Nitrate in Tustin, CA, Esther Chang (30) DW	128 - Challenges of Routing and Designing a 66" Seismically Resilient Pipeline: Liquefaction Risks, Alignment Alternatives, and Deep Soil Mixing on the WWSP Pipeline, Kelli Barton (30) DW
2:45	Efficiency, Annikki Chamberlain (60) DW/WW			118-A Utility's Journey to Treat Rising PFAS Concentrations: Emergency Treatment Implementation While Design of Permanent Treatment Facility is Underway, Amy Gao (30) DW	12 - Lessons Learned about Seismic Certification to Help Your Equipmen Operate Post-Earthquake Event, Mike Britch (30) DW
3:15 - 3:30 Break					
3:30	99f-Field Evaluation of a Commercial Property, Annikki Chamberlain (60)			130-Navigating PFAS Treatment Technology Decisions, Cynthia Yeage (30) DW	68 - Oregon City Henrici Reservoir Rehabilitation – Extending the Service Life of Welded Steel Potable Water Storage Tanks, Justin Ford (30) DW
4:00	DW/WW			175-GAC and IX for PFAS Removal: A review of recent case studies, Eli Townsend (30) DW	160 - Getting Ready for the Big One Seismic Upgrades at a 255 MGD WTP, Tyler Bird (30) DW

CEUs Awarded - Washington 2.0 DW, listed as variable, WW not yet awarded Idaho accepts CEUs awarded by Oregon and Washington

Morning	Idaho accepts CEUs awarded by Oregon and Washington Thursday, May 2 Early Bird Sessions													
Room	102 C/D - 100	102 A/B - 100	201 A/B/C- 100	202 A/B/C - 100	203 - 50	205 - 50	206 A/B - 100	206 C/D - 100						
Hosting Committee	Public Information	Water Quality	Distribution	Research	Utility Management	Diversity, Equity, Inclusion and Belonging	Treatment	Engineering						
Moderator	Tacy Steele	Mia Vijanderan	Dave Stanley	Doug Lane	Mike Grimm	Chris Young	Tyler Kurtz	Taylor Stockton						
7:00	177-Will AI Replace or Enhance Public	176-Washington Regulatory Update, Mike Means (30) DW	165-Flow and Function: Facets of Large Vertical Pumps, Motors, and	43-Water Treatment Media Design and Evaluation - Screening Method Limitations and Proper Pilot Trial Design, Neal Megonnell (30) DW/WW	101-Holistically Evaluating Staffing Needs, Emily Palmer (30) WW	132 - Implementing DEI Initiatives in your Water Utility, Kyle Bayer (60) DW/WW	113-To Pilot or not to Pilot? PFAS	6-Essentials for the Design & Specification of Earthquake Resistant Ductile Iron Pipe, John Kitchen (30) DW/WW						
7:30	Communication?, Kristen Zimmer (60) DW/WW	126-Oregon Regulation Update, Michelle Byrd (30) DW	VFDs, Jennifer Murphy (60) DW/WW	107-Side-by-side Comparison of Online Monochloramine Analyzers, Mojtaba Azadiaghdam (30) DW/WW	82-Broadening our SCOPE – Growing Industry Involvement in the STEM Educational Experience, Maricris Eleno-Orama (30) WW		your Water Utility, Kyle Bayer (60) DW/WW Studies, Amy Gao (60) D' STEM ricris	Pilot Testing Approaches and Case Studies, Amy Gao (60) DW	11-Seismic Design Alternative for Ductile Iron Boltless Segment Pipe Joints to Address Schedule Issues and Improve Installation Flexibility, Mike Britch (30) DW/WW					
Morning				Thursday, May 2	Morning Technical Sessions	•								
Room	102 C/D - 100	102 A/B - 100	201 A/B/C- 100	202 A/B/C - 100	203 - 50	205 - 50	206 A/B - 100	206 C/D - 100						
Hosting Committee	Conservation	Water Quality	Distribution	Water Resources	Utility Management	Diversity, Equity, Inclusion and Belonging	Research & Treatment	Engineering						
Moderator	Danlyn Brennan	Mia Vijanderan	Dave Stanley	DeEtta Fosbury	Theresa Jurotich	Chris Young	Brian Smith	Greg Loscher						
8:30	170-Fixing Leaks, Saving Wallets: Tacoma's Water Service Line Grant and Loan Program, Tyler Cummings (30) DW	27-Lead and Copper Rule Revision: Idaho Primacy and Beyond the	140a-Hands-On w/ Hydraulic 162-Enhancing Control Valves: Function, Steve Willamette River	140a-Hands-On w/ Hydraulic						162-Enhancing Protection of the	164-Aligning Your Top Projects with Federal Funding Priorities, Kim Pugel (30) DW/WW	9-What Makes an Award-Winning Diversity Equity & Inclusion (DEI) Program?, Ann Hajnosz (30) DW/WW	60-Four Tenets of Pressure Vessel Design - What to Consider on Your Next GAC or IX Treatment System,Richard (Bo) Botteicher (30) DW	157-Alternative Delivery: Another Tool in the Toolbox to Get Projects Done, Patrick Weber (30) DW/WW
9:00	54-Water Providers Uniting to Conserve Water on Oregon's Mid-Coast, Suzanne de Szoeke (30) DW	Inventory, Cassandra Lemmons (60)		Watershed, Jacob Krall (60) DW	145-External Funding Opportunities to Reduce Project Financing Costs, Seema Chavan (30) DW/WW	20-From Raindrops to Rivers: Nurturing Diversity, Equity, and Inclusion in the Pacific Northwest's Water Journey, Courtney Thomas (30) DW/WW	85-The Evolution of Membrane Filtration for Water Treatment, Bryan Black (30) DW	2-Lightning Fast! How alternative delivery speeds up projects, and stories of when it doesn't, Nicholas Augustus (30) DW/WW						
9:30 - 9:45 Break														
9:45	16-Uniting for a Common Goal: Regional Partnerships in Water Conservation, Cody Scoggins (30) DW	32-PFAS - Proposed rule, UCMR5 and Idaho Sampling Project, Cassandra Lemmons (30) DW	140b-Hands-On w/ Hydraulic Control Valves: Maintenance, Steve	10-Current and Future Trends in Source Water Protection Planning, Rob Annear (30) DW	173-Forging the Future: Aligning Mission, Vision, and Values to Set Organizational Direction, Paul	30-From 2 to 200: how we grew an internal network to support digital accessibility at the City of Portland, Penny Milton (30) DW/WW	98-Operational Conditions to Reduce Colloidal & Biological RO Fouling Downstream of Flat-Plate MBR Membranes for Potable Reuse Applications, Katrina Messologitis (30) DW	151-Using Progressive Design-Build to Improve Operations and Maintenance at Everett's Water Filter Plant, Christopher Baersten (30) DW						
	144-Flow-ward Bound: Making Waves with	142-Tracing Copper in Schools: Implications for Lead Sampling	Causseaux (60) DW	58-Using Place-based Planning to Develop and Implement Regional Water Supply Strategies, Suzanne de	Matthews (60) DW/WW	59-Beyond Relationships: Creating Positive Impact in Underserved Communities, Nicki Pozos (30)	verification studies, Jolyn Leslie (30)	88-Succeeding With Progressive Design Build Delivery of Your Water Treatment Project, Bryan Black (30)						
10:15	Residential Water Audits in Spokane, Will Rettig (30) DW	under the LCRR, Damon Roth (30) DW		Szoeke (30) DW		DW/WW	DW	DW						

10:45 - 11:00 Break								
11:00		37-LCRR, Corrosion Control Study, and Implementation Plan in Anacortes, Sanyukta Gokhale (30) DW				80-Operationalizing DE&I in the Water Industry through your Organization, Walt Walker (30) DW/WW	123-Bench-Scale Testing as an alternative to Pilot Testing, Brian Rowbotham (30) DW	
11:30	and Spokane Public Schools use technology to improve water management, Annikki Chamberlain (60)	Leaching from Plumbing Materials in High and Low Hardness Waters,	140c-Hands-On w/ Hydraulic Control Valves: Troubleshooting, Steve	A Spokane Case Study, John Porcello	the Utility, Erin McLachlan Sanchez	81-Engineering Justice in Design – Water Equity Approaches in	136-Prove It! Demonstrating pathogen removal in a 10 gpm/sf gravity filtration pilot study, Enoch	24-CMGC Delivery Strategies in an Uncertain Cost Environment, Michael Neher (60) DW/WW
	DW/WW	Hisyam Mohsin (30) DW	Causseaux (60) DW	(60) DW	, , ,	Practice, Walt Walker (30) DW/WW	Nicholson (30) DW	
12:00 - 1:30		Vendor Lunch						

Drinking Water CEUs only

Wastewater CEUs only

Afternoon Thursday, May 2 Afternoon Technical Sessions

Drinking Water CEUs only

Wastewater CEUs only

Room	102 C/D - 100	102 A/B - 100	201 A/B/C- 100	202 A/B/C - 100	203 - 50	205 - 50	206 A/B - 100	206 C/D - 100
Hosting Committee	Wastewater	Water Quality & Treatment	Distribution	Water Resources & Information Information Technology	Utility Management	Young Professionals	Research & Treatment	Engineering
Moderator	Jeff Lundt	Sean Thomson	Cheryl Capron	Jamie Feldman	Sam Shipp	Annabel Irwin	Kim Reid	Cameron Lee
1:30	39-Nitrogen Removal - Optimization at Post Point,	122-Tracer Testing 101, Brian Rowbotham (30) DW	154-Resiliency Prioritization within the Distribution System, Daniel Shafar (30) DW/WW	45-One Inventory to Rule them All: Hillsboro Water's Quest for LCRR Lead Service Line Inventory Compliance, Symon Powlison (30) DW	139-How to Talk about Water Rate Adjustments with Decision-Makers		74-Innovate ways to add capacity and ozone to the Quail Creek WTP, Jeremy Williams (30) DW	50-Case Histories: Concrete Water Reservoir Foundation and Floor Slab Design Considerations, Scott Schlechter (30) DW
2:00	Susanna Leung (60) WW	158-Catalyst or Breaking Point - Dechloramination Decision, Andrew Nishihara (30) DW	171-The Pressure is On: Replacing a Crumbling Regulator Vault, Joel Ayres (30) DW	22-Targeted Streamflow Gaging and Associated Data Systems for Water Supply Planning - City of Waldport, OR., Zach Pike-Urlacher (30) DW	and Stakeholders, Ann Hajnosz (60) DW/WW	135-Turning a Job into a Career: Career Planning for Workforce Retention, Claire Litsky (30) DW/WW	91-True Capacity: Understand the current state of The Dalles WTP, Enoch Nicholson (30) DW	117-Structural Assessments and Asset Preservation Strategies for Welded Steel Water Tanks, Leslie Scott (30) DW
2:30 - 2:45 Break								
2:45	168-Is smaller always simpler? Engineering and Operating considerations	153-Making the most of your space: Lessons learned from On-site Hypochlorite Generation retrofit project with RO Pre-treatment, Joanie Stultz (30) DW	73-Under Pressure! Emergency Repair of Sherwood's Prestressed Concrete Tank. Matt Hickey (30) DW	108-Diverting Data Disasters, Kelsey Mach (30) DW	79- Equitable Climate Action Planning: From National Perspectives to Local Approaches, Walt Walker (30) WW	36-Who? Me? A Leader?, Jason Canady (60) DW/WW	95-Zero to Hero: Best Practices for WTP Startup and Commissioning and Lessons Learned from the Houston NEWPP 320 mgd Greenfield WTP, Joshua Kennedy (30) DW	23-The Balance of Conservation and Storage, Jessica Nathan-Waller (30) DW
3:15	for remote WWTPs, Kenneth Packard (60) WW	66-City of Spokane's 70-Year Well Facility Onsite Generation Disinfection Upgrade Challenges, Heather Burns (30) DW	110-Commissioning a New WTP with a Ruptured Reservoir, Danielle Philbrick (30) DW	147-Modeling visualization using R Shiny, Benjamin Beal (30) DW	114-Growing Your Own - Tacoma Water's OIT Journey, Craig Downs (30) DW		41-Alternatives and Optimization Strategies for Sedimentation Basin Sludge Collection, Henry Ricca (30) DW	33-Unlocking the Flow: SCADA- Powered Knowledge Retention for Efficient Flow Management, Jeff Hesse (30) DW
3:45 - 4:00 Break								
4:00	61-Georgetown Wet Weather Treatment Station, King County, Washington: Commissioning and Startup	90-Preventing distribution system destabilization during source and treatment changes, Alex Mofidi (30)	7-Creating a New Pressure Zone in a	•	119-DRIP Talks: Creating	149-Generations@Work: Tailoring the Employee Life Cycle for a Multigenerational Workforce, Luise Winslow (30) DW/WW	78-Comparison of Oxygen Sources for Ozone Generation, Ali Leeds (30) DW	69-Scope Creep for the Greater Good: Adding replacement of a 90- year-old reservoir to a pump station project on a highly constrained site, Greg Postlewaite (30) DW
4:30	Commissioning and Startu Lessons Learned of a new 70 MGD ballasted sedimentation with UV disinfection wet weather treatment facility, Pedro deArteaga (60) DW/WW	77-Inorganic Awakenings: Anacortes's Investigation from Source through Distribution, Chris McMeen (30) DW	Century-Old System: Seattle's Queen Anne 580 Zone, Cheryl Capron (60) DW	Through Utilization of a Field Sampling and Measurement Organization Quality System, Thomas Krause (60) DW/WW	Opportunities in the Water Industry Workforce, Natalie Reilly (60) DW/WW		141-Chemical Mixing: Nothing but a G Thing?, Conner Mancosky (30) DW	70-Small Tank Material Selection Results in a 0.4 MG Prestressed Concrete Tank – How Considering Multiple Criteria Led to an Unexpected Material Choice, Nathan Rostad (30) DW

CEUs Awarded - Oregon - 1.9 DW, 1.9 WW CEUs Awarded - Washington 2.0 DW, listed as variable, WW not yet awarded Idaho accepts CEUs awarded by Oregon and Washington

Morning				Friday, Ma	y 3 Early Bird Sessions
Room	102 C/D - 100	102 Δ/R - 100	201 Δ/R/C- 100	202 Δ/R/C - 100	203 - 50

6.15 180-MBR-LIV Testing, David Saymour (EX) DW/WW 8.45 179-Backflow Prevention Assembly Repair, Imm Purzycki (60) DW DW/WW 9.15 - 9.10 Break 9.30 172- Equipment Presidention - How, Why, William Bernier (60) DW/WW 10.00 - 1100 Break 11.00 - 1100 Break 11.00 - 1100 Break 11.00 - 1100 Break 1.00 - 1100 Brea	Morning				-	y 3 Early Bird Sessions			-
Montang Manual		·	•	• •	• •			•	•
27-24 or Yall Rodge 19-25								Treatment	Engineering
Procession of the Procession of 2 his ball promotes for 2 his ball promotes	Moderator	Jeff Lundt	Darci Ronning	Aurelie Nabonnand	Doug Lane	Tacy Steele			
Processed continues and burden (pill prov.) Working (pill prov.)	7:00		125-Digital Transition to Backflow	Protection of 21-foot Diameter Raw Water Supply Piping, Matt Hickey	Tomorrow's Water Industry through Recent Research, Tyler Kane (30)			Hard Water, Doug Greenlund (30)	
Record 192 (FQ - 190 192 (FQ - 190 290 (FQ - 190 (FQ -	7:30	for Water Utilities, Sarah	•	Water Supply Solved with Trenchless Approach for the City of Pocatello, Idaho, Dennis Galitano	Tacoma Water, Heather Dewey (30)	Communicating the Absence of Lead			
Moderator Markewater Creas Connection Distribution Distribution Public Information Tary Steele New Journal New	Morning				Friday, May 3 N	Norning Technical Sessions			
Reflands	Room	102 C/D - 100	102 A/B - 100	201 A/B/C- 100		203 - 50		206 A/B - 100	206 C/D - 100
8.15 Bandle Band	Hosting Committee	Wastewater	Cross Connection	Distribution		Public Information		Research &Treatment	Engineering
6.15 180-MBR-LIV Testing, David Saymour (EX) DW/WW 8.45 179-Backflow Prevention Assembly Repair, Imm Purzycki (60) DW DW/WW 9.15 - 9.10 Break 9.30 172- Equipment Presidention - How, Why, William Bernier (60) DW/WW 10.00 - 1100 Break 11.00 - 1100 Break 11.00 - 1100 Break 11.00 - 1100 Break 1.00 - 1100 Brea	Moderator	Jeff Lundt	Darci Ronning	Aurelie Nabonnand		Tacy Steele		Xue Jin	Carmen Brown
B445 DW/WW Stanley (30) DW/WW Stanley (30) DW	8:15	0,	179-Backflow Prevention Assembly	Enhancing Operations Management: Leveraging an EPS Calibrated Model,		Communication Challenges in a "Water is a Right" World, Tacy		and treatment processes in the Pacific Northwest, Kyle Shimabuku	100-Delivering Capital Projects: A Young Professional's Guide to Specification Writing, Spencer Adams (30) DW
9:30 172-Equipment Preselection - How, Why, and Lessons Learned, David Seymour (60) DW/WW 2000 11:00 8reak 11:00 11:00 8reak 11:30 1	8:45	Renair IIm Piirzycki (6(1) I)W	Completing Water Main Replacment Projects Using Your Crews, Dave		Consensus with a Rate Advisory Committee, Paul Matthews (30)		Low-pressure Membranes in Water Treatment after Wildfire, Xue Jin (30)	Construction Pitfalls, Greg Loscher	
9:30 172-Equipment Preselection - How, Why, and Learned, David Surveys, William Bernier (60) DW/WW 25 yers (9:15 - 9:30 Break								
10:00 Seymour (60) DW/WW 10:30 - 11:00 Break 11:00 133-Fall City Business District Large On-site Sewage System Project, Jeff Wilson (30) WW 11:30 169-Alki WWTS Standby Generator - A Threading the Needle Retrofit, Jeff Lundt (30) DW/WW 11:30 12:00 - 1:30 12:00 - 1:30	9:30	Preselection - How, Why,	Surveys, William Bernier (60)	Systems: Quantifying An Innovative Approach to Improve Water Loss		and Toolkit! Using the LCRR to		Wildfires in Oxidation and	3-Teamed-Up! Keeping people informed and at the virtual decisior making table. Tips for project management communications, Nicholas Augustus (30) DW/WW
11:00 163-Fall City Business District Large On-site Sewage System Project, Jeff Wilson (30) WW 121-Cross Connection Control - Idaho Rules and Best Practices for Program Development, Anna Moody Generator - A Threading the Needle Retrofit, Jeff Lundt (30) DW/WW 12:00 - 1:30 12:00 - 1:30 163-Fall City Business District Large On-site Sewage System Project, Jeff Wilson (30) WW 121-Cross Connection Control - Idaho Rules and Best Practices for Plant Design with Localized Hydraulic Models, Henry Ricca Goals Beyond the Meter, Alyssa MacDonald (30) DW 121-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 12:00 - 1:30 12:00 - 1:30 14-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 15-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 12:00 - 1:30 12:00 - 1:30 14-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 12:00 - 1:30 13-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 14-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 14:00 - 1:30 14-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 14:00 - 1:30 14-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 14:00 - 1:30 14-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 14:00 - 1:30 14-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 15:00 - 1:30 15:	10:00	1 DW//W/W	Seymour (60) DW/WW DW/WW and Carbon Footprint, Mike Uthe						155-Behind the Curtain – Things Owners and Consultants Wished Each Other Knew, Andrew Nishihar (30) DW/WW
District Large On-site Sewage System Project, Jeff Wilson (30) WW 11:30 District Large On-site Sewage System Project, Jeff Wilson (30) WW 169-Alki WWTS Standby Generator - A Threading the Needle Retrofit, Jeff Lundt (30) DW/WW 12:00 - 1:30 District Large On-site Sewage System Project, Jeff Wilson (30) WW 121-Cross Connection Control Idaho Rules and Best Practices for Program Development, Anna Moody (60) DW 122-Cross Connection Control Idaho Rules and Best Practices for Program Development, Anna Moody (60) DW 123-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 12:00 - 1:30 Awards Lunch Communication: Achieving LCRR Goals Beyond the Meter, Alyssa MacDonald (30) DW 181-Unfiltered and On Fire: Lessons Learned from the Camp Creek Fire, Kimberly Gupta (60) DW 169-Alki WWTS Standby Generator - A Threading the Needle Retrofit, Jeff Lundt (30) DW/WW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 12:00 - 1:30 Awards Lunch	10:30 - 11:00 Break								
11:30 169-Alki WWTS Standby Generator - A Threading the Needle Retrofit, Jeff Lundt (30) DW/WW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 12:00 - 1:30 169-Alki WWTS Standby Generator - A Threading the Needle Retrofit, Jeff Lundt (30) DW/WW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training, Stephanie McGregor (30) DW 112-Medford Water's digital twin use for design through operator training	11:00	District Large On-site Sewage System Project,	arge On-site ystem Project, on (30) WW Idaho Rules and Best Practices for Program Development, Anna Moody (60) DW Retrofit, Jeff	Critical Valve at a Time, Bryan		Communication: Achieving LCRR Goals Beyond the Meter, Alyssa		Learned from the Camp Creek Fire,	115-Informing Water Treatment Plant Design with Localized Hydraulic Models, Henry Ricca (30) DW
	11:30	Generator - A Threading the Needle Retrofit, Jeff		use for design through operator training, Stephanie McGregor (30)					116-Tracer Study Back to Basics an the Intricacies Considered by McMinnville, Humberto Jaramillo (30) DW
Drinking Water CEUs only Wastewater CEUs only Wastewater CEUs only	12:00 - 1:30				A	wards Lunch			

CEUs Awarded - Oregon - 1.9 DW, 1.9 WW
CEUs Awarded - Washington 2.0 DW, listed as variable, WW not yet awarded
Idaho accepts CEUs awarded by Oregon and Washington

Afternoon		Friday, May 3 Afternoon Technical Sessions
Poom	Conforance Theater	

Wastewater CEUs only

Aiteiliooli		Triday, Way 3 Atternoon Technical Sessions	
Room	Conference Theater		206 C/D - 100
Hosting Committee	Subsection Advisory Committee		Engineering
Moderator			Dan Shafar
1:30	Top Ops, DW		25-Leveraging Innovations - Utilizing Technology to Add Value for Project Stakeholders, Michael Nehar (30) DW
2:00			102-The New Era of Pressure Pipe Design in AutoCAD Civil 3D, Laura Oxsen (30) DW
2:30 - 2:45 Break			
2:45			31-Cost Savings on an Accelerated Schedule Utilizing Artificial Intelligence, Josh Ford (30) WW
3:15	Gimmick & Gadgets, DW		129-Taking Technology into the 21st Century: Creating a Resilient and Cybersecure SCADA System for Medford Water and Integrating it with the Duff WTP Expansion to 65 MGD, Jeff Kanyuch (30) WW
3:45 - 4:00 Break			
4:00			67-California Dreaming – Leveraging Water Reuse Innovations Inspiring PNW's Sustainable Future, Evelyn Choudhary (30) No OR CEUs; WADW CEUs
4:30			62-Starting from Scratch: When the Treatment Process is the Most Straightforward Part of Designing a New Water Treatment Plant, Chad Johnson (30) WADW CEUs

WA Drinking Water CEUs only

Drinking Water CEUs only