DRAFT Spokane 2024 Conference Program Schedule

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	**Wednesday, May 1 Morning Pre-Conference Seminars**							
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 Efficiency Solutions for Commercial Properties, Annikki Chamberlain (60) DW		18 - Math for Operators, Jeff Lundt (3 hours) DW/WW	87-Well Electric Well Station Assessment – Evaluating Options for Increasing its Reliable Production Capacity, Kenny Janssen (30) DW		63-Tour of Spokane's Riverside Park Water Reclamation Facility, Tessora Young (3 hours, off site) DW/WW		
9:00				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				
9:30 - 9:45 Break								
9:45	99b-Meters, submeters and deduct meters, oh my!, Annikki Chamberlain (60) DW			92-Pilot Testing Supports ASR Decision Making, Lee Odell (30) DW				
10:15				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					

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Afternoon	**Wednesday, 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 Chamberlain (60) DW/WW		19 - Reading Process & Instrumentation Diagrams, Jeff Lundt (3 hours) DW/WW			83-City of Spokane Well Electric Well Station and Water System Field Trip, Seth McIntosh (3 hour tour) DW	124-City of Vancouver Bench- and Pilot-Scale Evaluations for PFAS Mitigation, Gwen Woods-Chabane (30) DW	8 - Long Term Seismic Resilience Master Planning, Negar Niakan (30) DW
1:30							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 Efficiency, Annikki Chamberlain (60) DW/WW						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							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 Equipment 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) DW/WW						130-Navigating PFAS Treatment Technology Decisions, Cynthia Yeager (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							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

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Morning	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 Communication?, Kristen Zimmer (60) DW/WW	176-Washington Regulatory Update, Mike Means (30) DW	165-Flow and Function: Facets of Large Vertical Pumps, Motors, and VFDs, Jennifer Murphy (60) DW/WW	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 Pilot Testing Approaches and Case Studies, Amy Gao (60) DW	6-Essentials for the Design & Specification of Earthquake Resistant Ductile Iron Pipe, John Kitchen (30) DW/WW
7:30		126-Oregon Regulation Update, Michelle Byrd (30) DW		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			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 Inventory, Cassandra Lemmons (60) DW	140a-Hands-On w/ Hydraulic Control Valves: Function, Steve Causseaux (60) DW	162-Enhancing Protection of the Willamette River, Oregon's Largest Watershed, Jacob Krall (60) DW	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				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 Causseaux (60) DW	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 Matthews (60) DW/WW	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	176-CMGC Design Phase Benefits, Challenges & Lessons Learned, Kelsey Hinsperger (30)
10:15	144-Flow-ward Bound: Making Waves with Residential Water Audits in Spokane, Will Rettig (30) DW	142-Tracing Copper in Schools: Implications for Lead Sampling under the LCRR, Damon Roth (30) DW		58-Using Place-based Planning to Develop and Implement Regional Water Supply Strategies, Suzanne de Szoeke (30) DW		59-Beyond Relationships: Creating Positive Impact in Underserved Communities, Nicki Pozos (30) DW/WW	106-Low pressure membrane verification studies, Jolyn Leslie (30) DW	88-Succeeding With Progressive Design Build Delivery of Your Water Treatment Project, Bryan Black (30) DW
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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	133-Water Wise Spokane and Spokane Public Schools use technology to improve water management, Annikki Chamberlain (60) DW/WW	131-A Bench-Scale Study to Evaluate the Impact of Different Corrosion Inhibitors on Lead and Copper Leaching from Plumbing Materials in High and Low Hardness Waters, Hisyam Mohsin (30) DW	140c-Hands-On w/ Hydraulic Control Valves: Troubleshooting, Steve Causseaux (60) DW	34-Getting to Informed Water Supply Planning Using a Feedback Loop of Systems Analysis, Data Collection, and Intentional Learning: A Spokane Case Study, John Porcello (60) DW	28-Levels of Service: Establishing and Supporting Realistic Goals for the Utility, Erin McLachlan Sanchez (60) DW/WW	81-Engineering Justice in Design – Water Equity Approaches in Practice, Walt Walker (30) DW/WW	136-Prove It! Demonstrating pathogen removal in a 10 gpm/sf gravity filtration pilot study, Enoch Nicholson (30) DW	24-CMGC Delivery Strategies in an Uncertain Cost Environment, Michael Neher (60) DW/WW
12:00 - 1:30	**Vendor Lunch**							

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Afternoon **Thursday, May 2 Afternoon 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	**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, Susanna Leung (60) WW	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 and Stakeholders, Ann Hajnosz (60) DW/WW	72-Emerging Leaders Venturi-style: A Case Study for Professional Development, Erica Schyler (30) DW/WW	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		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		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 for remote WWTPs, Kenneth Packard (60) WW	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		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 Lessons Learned of a new 70 MGD ballasted sedimentation with UV disinfection wet weather treatment facility, Pedro deArteaga (60) DW/WW	90-Preventing distribution system destabilization during source and treatment changes, Alex Mofidi (30) DW	7-Creating a New Pressure Zone in a Century-Old System: Seattle's Queen Anne 580 Zone, Cheryl Capron (60) DW	42-Increasing Data Quality, Defensibility, and Confidence Through Utilization of a Field Sampling and Measurement Organization Quality System, Thomas Krause (60) DW/WW	119-DRIP Talks: Creating Opportunities in the Water Industry Workforce, Natalie Reilly (60) DW/WW	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		77-Inorganic Awakenings: Anacortes's Investigation from Source through Distribution, Chris McMeen (30) DW				161-The YP Mindset, Jacob Yoshino (30) 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
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Morning	**Friday, May 3 Early Bird Sessions**							
Room	**102 C/D - 100**	**102 A/B - 100**	**201 A/B/C- 100**	**202 A/B/C - 100**	**203 - 50**		**206 A/B - 100**	**206 C/D - 100**
Hosting Committee	**Wastewater**	**Cross Connection**	**Distribution**	**Research**	**Public Information**		**Treatment**	**Engineering**
Moderator	**Jeff Lundt**	**Darci Ronning**	**Aurelie Nabonnand**	**Doug Lane**	**Tacy Steele**			
7:00	75-Are You Ready? Emergency Preparedness for Water Utilities, Sarah Lingley (60) DW/WW	125-Digital Transition to Backflow Prevention Compliance, Paul Molisani (60) DW	166-Abrasive Situation: Rehab and Protection of 21-foot Diameter Raw Water Supply Piping, Matt Hickey (30) DW	96-Water 2050: Forecasting Tomorrow's Water Industry through Recent Research, Tyler Kane (30) DW	89-Demonstrating and Communicating the Absence of Lead Service Lines, Joel Cary (60) DW		84-A Typical Customer Concerns with Hard Water, Doug Greenlund (30) DW	
7:30			71-Redundancy and Reliability of Water Supply Solved with Trenchless Approach for the City of Pocatello, Idaho, Dennis Galitano (30) DW	93-Knowledge Management at Tacoma Water, Heather Dewey (30) DW			105-Path to Clear Water - Managing Manganese, Qianru Deng (30) DW	
Morning	**Friday, May 3 Morning Technical Sessions**							
Room	**102 C/D - 100**	**102 A/B - 100**	**201 A/B/C- 100**		**203 - 50**		**206 A/B - 100**	**206 C/D - 100**
Hosting Committee	**Wastewater**	**Cross Connection**	**Distribution**		**Public Information**		**Research &Treatment**	**Engineering**
Moderator	**Jeff Lundt**	**Darci Ronning**	**Aurelie Nabonnand**		**Tacy Steele**		**Xue Jin**	**Carmen Brown**
8:15	180-MBR-LRV Testing, David Seymour (60) DW/WW	179-Backflow Prevention Assembly Repair, Jim Purzycki (60) DW	103-Evaluating Water Quality and Enhancing Operations Management: Leveraging an EPS Calibrated Model, Natalie Reilly (30) DW		51-Rioting over Rising Rates: Communication Challenges in a "Water is a Right" World, Tacy Steele (30) DW/WW		150-Wildfire impacts on water quality and treatment processes in the Pacific Northwest, Kyle Shimabuku (30) DW	100-Delivering Capital Projects: A Young Professional's Guide to Specification Writing, Spencer Adams (30) DW
8:45			1-Saving Rate Payer Dollars by Completing Water Main Replacment Projects Using Your Crews, Dave Stanley (30) DW		174-Effective Strategies for Building Consensus with a Rate Advisory Committee, Paul Matthews (30) DW/WW		35-Evaluation of the Effectiveness of Low-pressure Membranes in Water Treatment after Wildfire, Xue Jin (30) DW	137-Navigating Common Construction Pitfalls, Greg Loscher (30) DW
9:15 - 9:30 Break								
9:30	172-Equipment Preselection - How, Why, and Lessons Learned, David Seymour (60) DW/WW	49-Cross Connection Control Hazard Surveys, William Bernier (60) DW/WW	13-Water Distribution Management Systems: Quantifying An Innovative Approach to Improve Water Loss and Carbon Footprint, Mike Uthe (60) DW		109-Lead Communications Guide and Toolkit! Using the LCRR to Strengthen Your Community, Andrea Watson (60) DW		159-Building Treatment Resilience to Wildfires in Oxidation and Coagulation Responses, Mac Gifford (60) DW	3-Teamed-Up! Keeping people informed and at the virtual decision-making table. Tips for project management communications, Nicholas Augustus (30) DW/WW
10:00								155-Behind the Curtain – Things Owners and Consultants Wished Each Other Knew, Andrew Nishihara (30) DW/WW
10:30 - 11:00 Break								
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 (60) DW	44-Improving System Resiliency One Critical Valve at a Time, Bryan Robinson (30) DW		167-Water Service Lines of 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	115-Informing Water Treatment Plant Design with Localized Hydraulic Models, Henry Ricca (30) DW
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		53-Water Service Line Survey Outreach, Jill Hoyenga (30) DW			116-Tracer Study Back to Basics and the Intricacies Considered by McMinnville, Humberto Jaramillo (30) DW
12:00 - 1:30	**Awards Lunch**							

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Afternoon

Friday, May 3 Afternoon 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			Gimmick & Gadgets, DW					31-Cost Savings on an Accelerated Schedule Utilizing Artificial Intelligence, Josh Ford (30) WW
3:15								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

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