	Thursday Afternoon Sessions - March 21, 2024								
<u>N</u> e	Canadian Room	Britain Room	American Room	Lewis & Clark Room	Missouri Room				
1:00pm to 2:00pm	How a Small Community Handles Large Water Infrastructure Projects - An East Helena Chronicle Kaela Murphy & Kyle Myhre, Robert Peccia and Associates A brief recap of the need for the project & design criteria will start this session. Then a look at the timeline, issues that arose, and the ability to maintain water service while the project was under construction. 0.1 CEC's Water	Using Artificial Intelligence to Manage Pipes Bridget Garlinghouse, VODA.ai An Al tsunami is here, transforming industries and lives. Al can help improve distribution network planning and reduce water loss by improving water management, detecting leaks, predicting failures, and optimizing maintenance. 0.1 CEC's Dual	Infrastructure Funding & Administration for Clerks Craig Erickson, Great West Engineering Jodi Rogers, MT League of Cities & Towns Craig and Jodi will explain how to secure grant funds and the steps to follow after receiving the award. Specifically tailored for clerks, Jodi &	SCADA: A Force Multiplier for Operations Graham Arntzen, In Control, Inc. For utilities using SCADA or considering its use, there are often avenues to further use SCADA functionality to strengthen operations, including staffing & on-call capabilities. 0.1 CEC's Dual/Clerks	Billings 48- & 60-inch Sanitary Sewer Interceptor Rehab Project Kurtis DeShaw & Brad Heimbigner, Morrison-Maierle, Inc Based on a study by the city, the project was divided into 2 phases: a 60-inch trenchless rehab phase, & an open cut 48 & 60-inch phase. We will explore these phases. 0.1 CEC's Wastewater				
2:30pm to 3:30pm	Inserting Gate Valves on a Live Distribution Line Justin Garrison, Mueller Water Products This will discuss insertion valves, design, compliance & compatibility, & an analysis of insertion valves on the market. We will highlight similarities and purposes as well as installation & delivery options. 0.1 CEC's Water	Total Control Steven Exner, Atlas Copco Compressors Automation can reduce maintenance, improve efficiency, and reduce the number of hours employees spend doing menial tasks. We will demonstrate how this all works! 0.1 CEC's Dual	Craig will provide an overview of the clerk's role in managing infrastructure funding, including creating project files, tracking project funds, & meeting audit requirements. [This is a 2-hour class] 0.2 CEC's Dual/Clerks	Preparing for the Funding of Your Water or Sewer Project Dan Semmens & Courtney Ellis, Dorsey & Whitney, LLP This session will explore the various resources of funding available and how communities should prepare for issuing bonds. Also an update on fed funding & top 3 snafus & what to do about them. 0.1 CEC's Dual/Clerks	Utilizing Acoustic Inspection to Prioritize Sewer Cleaning Gene Hallum, InfoSense Gene will focus on discussing the practical development of an acoustic inspection program so systems can be proactive rather than reactive in their cleaning protocol. 0.1 CEC's Wastewater				
4:00pm to 5:00pm	HDPE Best Practices: Design, Installation, & Maintenance Richard Kolasa, WL Plastics This class will provide detailed information on calculating important design installation equations such as wall buckling & compressive stress, pipe deflection, thermal expansion & more.	Water Hydraulics 101 Eric Stearns, DGR Engineering Basic hydraulic concepts will be presented with examples. We will talk about troubleshooting techniques and experience gained in the field. These concepts are useful in troubleshooting low-pressure complaints or planning a hydrant flushing program.	Revisions to Lead & Copper Rule & LSL Inventory Greg Montgomery, MDEQ A review of the new LCR improvements from EPA and how systems should prepare.	Strategies for Quality Lagoon Effluent Tom Daugherty, Triplepoint Environmental, LLC This session will profile real world case studies to evaluate the performance of lagoon rehab alternatives to lower maintenance, energy inputs, & improving treatment.	Wetlands: Yes, They Do Work in the Winter! Kristen Brush, Morrison-Maierle, Inc Employing the proper wetland configuration & design specs for the given environmental conditions & influent will result in properly treated wastwater with little to no operator interaction.				
	0.1 CEC's Water	0.1 CEC's Water	0.1 CEC's Water/Clerks	0.1 CEC's Wastewater	0.1 CEC's Wastewater				
	Thu	ursday Night Banquet - Awards - Mont	ana's Best Tasting Water - Meter Con	test - Guest Speaker Invited					
		2024							
8:00am to 9:00am	Proactive Protection of Water and Resources Tyler Sanders & Matt Heidinger Montana Municipal Interlocal Authority A look into water/wastewater system liabilities and how to proactively manage risk, property, and municipal resources.	Knowing Your Board's Responsibilities Al Kelm, MRWS As operators and clerks, you deal with your boards/councils often. If you know their responsibilities, your dealings with them can go much easier. 0.1 CEC's Dual/Clerks	Empowering MT Rural Water Systems with the RIGHT IT Solutions Conor Smith, First Call Computer Solutions What does partnering with an MSP (Managed services provider) look like? We'll discuss levels of security & controls that can be put in place, what can be done today to protect their business, & where they need to get to for 2024. 0.1 CEC's Dual/Clerks	To Inventory & Beyond! LCRi Doesn't Have to Feel Like a Wild Goose Chase Ethan Miller, 120Water Joseph will share some stories if best practices and what has been working as well as regulation updates and what they mean for you going forward. 0.1 CEC's Water/Clerks	Got Sludge? Now What? Planning For Successful Removal Rika Lashley, Morrison-Maierle, Inc This session offers options for responding to excess sludge volumes, including immediate operational changes, additives, & removal. We'll also look at several successful sludge removal projects. 0.1 CEC's Wastewater				
9:30am to 10:30am	0.1 CEC's Dual/Clerks More Than Just Alarming: Modern Monitoring Solutions Brandon Foster, Streametric This session should empower utilities to install advanced data collection technology, deploying a coninuous monitoring solution w/out needing to walk through the plant. 0.1 CEC's Dual/Clerks	Trenchless Installations: Understanding & Benefits Richard Kolasa, WL Plastics Corp/Ineos Group This session will provide an understanding of the various types of trenchless technologies for municipal & sever applications. Also, insight into the benefits achieved by using these methods from time savings, reduced carbon footprint, to cost savings. 0.1 CEC's Dual	Funding to Mitigate Disasters with "FedFunds" Eleanor Ruggiero, USEPA Our session will highlight free tools & guides to assist utilities in detecting, planning, responding, and recovering from water emergencies. Participants will learn about Fed FUNDs through a demonstration and explanation process. 0.1 CEC's Dual/Clerks	Tackling Aging Infrastructure in Montana Mike Uthe, Mueller Water Products Mike will look at different options for making decisions on buried assets. We will discuss some real-life examples & how utilities can save dollars with proactive methods. 0.1 CEC's Dual/Clerks	Solving Infiltration & Corrosion Problems in Sewer Structures Jim Swain, CIP Construction Technologies, Inc We all know hydrogen sulfide gas and anaerobic bacteria make sulfuric acid that's super corrosive. We'll explore solutions such as new construction, spray on liners, pre-fab inserts, & cured-in-place liners. 0.1 CEC's Wastewater				
10:45am to 11:45am	Upr	dates on Rates, Charges, & SRF Fur Anna Miller, DNRC v in the State Revolving Fund funding a	Peracetic Acid (PAA): What Is It? How Is It Applied? Jacquelyn Wilson, Enviro Tech, An Arxada Company Information on the application & use of peracetic acid, an envronmentally friendly alternative disinfectant for municipal wastewater disinfection.	Rural Wastewater: Montana's Treatment Lagoons Jordan Sykes, AE2S Highlighting issues facing rural communities served by wastewater lagoons, including both similarities and differences in these projects, drawing from real world project examples.					
		0.1 CEC's Dual/Clerks	0.1 CEC's Dual/Clerks	0.1 CEC's Wastewater	0.1 CEC's Wastewater				
11:45am to 1:15pm									
1:30pm to 5:30pm									

44th MRWS Conference Partners for Growth - Investing in Our Future Wednesday (3/20/2024) 7:30 am-5:30 pm Registration in Convention Area For All Sessions Visit the Vendors All Day!										
Visit the Vendors All Day!! Wednesday Sessions - March 20, 2024										
	Canadian Room	Britain Room	American Room	AU, Z	Lewis & Clark Room	Missouri Room				
	W2ASAC Fi	2:30 pm Morning Session T Funding Workshop unding Agencies 0 CEC's Clerks/Dual		10:30 to 11:30	Online Water Analyzers: Maintenance, Calibration, & Guidelines for Anyone Brittany Baker, ABB Inc. Is your process pH sensor a permanent headache? Or is it just installed wrong? During this session we will discuss some of the common errors we experience with online water analyzers and provide you tips to help solve them.	Unique Project Conditions at the Lake McDonald Lift Station Austin Wargo, Robert Peccia and Associates This session will focus on the overal lift station rehab project including planning, design, & construction. We will highlight the limitations imposed and unique conditions of this project, including wintertime construction & seasonal usage.				
					0.1 CEC's Dual	0.1 CEC's Wastewater				
		Lui	nch on Your Own		1					
1:00 PM to 2:00 pm	What Is LoRaWAN? A New Global Standard for Utilities Richard Sanders, Zenner USA We will learn the future of smart city & utility communication is LoRaWAN & will focus on explaining the technology & how it works, as well as what the advantages are going forward.	Introduction to Line Stops, Hot Taps, Valve Insertions, & Pipe Freezing Jamie Weidner, Tapmaster, Inc This presentation will cover the basics of line stops, hot taps, valve insertions, and pipe freezing.	Put It In a Pipel Closs UV for Municipal Tr Bryce Possiel, Xy UV is frequently used for d both drinking and wastew the most common form channel, closed-vessel sy growing in popularity. T advantages that make th considering for munic	eatment vlem isinfection of vater. While n is open- vstems are 'hey offer nem worth	How to Improve Efficiency wth the Use of Meters Miquelle Bernard, Ferguson Waterworks We will explore meter testing & its importance to getting the most out of the meters installed. Plus what other tools are available, & ways to identify meters that are not performing as expected.	LWSD Phase 3 - Extending Sewer Into a Developed Community Stephanie Seymanski & Jill Cook, Morrison-Maierle, Inc This presentation will summarize the planning & design of the Lockwood Water & Sewer District Phase 3 Sewer Subdistrict project to extend sewer mains into developed areas.				
	0.1 CEC's Water	0.1 CEC's Water	0.1 CEC's Dua	l.	0.1 CEC's Water/Clerks	0.1 CEC's Wastewater				
2:30pm to 3:30pm	History of Water Service Line Pipe Whit Hall, Rehau-Municipex Division This session will take a look at past and current materials and some of the pros and cons of using them. Starting out all the way back to clay pipes to the materials of today.	Water Treatment Solutions for Small Water System Quality Issues Danny Bauer, Applied Process Equipment, Inc We will address the importance of conserving water and delivering turnkey water filtration solutions so that water operators can manage water treatment efficiently and effectively.	Cybersecurity Aware Water & Wastewater Across Montar Travis Light & Joe Frohlic We will cover free federal gy available for increasing cy resilience. We'll discuss the threats, cyber incident respo the convergence of ph cybersecurity, & assessme available through C	h, DHS CISA h, DHS CISA ov. resources bersecurity latest cyber onse planning, ysical & ent services IISA.	Delegate Assembly Meeting All members are welcome to attend!	Fort Smith Wastewater: Upgrades to Overcome System Challenges Jeremy Perlinski, Robert Peccia & Associates We will focus on the facility planning process & briefly summarize the 20- year planning criteria. Second focus will be on the design of the preferred alternative designs.				
4:00pm to 5:00 pm	0.1 CEC's Water Nitrate Concerns & Treatment for Small Water Systems McKenzie Butcher, KLJ Engineering LLC We will focus on the increasing nitrate levels in groundwater within the state & exploring viable treatment options. We'll discuss regulations & standards as well as cost assessments.	0.1 CEC's Water Beyond the Meter Eric Ongstad, Sensus, a Xylem Brand Water meters are the cash register for utilities. However they have become so much more. Keys to customer service, leak detection, manage pressure and temperature. Learn what your meters can do for you.	0.1 CEC's Dual/Cl Developing SC John Schwartz, USAI John will discuss the ir of having Standard C Procedures for all V Wastewater du	DPs BlueBook nportance Operating Vater &	Old Business. New Business. Legislative Issues. Election of Board Members!	0.1 CEC's Wastewater This Is Not Your Father's Wastewater: You Need a Good Inlet Screen Jim O'Leary, Or-Tec This session will examine how & why we screen, types of screening, specific applications, & how to clean screens.				
	0.1 CEC's Water	0.1 CEC's Water/Clerks	0.1 CEC's Dua			0.1 CEC's Wastewater				
8:00 am to 9:30am	Thursday Sessions - March 21, 2024 *Invocation, Star Spangled Banner and Welcome from City of Great Falls Mayor, Cory Reeves *Program Changes, Vendor Announcement, Theme & MRWS—Salute to Operators "30 Years of Service" Awards *Kathleen Williams, USDA State Director for Montana *Chris Dorrington, Director MDEQ *Amanda Kaster, Director MDNRC *Vern Steel, Deputy CEO, NRWA									
		9:30 am to 10:30 am >>>>>>BREAK<<<<<								
10:30am to 11:30am	0.100 CEC's Dual									
11:30am to 12:45pm	MRWS LUNCHEON Guest Speaker - Invited									