

	Thursday Afternoon Sessions - March 23, 2023				
	Canadian Room	Britain Room	American Room	Lewis & Clark Room	Missouri Room
1:00pm to 2:00pm	Montana's Lead Service Line Program Greg Montgomery & George Williams, MDEQ Summary of the Lead Service Line Inventory requirements. Will review Montana's LSL inventory Guidance and inventory templates as well as discuss funding options. 0.1 CEC's Water	Identifying & Correcting Common SCADA Radio Network Issues Mike Larson, Larson Data Communications An introductory discussion of key factors & variables that can negatively affect the reliable performance of Water Utility SCADA and other critical radio networks, how to identify deficiencies in these systems, and how to correct them. 0.1 CEC's Dual	Asset Register - How to Get Started Michael Kropp, MDEQ, PWS Introduction to the importance and creation of an asset register. 0.1 CEC's Dual/Clerks	RD Funding and How to Get It Steve Troendle, USDA RD Steve will provide an overview of eligible projects for RD funding and discuss eligibility requirements. Everything from how to apply to common issues in the process will be discussed in this presentation. 0.1 CEC's Dual/Clerks	Wear Determination in ESMIL Multi-Disc Screw Press Sergiy Pesin, ESMIL This session will examine the wear of a screw-press after being in operation for 4 years. It will compare different presses and wear as well as different dewatering technologies. 0.1 CEC's Wastewater
2:30pm to 3:30pm	An Overview of Sodium Hypochlorite Systems for Regional Treatment Bryce Possiel, Evoqua Water Technologies This will focus on "bulk" 12.5% sodium hypochlorite vs. generating hypochlorite on-site at 0.8%. The aim is to provide a high-level technical overview of the electrolytic process, but focus on the application of both technologies for small water treatment plants, well houses, and chlorine booster stations. 0.1 CEC's Water	Leak Detection Methods Mike Uthe, Mueller Water Products Mike will discuss the reasons for leak detection in a water system along with how to prevent them in the first place. We will then discuss some of the methods used to detect leaks along with tips & tricks for successful locates. 0.1 CEC's Water	Confessions of an Operator – "Learn from my Mistakes" Don Van Veldhuizen, CET Whether you are new to the industry or "Old as Dirt", mistakes can be learning tools. Confined space, electrical, and chemical handling issues to name a few. Any mistake can have dire consequences. Learn from the mistakes I have made over the decades. We NEED you in this amazing industry. Your significant other may need you also. 0.1 CEC's Dual	Cybersecurity for Water & Wastewater Systems Cade Beeton & Graham Arntzen, In Control Inc. This session will cover the basics of cybersecurity, including reviewing threats to SCADA, networks, typical vulnerabilities, mitigation measures, & best practices. 0.1 CEC's Dual/Clerks	Is the Town's WWTF Washed Away? Jason Mercer, Morrison-Maierle We will focus on planning, funding, design challenges, & construction of the project. The new WWTF is a 3-cell aerated lagoon w/a mechanical bar screen, floating diffused aeration, UV disinfection, a non-potable water system using effluent, & an effluent pump station. 0.1 CEC's Wastewater
4:00pm to 5:00pm	Saving Money Pumping Groundwater Nicolas Steverlynck, Hose Solutions, Inc We will focus on pumping efficiencies and what is costing us money, how much it is costing and how we can save money and prolong the life of our wells and pumping equipment. 0.1 CEC's Water	Water & Wastewater Safety John Schwartz, USABlueBook This class covers potential hazards, confined spaces, mitigating hazards, personal protection equipment, and more making your workplace a safer place to be. 0.1 CEC's Dual	Principles of Level and Pressure Measurement Dana Pfeifer, VEGA Americas The focus of the session is to identify the principles of hydrostatic, ultrasonic, and Frequency-Modulated Continuous-Wave Radar level measurements. We will discuss how to apply these technologies in municipal applications and what potential pitfalls exist. 0.1 CEC's Dual	Infrastructure Funding & Project Development Collette Anderson & LaNette Jones, Great West Engineering This session will discuss project development & Montana's five primary infrastructure funding programs. We will discuss the steps needed to successfully develop & implement projects. 0.1 CEC's Dual/Clerks	Lagoons & Ammonia: Meeting Permit Limits in Cold Climates Patrick Ely, Nexom We will explore the background, methodology, merits, and suitable applications of two options - the submerged attached growth reactor, & the moving bed biofilm reactor. 0.1 CEC's Wastewater
Thursday Night Banquet - Awards - Montana's Best Tasting Water - Meter Contest - Guest Speaker Invited					
Friday Morning Sessions - March 24, 2023					
8:00am to 9:00am	Technology Advancements in Leak Detection Michael Carothers, Leak Locators of Montana/Sewerlin Michael will include an overview of various types of acoustic microphones, correlators, loggers, cell phone app's, infrared cameras, & combination tools and the specific scenarios & applications that are best suited for each tool. 0.1 CEC's Water	Using iamGIS software: Track & Manage Above & Below Ground James "Rusty" South, Vaughn Cascade Co W&S/iamGIS Rusty will demonstrate how simple & intuitive this software is to store maps documents & data all in one place, & be able to access the maps & data in the field. Create work orders & notifications. 0.1 CEC's Dual	Peristaltic & Diaphragm Chemical Feed Pumps: Benefits, Operation, & Maintenance Bill Ormsby, Blue-White Need help deciding what chemical feed pump technology to use for your application? We will focus on the specific operational functions of both pumps relating to system parameters such as chemical, flows, pressures, and more! 0.1 CEC's Dual	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	Townsend Wastewater System Improvement Projects Chris Hayes, RPA Tim Rauser, City of Townsend Townsend wastewater collection and treatment facility have greatly benefited from I&I abatement projects and recent treatment system upgrades to meet current MPDES permit discharge limits to the Missouri River. 0.1 CEC's Wastewater
9:30am to 10:30am	City of Glendive Water Treatment Plant Upgrades Susan Hayes & Amy Deitchler, Great West Engineering This session will discuss how the aging Glendive facility (built in 1916) was upgraded and still continued to provide the city with good water during the process. 0.1 CEC's Dual/Clerks	AMI Options & Water Distribution Management Systems Nick Martinez, RepMasters, Inc. The technology to read water meters is changing rapidly & becoming more inclusive to the different initiatives of a water department. We now have the capabilities to monitor & assist in the distribution process! 0.1 CEC's Water	Infrastructure Management Using GIS Jason Boucher, Interstate Engineering, & Peyton Brookshire, Billings Heights In this presentation we will explore how to set up a Geographic Information System to help you track & manage your infrastructure. We will look at some of the best practices for building a GIS database as well as deploying web-based & field ready solutions for managing it. 0.1 CEC's Dual	Financing Water & Sewer Projects: Options & Considerations Dan Semmens & Courtney Ellis, Dorsey & Whitney LLP This session will explore sources of funding, assembling funding packages, updates on federal funding, & the top 5 financing snafus & what to do about them! 0.1 CEC's Dual/Clerks	Case Study: Four Corners FOG & Foam Control Lewis Titus, Titus Industrial Group, Inc This session will examine the FOG problem Four Corners had and the process they used to control the issue. 0.1 CEC's Wastewater
10:45am to 11:45am	Updates on Rates, Charges, & SRF Funding Anna Miller, DNRC A discussion on what's new in the State Revolving Fund funding and utility rates and charges. 0.1 CEC's Dual/Clerks			Benefits of Online Amperometric Chlorine Measurement Chris LaCour, ProMinent Fluid Controls This discussion will cover the history of chlorine measurement technologies, advantages/limitations of amperometric measurement over colorimetric measurement, and when colorimetric analysis may still be preferable. 0.1 CEC's Dual	Sun Prairie Village Wastewater System Upgrades Craig Nowak & Rika Lashley, Morrison-Maierle This presentation highlights the project from initial development to its current state. This includes the Preliminary Engineering Report, funding acquisition, extraordinary designs, construction and equipment acquisition challenges. 0.1 CEC's Wastewater
11:45am to 1:15pm	  MRWS LUNCHEON & DRAWINGS Senator Steve Daines 				
1:30pm to 5:30pm	  STATE OPERATOR CERTIFICATION EXAMS CANADIAN & BRITAIN ROOMS 				