



41st Annual Conference - 2020 Vision:

Remember the Past. Experience the Present. Focus on the Future.
Wednesday (3/25/2020) 7:30 am-5:30 pm Registration in Convention Area For All Sessions
Visit the Vendors All Day!!



Wednesday Sessions- March 25, 2020

		Canadian Room	Britain Room	American Room	Lewis & Clark Room	Missouri Room
8:30 am to 11:45am Morning Session W2ASACT Funding Workshop Funding Agencies 0.375 CEC's Clerks/Dual ----- Lunch on Your Own 11:45am to 1:00pm ----- 1:00pm to 2:00pm W2ASACT Funding Workshop (cont.) Funding Agencies 0.100 CEC's Clerks/Dual				Ductile Iron Pipe - From Foundry to Installation Jason Barnes, McWane Ductile A brief overview of the technological advances surrounding ductile iron pipe manufacturing from raw material to finished product. 0.1 CEC's Dual	Upgrading Lagoon Systems for Improved BOD, TSS, & Nutrient Removal Tom Birkland, Lemna A discussion on how advancements in lagoon technology, design, & operations are helping Montana communities to effectively meet their current & future effluent requirements for BOD, TSS, Ammonia & Phosphorous removal. 0.1 CEC's Wastewater	Corrosion Inhibition Chemistry Joe Schmidt, Hawkins We will look at the properties of water and what makes it corrosive or scale forming and the options for treatment. 0.1 CEC's Water
				11:30 am - 1:00 pm - Lunch on Your Own		
				Why Worry About Water - A Public Health Perspective Nina Heinzinger, Rachel Hinnenkamp, DPHHS How DPHHS works with local health officials during outbreaks or other water & wastewater emergencies. Information on recent waterborne outbreaks. 0.1 CEC's Dual	Using Algal Biofilms to Meet Stringent CBODs, Ammonia, & TP Limits in a Full Scale Municipal WWTF Daniel Johnson, OneWater Inc. This presentation will show operational data including flow & contaminant concentrations to demonstrate the system efficacy, operational ease, & cost savings. 0.1 CEC's Wastewater	Flexible Drop Pipe - Saving Money Pumping Groundwater Andy Andiyasitka, Hose Solutions, Inc. A discussion of the life-time savings when using flexible drop pipe. Well rehabilitation has always been an expensive process but can now be a reachable reality for most systems with wells. 0.1 CEC's Water
2:30pm to 3:30pm	Water Loss Reduction Through Pressure Management Mark Magda, Singer Discussion of non-revenue water loss, leak reduction measures, financial impacts, metering, and more. 0.1 CEC's Water	Meeting Montana's Current & Future State Limits for Nutrients & Metals Will McHale, Water Technology Group A discussion of using a high-rate compressible media filter to control nutrients and metals in water and wastewater treatment. 0.1 CEC's Dual	Affordable & Simple Steps to Achieve Sustainability via Asset Management Tony Shriner, iamGIS Vince Palafox, Big Sky Fundamentals of GIS, work orders, asset management & sustainability. How to implement asset management via GIS. Overview of Big Sky's GIS. 0.1 CEC's Dual	Delegate Assembly Meeting All members are welcome to attend! Old Business. New Business. Legislative Issues. Election of Board Members!		Understanding Your MPDES Permit & the Renewal Process Haley Sir, MDEQ A walk through the steps of application submittal, completeness determination, & permit renewal development for operators to better understand their role in the process & opportunities for public involvement. 0.1 CEC's Wastewater
4:00pm to 5:00pm	Changes to Risk Assessments & Emergency Response Plans Kyle St. Clair, EPA Water Security Coordinator With the passage of AWIA, community water supply systems serving 3300 or more must have risk assessments & ERPs in place & refreshed every 5 years. An explanation of the implementation of this. 0.1 CEC's Water	Turbidity, Sand, & Pre-Treatment Challenges on the Missouri River Neal Levang, Morrison-Maierle, & Chris Martinez, ASRWSS A discussion of the impacts of an increased amount of sand that has been experienced at the intake on the Missouri. 0.1 CEC's Wastewater	Introducing the Integrated Water Resources Planning & Management Guide for Montana Municipalities Sara Meloy, MT DNRC An outline of a new 'how-to' guide for municipalities interested in Integrated Water Resources Planning & Management. 0.1 CEC's Water			MBR Implementation for Class A-1 Effluent Eric Blanksma, Morrison-Maierle Discussion on design, permitting, & construction of a Membrane Bio-Reactor (MBR) treatment plant to produce Class A-1 reuse effluent meeting strict turbidity, total nitrogen, & total coliform limits. 0.1 CEC's Wastewater
8:00 am to 9:30am	Thursday Sessions - March 26, 2020 <ul style="list-style-type: none"> *Invocation, Star Spangled Banner and Welcome from Mayor Bob Kelly - City of Great Falls - (Invited) *Program Changes, Vendor Announcement, Theme & MRWS—Salute to Operators "30 Years of Service" Awards *USDA/RD - Steve Troendle, Director, Community Programs (Invited) *DEQ - Shaun McGrath, Director *DNRC - John Tubbs, Director (Invited) *EPA - TBA *NRWS - David Baird, Senior Vice President 				Missouri Room Clerks' Special Session 8:00 am to 9:00 am Effective Communication Via Social Media Kalli Forshee, NRWA Primarily a discussion on handling public relation issues on social media such as negative comments from customers, direct messages to social media accounts, and archiving information. 0.1 CECs Dual/Clerks	
10:30am to 11:30am	Remember the past. Experience the present. Focus on the future. Speakers - Tim Davis, DEQ Water Quality Division Administrator Gary Bertellotti, Regional Supervisor, MT FWP, Region 4 Tim Burton, League of Cities and Towns					
11:30am to 12:45pm	MRWS LUNCHEON Guest Speaker - TBD					
	Athenian Dialogues Begins at 9:00 am See next page for description of course. 0.115 CECs Clerks					

Thursday Afternoon Sessions - March 26, 2020					
	Canadian Room	Britain Room	American Room	Lewis & Clark Room	Missouri Room
1:00pm to 2:00pm	Over or Under the River? Camille Johnson, TD&H Summary of fundamental technical analysis & critical considerations that influence selection of the most feasible route & construction for water main & sewer force main water crossings. 0.1 CEC's Dual	Inclined Orientation UV Disinfection System Permits Smaller Footprint Pedro Gochicoa & Kevin Flis Wedeco, A Xylem Brand The need for a compact, efficient, & potent disinfection system & learning from existing treatment solutions, the inclined orientation system was developed. 0.1 CEC's Dual	Mix It Up Thom Tackman, Kasco Discussion of controlling stratification & ice formation in potable water storage tanks, preventing dead zones, & increasing mixing with an active mixer. 0.1 CEC's Water	Innovative Lagoon Systems to Meet Today's Permit Challenges Jeremy Perlinski, MDEQ A summary of lagoons across the state & the current & potential effluent limits they are facing. A focus on the available treatment & benefits, then an examination of the performances of a few lagoons around the state. 0.1 CEC's Wastewater	Clerk's Special Session Athenian Dialogues First lady Eleanor Roosevelt is regarded as one of the most prolific female leaders in recent American history. Orphaned at 10 years old, Mrs. Roosevelt overcame adversity and dedicated her life to fighting for justice and equality. In this 6-hour workshop, Montana municipal clerks, treasurers, and finance officers will explore the leadership techniques and tools utilized by Mrs. Roosevelt to overcome political, social, and personal challenges. 0.25 CECs Clerks
2:30pm to 3:30pm	Source Water Protection Planning in Montana Kristi Kine & Erin Wall, MRWS History & goals of the program, collaborative process of a SWP Plan to protect a source water; who is involved in each community's plan process; plan management & contingency strategies & partnerships developed that address natural resource concerns. 0.1 CEC's Dual	USDA Rural Development "Need To Know" for Consulting Engineers Karen Sanchez, USDA RD A streamlined update for consulting engineers on RD requirements & highlights some changes. Save time & money--boost your "RD-IQ". 0.1 CEC's Dual	City of Big Timber - Water Treatment Plant Susan Hayes, Crystal Bennett, Great West Discussion of Big Timber's need for water treatment due to compliance issues and how the new WTP works and the problems encountered. 0.1 CEC's Water	PASS (Phased Assessment Strategy for Sewers) Chris Helliwell, Normont/Envirosight LLC A plan for understanding sewer system conditions more quickly and with few resources. 0.1 CEC's Wastewater	4:00 to 5:00 pm 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 CECs Dual/Clerk
4:00pm to 5:00pm	Trenchless Installation with HDPE Pipe Peter Dyke, Alliance for PE Pipe Discussion of 4 trenchless HDPE installation techniques to reduce construction costs, time & impact to the surrounding community. 0.1 CEC's Dual	Theory, Technique, Tips, & Tricks for Utility Locating Gene Dahle, Pollardwater A discussion of the theory behind locators, use of various types of locators, & methods to improve use & results w/the equipment we have. 0.1 CEC's Dual	America's Water Infrastructure Act (AWIA) Kirk Yoder, MDEQ Kristi Kline, MRWS Components of AWIA, developing and/or updating risk assessments and ERPs and certification deadlines. Resources available to complete emergency and security planning requirements. 0.1 CEC's Water	City of Cut Bank Wastewater Treatment Plant Amy Deitchler, Great West A study in how the City of Cut Bank developed a new WWTP in order to meet their MPDES permit requirements. 0.1 CEC's Wastewater	4:00 to 5:00 pm 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 CECs Dual/Clerk
Thursday Night Banquet - TBD					
Friday Morning Sessions - March 27, 2020					
8:00am to 9:00am	Artificial Intelligence (AI) for Rural Water Systems Brandon DeShaw, Utility Specialists, Inc. An overview of data analysis & AI & what it can mean for water /wastewater utilities--the big picture; leak detection; rate adjustments; water demands; pipe inspection. 0.1 CEC's Dual	Chemical Handling & Storage David Carlson, AE2S Best practices for WTP/WWRF chemical handling & Storage planning & operations for facilities. Room layout, site access, compatible materials, containment systems, tank selection, safety practices and more! 0.1 CEC's Dual	Busting the Rust on the Evergreen Steel Water Tank Lizzy English, HDR A summary of findings after the in-field & lab analyses along with recommendations & cost estimations to bring the District back into compliance. 0.1 CEC's Water	Lagoon Management Becky Haugen, BioLynceus Operators learn the importance of managing for lagoon efficiency to optimize the efficiency of collections & plant operations. This class provides recommendations for managing sludge, chemical & biological influences, technologies, & opportunities. 0.1 CEC's Wastewater	When Roberts Rules of Order Become Disorderly John Schwartz, USABlueBook A viewing of a short video of a disorderly board meeting, followed with discussion on and how to best avoid your meeting becoming disorderly and ideas on how to regain order. 0.1 CEC's Dual/Clerks
9:30am to 10:30am	Optimizing Polymer Mixing and Activation: Following the Science Jeff Rhodes, UGSI Solutions Understanding how to optimize polymer use; the basics of polymer chemistry & applying those principles. Review chemistry, activation, mixing, and equipment configuration basics. 0.1 CEC's Dual	Process & Problems of Leak Detection Michael Carothers, Leak Locators of Montana You know you have a leak but where do you begin? A clear layout of the steps & techniques you can follow to prepare the work site & how to resolve difficulties you'll run into doing it yourself. 0.1 CEC's Dual	Addressing Municipal Water Issues through Climate Resiliency Planning Paul Lachapelle, MSU Led by members of Climate Smart Montana, who will provide an overview of community climate assessment processes & specific examples of climate resiliency planning efforts in Bozeman, Whitefish, & Missoula. 0.1 CEC's Water	Beat Ultra-Low Phosphorus & Metals Targets with Reactive Filtration Dalen Crouse, Nexom A broad overview of various other techniques proposed for phosphorus removal & introduce & explain reactive filtration & how it was chosen. 0.1 CEC's Wastewater	Financing Water & Sewer System Improvements: Insights on the Infrastructure Bonding Bill Dan Semmens & Courtney Ellis Dorsey & Whitney LLP This session will focus on developments under the States Infrastructure bonding bill (HB 652) and how local government funding packages will be affected. 0.1 CEC's Dual/Clerks
10:45am to 11:45am	Emerging Renewal Technology for Pressurized Pipelines Brad Conder, Aegion Corp. Review of the engineering, material construction, installation, and cost-effectiveness of several pressure pipe rehab projects to understand strengths & weaknesses of each products/process. 0.1 CEC's Water	Automated Solutions for Optimizing Aeration Blowers Bob Kisler, Hoffman&Lamson A comparison of VFD technologies to show estimated energy & cost savings. Examining ancillary equipment to successfully complete new installations or retrofit existing blowers to accommodate VFDs. 0.1 CEC's Dual	Lead Update Greg Montgomery, MDEQ Montana Lead Reduction in Schools Drinking Water Rule and Proposed Long Term Revisions to the LCR. Manganese: drinking water and human health. 0.1 CEC's Water	True Batch Biological Treatment: A Flexible Solution for Nutrient Removal Kristy Chycota, Aqua-Aerobic Systems Learn how biological nutrient removal occurs, what factors affect successful nutrient removal, & the variables that can be manipulated to help achieve a consistent effluent when using a true batch system. 0.1 CEC's Wastewater	Performance & O&M Benefits of Non-Contact UV Disinfection Arijit Sarkar, Enaqua USA An introduction to Non-Contact UV disinfection technologies & the benefits over traditional systems. 0.1 CEC's Wastewater
11:45am to 1:15pm	 MRWS LUNCHEON & DRAWINGS Speaker - TBD				
1:30pm to 5:30pm	  STATE OPERATOR CERTIFICATION EXAMS CANADIAN & BRITAIN ROOMS Reta Theriault & Jen VandenBos - PWS CERTIFICATION OFFICE				