

Day 1 - Feb 21						
8 am to 8:50 am: Opening Session Receives Wastewater CEUs	Opening General Session Room 311 Welcome by HWEA President and AWWA Hawaii Section Chair Keynote Speaker: TBD					
	Room 311	Room 312	Room 314	Room 315	Room 316B	Room 316C
9 am to 9:30 am: Session 1	44 LOOP MBR: A Cyclical Step Feed MBR Process with Uniquely High Denitrification Efficiency Larry Morris Kubota Membrane USA Corp	3 I Ka Wa Ma Mua, I Ka Wa Ma Hope: A Water Planning Framework Built on Cultural Foundations Kaleo Manuel Commission on Water Resource Management	34 Funding for Stormwater Utilities: An Update on Federal Funding Sources and Successful Applications for Stormwater Projects Sheryl Chino/Alex Yescas/Derek Gardels HDR	18 Evolving at the Speed of AI - New Ways to Optimize Process Efficiency with Machine Learning Andrew Salvesson Carollo Engineers	6. Saving Money, Pumping Groundwater Dean Foster Hose Solutions	Wastewater BOC Meeting
9:35 am to 10:05 am: Session 2	106 The Benefits of Decentralized Wastewater Treatment for Local Water Reuse in Hawaii Shannon Jessica and Stuart Coleman Cloacina LLC	25 Planning for Water Shortages and CWRM Mandates in Maui County Jessica Fritsche/Eva Blumenstein Carollo Engineers Inc./County of Maui	120 The New Hawaii Environmental Finance Center Dana Okano/Christin Reynolds Hawaii Islands Environmental Finance Center	73 Predictive Maintenance - Why the PLC is Not Equipped to Handle It Nick Hanson Endress + Hauser	99 How Innovative Technology can Change the Way You See Water Karen Siu/Richard Ledesma/Eric Benson Clow Valve Company	Small Systems Roundtable
10:05 am to 10:50 am: AM Break						
10:50 am to 11:20 am: Session 3	26 Cesspool Coverions Planning: How Hawaii County is Stepping Up to the Challenge Lance Lam Carollo Engineers, Inc.	23 Post-Wildfire Impacts for Hawaii Drinking Water Utilites Kamalani Uehara Hawaii Rural Water Association	115 A Study of Shoreline Regulations and Managed Retreat for Hawaii: A Cost Analysis for Paumalu, Oahu Rachael Han SSFM International	47 Rockwell Automation AI Modeling of VFD Electrical Signatures Bret Young Rockwell Automation	7 Mechanical Fittings and Repairs on High Density Polyethylene Pipe (HDPE) Mike Scholz JCM Industries, Inc.	127 Closer Look at the M11 Harness Chris Sundberg Vicaulic
11:25 am to 11:55 am: Session 4	119 Plant-Powered Water Reuse and Waterless Toilets: A Better Cesspool Alternative Adam DeHeer/Stuart Coleman LeapFrog Design	126 Maui Wildfires Emergency Response - Working with EPA's Water Emergency Team Jeffrey Tsai US EPA	92 NPDES Permitting - A Streamlined Overview of a Complex Regulatory Framework Jon Lowry CDM Smith Inc	72 Evolutions of Utility Automation: From Manual Operations to Advanced SCADA Tyler Thornbrue Brown and Caldwell	8. Pressure Sewer Solutions Connor Alexander Crane Pumps & Systems	131. Cindy Preuss Overview and Discusion of New Trenchless Pipelines Installation Technologies CDM Smith
12:00 pm to 1:30 pm: Lunch						
1:30 pm to 2:00 pm: Session 5	67 150% Energy Positive WWTP in 2024 by Combining Co-Digestion with Cogeneration Mike Joyce Kennedy Jenks Consultants, Inc.	31 Decontamination in Days: Emergency Treatment for the Red Hill Fuel Spill Ben Goecke Calgon Carbon Corp.	118 One Water Approach and Tools to Defend Against Climate Change Impacts Vijay Sundaram AECOM	33 SCADA Challenges for an Island State or Difficult Topography Bill Cassity HDR	12 Six Steps to Save Energy and Justify Your Next Capital Improvement Project with VFD Controlled Pumps Chris Dugas ABB Drives	132 EPA's Infrastructure Funding and Technical Assistance Programs - An Update on the Clean Water and Drinking Water State Revolving Funds and the Bipartisan Infrastructure Law Sara Jacobs US EPS
2:05 pm to 2:35 pm: Session 6	61 Food Waste Co-Digestion - Worth the Trouble? Mario Benisch HDR	David LaFrance CEO AWWA	57 The Functional Equivalent: Opportunities for One Water Management Fiona van Ammers Brown and Caldwell	38 Managing your Water and Wastewater Operations with Managed SCADA David Button Mission Communications	13 Adaptive Mixing and Better Biological Nutrient Removal Alden Meade Xylem Inc.	129 Understanding System Pressure and Impact on Leaks Kevin Barnes Fluid Conservation System
2:35 pm to 3:20 pm: PM Break						
3:20 pm to 3:50 pm: Session 7	74 Cost Impacts of PFAS to Biosolid Management in the Clean Water Community Henry Croll Stantec	53 Paradigm in Drinking Water Treatment Safwat Gergis Ovivo USA, LLC.	28 Tuscon Water's Reclaimed Water System: Serving the City of Tuscon for 40 Years John Kmiec Tucson Water	90 Planning Considerations for Machine Learning and Artificial Intelligence Kelly Kimball/Riley Middlebrook Brown and Caldwell	14 Aerobic Granular Sludge for Plants Large and Small Brett Quimby Aqua-Aerobic Systems, Inc	4 Web GIS: Maps, Apps, and Dashboards Christa Campbell, Kathryn Browning ESRI
3:55 pm to 4:25 pm: Session 8	9. Pivoting into a Sustainable Class A Biosolids Management Program Mark Cullington Kennedy Jenks Consultants, Inc.	39 Camp Pendleton - Potable Water Reservoir Refurbishment Randy Gonzalez PPG PMC Raven Lining System	68 Enhancing Likelihood of Funding through One Water Planning Lenise Marrero/Seema Chavan Brown and Caldwell	100 Utilizing Model Predictive Control to Maximize Aeration System Efficiency Steven Kestel APG Neuros	15 Tackle the Wipes Apocalypse - Safeguarding your Sewage Systems Dave Barkey JWC Environmental	59 When is Carbon Fiber Reinforced Polymer for Pipeline Rehabilitation the Best Option over Cured In Place Pipe?
4:30 pm to 5:00 pm: Session 9	107 Organic Waste Sustainability Plan (OWSP) at SIWWTP Enli Li/Sarang Agarwal Stantec	41 Community Engineering Corps - Closing the US Water and Sanitation Access Gap Molly Sullivan AWWA	96 Navigating One Water Planning Through Municipal Water Programs   WRF Project 5175 Trent Stober HDR	86 A Hurricane is Coming - Is your Facility Standby Power Sytem Ready? Bill Ryan CDM Smith	56 An Innovative Trickling Filter System for Wet Weather Flow Storage and Enhanced Nitrification Jia Zhu Brentwood Industries, Inc.	130 Results from over 250 decentralized MABRs Thomas Sichz Fluence Corporate, USA
5 pm to 8 pm: Meet & Greet Full Water CEU Credits*	*subject to water board review					

Day 2 – Feb 22						
	Room 311	Room 312	Room 314	Room 315	Room 316A	Room 316B
8 am to 8:45 am:	HWEA General Membership Meeting Breakfast Provided In Meeting Room	AWWA General Membership Meeting Breakfast Provided in Meeting Room				
8:50 to 9:20 am Session 1	123 Planning for Large-Scale Intensified Secondary Treatment for Sand Island Roger Babcock/Bob Armstrong CCH ENV/Stantec	82 Developing a PFAS Management Roadmap for Potable Drinking Water Supplies in a Changing Regulatory Environment Joanie Stultz Brown and Caldwell	81. What is the New Normal? Coastal Storm Drainage Planning in a Changing Climate Sarah Deslauriers Carollo Engineers Inc	76 Pipe Dreams: Addressing the Wastewater Workforce Shortage in Hawaii to Improve the Health of Nearshore Ecosystems Gabby Zimmer WAI: Wastewater Alternatives & Innovations	97 The Evolution of Chemical Metering Pumps Chris LaCour ProMinent Fluid Controls	17 Energy Efficient Enhanced Anaerobic Fermentation for Biological Phosphorus Removal Freddy Kade EnviroMix
9:25 to 9:55 am Session 2	46 Microscreening for Advanced Primary Filtration - Independent Pilot Study Bryce Kerney HUBER Technology, Inc.	21 The Guide to PFAS: How Water Reclamation Utilities can Control the PFAS Narrative Teigan Gulliver HDR	58 Building Resilience with Alameda County Water District's Climate Adaptation Plan Tess Sprague Brown and Caldwell	75 Cloud-Enabled, Secure Remote Access and Configuration Solutions that can Supercharge your Response Time and Support Adrian Lupola OneSource Distributors	16 Turnkey Lift Stations: Sizing & Selecting Pumps, Basins, & Controls Michael Kelley Zoeller Co.	11 History of Water Service Line Materials Whit Hall Rehau Construction LLC
9:55 to 10:40 am: Morning Break						
10:40 to 11:10 am Session 3	10. Anaerobic Digestion with Nutrient Control - What if your Digesters were in the Sidestream? Matthew Williams Thermal Process Systems	45 PFAS in Drinking Water: Prevalence, Regulations, and Treatment Efficacy Joseph G. Jacangelo Stantec, AWWA Past President	80 The Power of Water - Case Studies of Water Utilities and Innovations in Climate and Sea Level Rise Science Sebastian Malter CDM Smith Inc	19 Threat Mapping to Aide in Cyber Risk Prioritization David Brearley HDR	50 TBD Paul Leonard Pacific Pump and Power	83 Developing the Appropriate Reserve Policy to Mitigate Against Future Risk Sanjay Gaur Water Resources Economics
11:15 to 11:45 am Session 4	79 Wastewater Monitoring in the Coastal Marine Environment: Community Engagement and Innovative Methods for Detection Christina Comfort WAI: Wastewater Alternatives & Innovations	43 This Just In! A Data Driven Update on th Latest in PFAS Separation/Destruction Charlie Liu Kennedy Jenks Consultants, Inc.	20 Climate Resilience and the Hawaiian Water Nexus: The Times They are A-Changin' Michael McMahon HDR	116 Texas Asset Management Plan for Small Systems Elston Johnson Elston Johnson and Associates	85 Independent Online Aeration Operation Monitoring Graham McCarthy Watergate Environmental Technologies	93 Blower 101 Gatlin Gold Atlas Copco
11:50 to 12:20 pm Session 5	84 Performance of Advanced Primary Treatment Technologies at Water Resource Recovery Facilities Onder Caliskaner Caliskaner Water Technologies	69 Commissioning of Two Regenerable Ion Exchange Systems in Maui for Nitrate Treatment Todd Webster Envirogen Technologies, Inc.	40 City and County of Honolulu Capital Project Climate Change Design Guidelines Toolkit Summy Bundy Stantec	91 From Reactive to Predictive: Fundamentals of Maintenance Reliability for Effective Sustainable Operations Pam Elardo/Benjamin Swain Brown and Caldwell	42 What's Wrong with my Air Valve? Kim Sorensen Aquestia USA	48 Solving Infiltration and Corrosion Problems in Sanitary Sewer Structures Jim Swain CIP Construction Technologies Inc
12:20 to 1:45 pm: LUNCH						
1:45 to 2:15 pm Session 6	Circular Water Economy Ifetayo Venner Arcadis, WEF Immediate Past President	77 Amid Historic Drought, Zone 7 Completes Progressive Design Build for PFAS Treatment of Major Water Source Well Kelsey Hakes-Beckwith AqueoUS Vets	88 Protecting Wastewater Infrastructure in a Erosive Coastal Environment Adam Keen HDR	49 Addressing Water Affordability with an Innovative Rate Structure Jennifer Ivey Carollo Engineers, Inc.	1 Peristaltic and Diaphragm Chemical Metering Pump, Accessories, and Systems Richard Hopkins Blue-White	22 Structure Assessment for Rehabilitation and Material Options for Success Gregory Wallace Imerys Norfolk
2:20 to 2:50 pm Session 7	83. Innovations with Biosolids Process Technologies Terry Goss AECOM	125 PFAS Emerging No More: A Quick Start Guide for PFAS Compliance Chance Lauderdale HDR	32 The Bowtie Demonstration Project - an Urban Wetland by the Los Angeles River Jon Abelson/Serena Zhu Stantec	108 A Mid-Size Water Utility's Approach to Successful Pursuit and Award of Federal Grant Funding For Capital Projects Addressing System Resiliency Jeff Kanyuch Jacobs Solutions	2 Energy Demand Reduction of Pumping Systems to Reduce Energy Consumption Doug Ryan Danfoss Drives	30 Decarbonization and Resource Recovery Through Nitrous Oxide Production from Anaerobic Digestate Zhiyue Wang University of Hawaii
2:50 to 3:20 pm: Afternoon Break						
3:20 to 3:50 pm Session 8	55 Lessons Learned Operating a Wastewater Treatment Plant Post Disaster Carl Koester/Cassie Martin Jacobs Engineering	52 EPA Drinking Water Regulatory Update Anna Yen US EPA	78 Green Infrastructure Approaches - A National Perspective Virginia Roach CDM Smith	101 Salinity and Irrigation Water Reuse in Coastal Communities: Source Mitigation Strategies and Treatment Processes Tao Yan University of Hawaii	37 Protect your Workforce with Smart Safety Technology Bradley Kemp Blackline Safety	105 Sequestration, Concentration, and Destruction of PFAS using Novel DEXSORB Absorbent Gokhan Barin Cyclopure Inc.
3:55 to 4:25 pm Session 9	70 Do I Need Grit Removal Pat Herrick Hydro International	122 Make Every Drop Count with Water Sensible - A Conservation Initiative that "Makes Cents" for BWS Customers Lorna Heller/Daniel Chen Honolulu BWS	64 Treating Today's Stormwater with Yesterday's Data: Contaminant Removal with IX Cathy Swanson PuroLite	114 Follow the Drop: An Innovative Public-Private-Philanthropic Approach to Community-Based Stormwater Management in Honolulu, Hawaii Lauren Roth Venu and Doug Harper	104 Ductile Iron Fittings - C110/C153 the Similarities, Differences, and Coating Options Jeff Phillips Star Pipe Products	62 Size Doesnt Matter - Approaches to Launch and Sustain Asset Management Programs Regardless of Agency Size Cristin Dias NEXGEN Asset Management
4:30 to 5:00 pm Session 10	24 Investigate-Design-Build Approach to Apply Water Pipeline Repair Technology to a Wastewater Constructability Challenge to Save an Interceptor and Interstate Highway in Downtown Dallas Mike Larsen Structural Technologies, LLC	89 Protecting Oahu's Groundwater Supply - Understanding Risks and Exploring Solutions Bill Fernandez CDM Smith	102 Implementation of the Punalu'u Stream Restoration and Flood Mitigation Project Brendan Belby Stantec	51 The "Sewer Whisperer": Listen Closely, Your Sewer is Talking to You Brogan Quist SmartCover	103 The Great Resignation, Silver Tsunami, Technology and the Millennial Generation Rhonda Harris Operational Technical Services LLC	121 Emerging Contaminants in Urban Sewage Treatment Plants: Risk and Mitigation Strategy Rishabh Shukia University of Hawaii
5 pm to 8 pm: Banquet						
Full Water CEU Credits*	*subject to water board review					