

CONFERENCE DAY #1 - February 2, 2021				
	Water Operators Training	Wastewater	Miscellaneous	Young Professionals
8am-8:30am	1. Once More into the Bleach: Handling and Application of Sodium Hypochlorite (4 HOURS TOTAL) via Go To Training platform	AWWA & HWEA Intro (10 Min), Keynote Speaker (20 min)		
8:30am-9am		2. State of Hawaii Cesspool Conversion Working Group Christin Reynolds One World One Water	3. Case Study: Hyperion Advanced Water Purification Demonstration Facility Robert McCandless Brown and Caldwell	4. YP Welcome Chi Ho Sham and Jacqueline Jarrell AWWA Chair and WEF Immediate Past President
9am-9:30am		5. Cesspool Conversion Options for Hawaii: Evaluation of Onsite Treatment and Disposal Technologies Cari Ishida Carollo	6. Kalaeloa Seawater Desalination, Reducing Project Uncertainties and Risks in a DBOM Delivery RFP Barry Usagawa Honolulu Board of Water Supply	7. Recycled Water Lorna Heller Honolulu Board of Water Supply
9:30am-10am		Break	Break	Break
10am-10:30am		8. Experimenting with Denitrifying Leachfields: A Passive Nitrogen Removal Method for Cesspool Replacements Dr. Roger Babcock UH Manoa	9. Save the Outfall, Save the Avocados: Design Build for Advanced Treatment Scott Lacy Brown and Caldwell	10. Honouliuli Treatment Plant Fred Layi Veolia
10:30am-11am		11. SCOTUS and WOTUS; Implications and Confusion for Hawaii Wastewater Agencies Craig Lekven & Kelly Collins Brown and Caldwell	12. Investing in Desalination for Water Supply Resilience: Worth its Weight in Salt? Nancy Phan Raftelis	13. Early Career Expectations Ken Kawahara Akinaka and Associates
11am-11:30am		14. Building and Starting Up Phosphorous Recovery Cody Charnas Stantec	15. Leveraging Industry Experience to Anticipate the Trade-offs of Alternative Water Supplies Wendy Broley Brown and Caldwell	16. Networking Cliff Lum HDR
11:30am-12pm		17. BNR Conversion of Ora Loma Water Pollution Control Plant David Seymour Kennedy Jenks	18. Working out the "Small" Details: How to Overcome Challenges Associated with Satellite Membrane Bioreactor Water Reclamation Facilities Andrew Gilmore Carollo	19. Getting Involved: HWEA   AWWA YP & ASCE YMF Daniel Koge (YP Chair) and Carly Kaneko (ASCE YMF President)
12-12:30pm	Break	Wastewater Board of Certifications Meeting	Break	Break
12:30-1:30pm	HWEA General Membership Meeting			

Sessions receiving full water CEU credits are shown in blue

**CONFERENCE DAY #2 - February 3, 2021**

	Water	Wastewater	Miscellaneous	Miscellaneous
8am-8:30am	20. Optimizing Pipeline Rehabilitation and Replacement - InfoAsset Risk Oryn Nakamura Honolulu Board of Water Supply	21. AWWA and WEF Visiting Officers Chi Ho Sham and Jacqueline Jarrell AWWA Chair and WEF Immediate Past President	22. Weighing the Future of Non-Potable Reuse in Colorado Patricia Whitby, Christopher Jones, and Thomas Donahue Brown and Caldwell & Colorado Springs Utilities	23. 2020 Second Edition of AWWA M55 HDPE Pipe Amster Howard
8:30am-9am	24. Overcoming Communications Challenges During a Pandemic Kathleen Elliott-Pahinui Honolulu Board of Water Supply	25. Honouliuli WWTP Expansion Phase 1B Project 5 Quality Assurance Steps for Corrosion Resistant Lining Systems Joe Keating Sauereisen SewerGard 210	26. Prepare your Water/Wastewater Operations for the Future Janine Nielsen and Sielen Namdar Rockwell Automation and Cisco	27. Comparison of Compressible Medium and Cloth Disk Primary Filtration Technologies to Replace or Augment Conventional Primary Treatment Method Onder Caliskaner Caliskaner Water Technologies, Inc.
9am-9:30am	28. EPA Drinking Water Regulatory Update Anna Yen US EPA	29. Comparison of Low-, Medium-, and High-Temperature Thermal Hydrolysis (THP) on Product Speciation and Biomethane Potential of Primary and Secondary Sewage Sludge from Honouliuli WWTP Dr. Roger Babcock UH Manoa	30. Potable Reuse from Across Two Ponds - Evaluating Water Recycling in the UK Melanie Holmer Brown and Caldwell	31. Adaptive Mixing Leads to Better Biological Nutrient Removal Michele Braas Xylem, Inc.
9:30am-10am	Break	Break	Break	Break
10am-10:30am	32. System Integration and Collaboration Prepares San Juan Water for the Future Christa Campbell and Stephen Ehnat ESRI & San Juan Water District	33. Startup and Testing of a New Biofilter Odor Control System Jordan Fahmie AECOM	#34 EMPTY	35. When COVID Clouds the O&M Picture to IoT Brings New Clarity Jay Boyd ADS Environmental Services
10:30am-11am	36. There was a fire in my watershed, now what? Erin Mackey Brown and Caldwell	37. Start-up and Commissioning at the Lahaina Wastewater Reclamation Facility Jennifer Chang Jacobs	38. Hawaii Fresh Water Initiative: Update and Next Steps Dana Okano Hawaii Community Foundation	39. Stray Current and Ductile Iron Pipelines Allen Cox DIPRA
11am-11:30am	40. Remote Imaging for Linear Underground Asset Management and Real Water Loss Reduction on Oahu Marc Chun Honolulu Board of Water Supply	41. Creating and Implementing a Smart Industrial Monitoring Network and Advanced Data Analytics at the City of Memphis John Abrera & Josh Balentine Brown and Caldwell	42. Hawaii's watershed partnerships and protecting the source water of the Waianae Mountains Yumi Miyata Waianae Mountains Watershed Partnership	43. How to Reduce Bending Moments on Large Butterfly Valves Belowground Chris Sundberg Victaulic
11:30am-12pm	44. The Fast PFAS Arms Race for Reliable Water Treatment Removal Techniques Ayman Shawwa Stantec	45. Enhanced Source Control Programs Using Real Time Sewer Monitoring Systems Andy Salvesson Carollo	46. Direct Detection of Pathogen for Recreational Water Quality Monitoring in Hawaii Prakit Saingam UH Manoa	47. Distribution System Water Quality Improvements with Implementation of Active Tank Mixing Andrew Seidel PSI Water Technology
12-12:30pm	Break	Break	Break	Break
12:30-1:30pm	AWWA Hawaii Section General Membership Meeting			

Sessions receiving full water CEU credits are shown in blue

CONFERENCE DAY #3 - February 4, 2021				
	Water	Wastewater	Miscellaneous	Miscellaneous
8am-8:30am	48. Hawaii's Water Quality Standards: Time for an Update Robert Bourke	49. Enhancing Biogas Production from Anaerobic Digesters through Organic Waste Addition – Benefits and Lessons Learned Ganesh Rajagopalan Kennedy Jenks	50. From Recycled Water to Vines - A Chloride Reduction Story Melanie Holmer Brown and Caldwell	51. Mechanical Fittings and Repairs on High Density Polyethylene Pipe (HDPE) Mike Scholz JCM Industries, Inc.
8:30am-9am	#52. Empty.	53. Process Intensification using Membrane Bioreactor Process: The Case of Fulton County, GA Jose Jimenez Brown and Caldwell	54. Greywater Recycling with Aqualoop NSF 350 Certified Process Robert Drew Ecoviv Water Management	55. Coatings and the Longevity of Ductile Iron Pipe Aubra Aina US Pipe and Foundry Company
9am-9:30am	56. Comparison of removal of preformed disinfection byproducts vs removal of TOC on GAC performance Laurie Sullivan Brown and Caldwell	57. To expand, or to intensify? An anaerobic digestion question Nicole Stephens Stantec	58. Using WIFIA to Finance Water Reuse Projects Kavita Mak US EPA	59. Maps and Apps support COVID-19 Response at Central Arkansas Water Alex Harper and Christa Campbell Central Arkansas Water & ESRI
9:30am-10am	Break	Break	Break	Break
10am-10:30am	60. Field Testing High-Accuracy Asset Locates on Oahu Using GNSS (SBAS/RTK) Tony Shing Honolulu BWS	61. Waianae WWTP Digester Rehabilitation Luke Werner Kennedy Jenks	62. Should We Plan for Multimeter Sea Level Rise this Century Chip Fletcher UH SOEST	63. Best Available Treatment Technologies for Treating PFAS Mike Tallering Environmental Site Solutions (ESS)
10:30am-11am	64. Being "Smart" is Essential For the Utility of the Future: Understanding What is Hard to See in the Data Kevin Stively Brown and Caldwell	65. London Tideway Improvement Program David Crawford Jacobs	66. Evaluating Potential Next Steps to Address Mapunapuna Flooding Bill Fernandez CDM Smith	67. Flushing Water Mains without Discharging the Water Used to Do So Chris Wilkinson NO-DES Inc
11am-11:30am	68. Developing a Large-Scale Emergency Power Plan James Kim CDM Smith	69. The Importance of Wastewater Characterization and how to do it right! Akram Botrous Stantec	70. Characterizing the Push-Pulls of Stormwater Management Discourse Aida Arik Urban & Regional Planning, UH Manoa	71. Discfilters are not just for Reuse. Learn about the many applications the Discfilter has been successfully used Globally for treating wastewater. Jim Georger Kruger Inc (Veolia)
11:30am-12pm	72. Hawaii Small Systems Roundtable Barry Pollock & Juanita Reyher Colon RCAC	73. Lifting the Fog from FOG Receiving Rashi Gupta Carollo	74. The Hawaii Drought Knowledge Exchange (HDKE) Ryan Longman East-West Center	75. Advantages of Ultra High Solids Linings in Potable Water Service Eric Zimmerman Sherwin Williams
12-12:30pm	Break	Break	Break	Break
12:30-1:30pm	End of Conference Social/Officer Transition Ceremony			

Sessions receiving full water CEU credits are shown in blue