			KAHE HOʻOKAHI NĀ WAI - The Waters
Date/Time			Activity
Oct. 15, 2025	0	General Session 1	
7:30 a.m 9:00 a.m.	Continental breakfast/registration	Large Room	Climate Change Track
8:55 a.m.	Announcements	Conference Moderator	
9:00 a.m. (15 min)	Welcome Address	Emest Lau, Manager & Chief Engineer Mayor Rick Blangiardi Video Message	Welcome and Opening Remarks Conference highlights of note
9:15 a.m.(45 min)	Presentation	Honolulu's Climate Ready Oahu Strategy for Climate Adaptation Ben Sullivan, Chief Resilence Officer Office of Climate Change Sustainability and Resiliency	The City's first climate adaptation strategy enhances the City and community's resilience to climate impacts through specific, measurable actions that prepare us for the worst scenarios while also charing a course towerd a more equitable, resilient, and climate ready O'ahu. Sopping the cause of climate heaping is a global responsibility, but adapting to impacts is a local one. Climate Ready O'ahu is a science-based, community-driven strategy for O'ahu to adapt to the impacts of climate change. Climate Ready O'ahu lays out a detailed list of strategies, policies, and actions that the City can take, alongatic individual, community, state and federal actions, to prepare, protect, and safeguard community members, 'áma, and infrastructure from climate hazards today and for generations to come.
10:00 a.m.	Break		
10:15 a.m. (45 min)	Presentation	One Water Honolulu's Collaboration Framework Lenise Marrero Wendy Brown and Caldwell Brown and Caldwell	The One Water approach focuses on collaboration strategies for stormwater, wastewater, groundwater, freshwater, and necycled water as one integrated system supporting the community and environment. One Water Honolulu integrates responsibilities across a broad range of partners to tackle climate change impacts collaboratively. As part of the One Water Honolulu Plan, the City embarted on the development of a trailbistiant Collaboration Framework to provide a clear and effective process of who should be working together and how to build resilience into the ongoing and planned projects, programs, and politice related to water management. The Collaboration Framework is an adaptable process for working together to advance a shared vision. It provides guidance to sustain collaboration by aligning actions and decisions.
11:00 a.m. (45 min)	Presentation	A Climate Adaptation Approach to One Water Honolulu's CIP Rachel Duncan Carolic Engineers Tess Sprague Brown and Caldwell	The One Water Honolub Plan will develop a climate resilient CIP that will help shape the development of infrastructure across water, wastewater, and stormwater systems while working to support, steward, and protect our communities and natural environment. The approach to create this CIP includes both and natural environment. The approach to create this CIP includes both and natural environment. The approach to create this CIP includes both and charge Adaptation Framework. The focus of this presentation will primarily be on the building blocks of the Climate Change Adaptation Framework. These include: a detailed risk screening and vulnerabilities mapping process to identify climate hotspots using the most recent hazard mapping for sea level fires, hurricanes, precipitation-based flooding, section extended to the control of the process of the control
12:00 noon	Lunch		

	KAHE HO'OKAHI NĀ WAI - The Waters Flow as One								
Date/Time			Activity						
Wed Oct. 15 PM		Breakout Session 1, Large Room			Breako	ut Session 2 , Small Room 1			Breakout Session 3, Small Room 2
			Projects Track		Oper	rations/Systems Track		C	consultant/Vendor/Agency Track
1:30 p.m.	Presentation	Desalination Challenges and	BWS issued a fixed price DBOM contract to Kalaeloa Desaico LLC in July 2023 to provide 1.7 mgd, expandable to 5 mgd of freshwater to the Campbell Industrial Park water system. The project is in the design development and permitting phase with construction targeted in enerly 2028. This preventation will disclose design concepts and challenges in troubleshooting unforeseen risks involving environmental, archaeological sites, cricial biological habitat regulation, aquifer hydraulic separation, and Federal land conveyance & funding requirements.	Presentation	Runoff During Main Break Repairs Tyler Wong	Best Management Practices are an essential component in the protection of our environment and receiving waters. In this presentation, BWS Field Operations Division will highlight several techniques and methods they utilize throughout the main repair process to minimize the environmental impacts resulting from repairs; specifically focusing on use of vacuum trucks in minimizing or removing runoff.	Presentation	Calibration of source meters to identify and reduce water loss Charles Jury Francis Cheng Okahara & Assoc.	BWS water loss percentage has been slowly increasing over the last decade, from approximately 10% to 15% and while most of the revenue meter MXU's have been replaced providing accurate AMR reads and BWS Field Operations Lead Detection Team steadily fixing leaks with the satellite leak detection contract, BWS source meters need to be assessed and calibrated. Using an AWWA meter calibration method and a prioritized list of BWS meters at source and line booster stations, ultrasonic meters are used for calibration. This presentation will present the approach and preliminary findings.
2:00 p.m.	Presentation	Regulatory and Enhanced Water Quality Pilot, Kalaeloa Seawater Desalination Dawn Halpern Kalaeloa Desalco, LLC	This presentation provides an overview of the Seawater Reverse Osmosis (SWKO) plot study conducted to support the development of a new, sustainable potable water source for the community. The project included extensive constituent outreach to engage and inform stakeholders on the benefits and reliability of the proposed water supply. As you components of the plot included validation of the existing seawater wells to confirm their sushability as a source, and performance verification of the full-scale or the proposed very supply of the proposed treatment processes. Comprehensive water quality analyses were performed to characterize the source and the supply of the proposed very supply of the pr	Presentation	On-Site Gray Water Reuse Applications and Benefits for New Residential Developments Randy Hiraki. President	Kuilei and Alia are two Kobsyashi residential developments where innovative gray water reuse is being implemented as part of a forward thinking sustainability strategy to reduce potable water demand and wastewater generation for toilet flushing and cooling towers in chilled water air conditioning. Insights into the sustainability advocacy, regulatory coordination and design will be presented.	Presentation	The Hawaii Water Plan Framework Update Alyssandra V. Rousseve Commission on Water Resource Management	This presentation provides an overview of the Framework for the Hawaii Water Plan (HVP). The HWP is the guide for developing and implementing a comprehensive water resource planning program and includes the Water Resource Protection Plan (WPP). Water Cauliny Plan (WOS) sale Water Projects Plan (SWPP). Agricultural (WPP), Water Cauliny Plan (WOS) sale Water Projects Plan (SWPP). Agricultural Development Plans (WLDP) (HRS §174C-2DI). CWRM is currently revising the Framework document to improve the integration of component plans, exame up-to-date data is incorporated into the planning process, and to overall increase the HWPs will yet a decision-making tool for water and fand planning throughout the State. Key drivers behind the Framework update include a desire to reflect the importance of climate change, public trust childjanns, Nalver Hawsian water rights, and the need to improve inter-agency and community coordination during the planning process.

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2:30 p.m.	Presentation	Kataeloa Aquifer Test Plan Approach and Preliminary Findings for the determination of hydraulic separation of layered geologic formations Kevin Gooding Intera	The Horockis Board of Water Supply (BWS) is building a saltwater desaliration facility in Kalasica Orahu, Hawari designed to purple 4.3 million gallons per day (mg) of sewarder-quality feed water from the deep (-) 1000 feet below ground surface(Dgs)) basait aquifer, treat the seawater to produce 1.7 mgd of potable water, then dispose of 2.6 mgd of their concentrate by injection into the overlying caproxic aquifer at a depth of about 300 ft bgs. The site is adjacent to Campbell industrial Parks and even though the producing zone is separated from the overlying activities by over 1000 vertical feet of caprock, the SVS is taking a conservative approach and warns to test for the potential for contamination of the deep production wells from industrial activities. In response to these concents BWS, the BWS advisory twam and INTERA prepared a workplan to test the hypothesis that the caprock provides adequate separation between the overlying industrial activities and the producing sativater aquifer. The path from the workplan to implementation to preliminary conclusions has been a challenge with burrup, exclusions in the separation between the overlying industrial activities and the producing sativater aquifer. The path from the workplan to implementation to preliminary conclusions to the separation between the overlying industrial activities and the producing sativater aquifer. The path from the workplan is made to the contribution of the wells was damaged, so we had to quickly design, permit and repair the well before the workplan was implemented. The data is coming in now and we will present some of the results of our study.	Presentations	Water Sensible, Water Conservation Rebate Program Update Lorna Heiler BWS Water Conservation Daniel Chen Honeywell	The Honolulu Board of Water Supply (BWS) completed its Water Conservation Program Plan (WCP) in 2011 to drive economic, resource, and social sustainability on Cohu. The plan is one facet of a multi-coal sustainability on Cohu. The plan is one facet of a multi-coal sustainability on Cohu. The plan is one facet of a multi-coal sustainability of the plan is one facet of a multi-coal sustainability of the plan is one facet of a multi-coal sustainability of the plan in the plan is accepted to building additional water supplies including desalination. BWS is expanding efforts with Honeywell International, Inc's Smart Energy team in Honolulu to implement some of the recommended measures in the WCP through the Vater Sensible Program. The tresents is designed to nonlive water efficiency and lower customic valent bills. The presentation will explore the Water Sensible Program and other future conservation initiatives that allow BWS to preserve and protect our most essential resource - OUR WATER.	Presentations	Backflow Prevention Programs Mitch Lebas, P.E. Backflow Preventions Services, LIC. Sponsored by DOH SDWB	The Hawaii Department of Health, through state rules and regulations, requires water systems to develop and implement cross-connection control and backflow prevention programs. While these rules and regulations are very general in regards to specific tasks water system must accomplish to achieve compliance, water system managers should recognize that their systems are at risk of contamination due to a backflow incident and the flability associated with not having an adequate backflow prevention program.			
3:00 p.m.	Break			Break			Break					
3:30 p.m.	Presentation	Adapt Walkiki 2050 Noelle Cole City Dept. of Planning and Permitting Kitty Courtney, Tetra Tech (3:30 to 4:15 pm)	Walkis is increasingly vulnerable to coastal hazards such as sae level rise, high ground water, enroisor, and storm driven flooding. These challenges are exacerbated by modern-day Walkish's watery origins as reclaimed land drained via the early 20th century All Walkish's watery origins as reclaimed land drained via the early 20th century All Walkish's watery origins as reclaimed and drained with lead Consultant Tetra Tech, Inc. are working in close coordination with City infrastructure agencies and community partners to assess these challenges to the butter working makes scientists impact in a community partners to assess these challenges to the butter working as climate impacts increase. The April Walkish' 2050 Plan is public infrastructure and help new and existing development to adapt in place to mid-century and beyord, while keeping an eye on father future impacts. The Plan employs a One Water lens to identify recommendations for CIP projects, policy changes, and dealing solutions that can work synergistically across public and private properties. This presentation will summarize Walkish's risk profile, the project work to date, and what is coming next.	Presentations	Pipe Dreams: Optimizing Pipeline Rehab and Replacement Isaac Hayathi SMYS Water Systems Planning Tony Shing BWS Technical Engineering Projects Mark Zito, Trinnex	Water main infrastructure is a critical component of urban water systems. However, the aging nature of these systems posses significant challenges, including increased risk of failures and costs. Trad depart ludgment, which may not adequately capture the complexities of the underlying risk factors. The presentation will outline the comprehensive CIP workflow from planning through construction, emphasizing the importance of asset management and the unitization of arisk model to prointize pipeline rehabilitation and replacement. The presentation will demonstrate how data analysis including statistical and machine learning based approaches can be employed to analyze vast datasets, including historical break records, pice descriptors, and other relevant information, to predict future failures and optimize maintenance straiges. By focusing on the most exists pipes, data because the lightest the lightest height pipes with the highest likelihood and consequence of failing.	Presentations	Leveraging AMI, AI, and Operational Dashboards to Reduce Field Work and Operating Expenses in Water Utilities Joseph Rogers Ryan Camathan Xylem	Advanced Metering Infrastructure (AMI) continues to transform water utility coerations by enabling real-time data collection, reducing manual fieldwork, and towering operational expenses. Through Sensus-FlexAveta Mil system, utilities gain a scalable, long-range communication network that supports two-way communication network that supports two-way communication with endpoints for water, gas, and electric maters. One of the most impactful benefits of AMI is the ability to remotely monitor, analyze, and act on system conditions without dispatching field personnel. Combined with high resolution telemetry, utilities can preempherely identify leaks, pressure stops, or Operational deathboards within the Kylem Data Lake (ADI) provide utilities the ability to monitor and analyze water consumption patterns in near-real-time. These insights—enhanced through AL-friven analysis and intelligent alerting—are surfaced via configurable thresholds and usage trend graphs that allow utilities to rapidly prontize service calls or notify customers before water loss becomes substantial. In a practical case, utilities have also used YDL distributed to the control of the control			
4:00 p.m.		One Water Honolulu Climate Change Adaptation Panel (4:15-6:00 pm)	Most climate impacts involve water, too much or too little of it One Water is an integrated water resource management strategy that considers the water cycle as an integrated system recognizing the interconnectudess of freshwater. Somewater, recycled water, and seawater. In 2020. The City and Country of Honolute enacted Ordinance 20-4 for create a One Water climate adequated no policy that will proactively adapt to climate disupplice, inform					Cybersecurity for Water Systems and Operational and Information Technology	The water and wastewater system sector is a critical component of national infrastructure, providing essential services that sustain public health, economic stability, and environmental safety. As digital transformation accelerates across utilities, the sector faces growing cybersecurity risk from nation-state actors, criminal groups, and insider threats. This briefing provides an overview of the current cyber threat	Presentation	Understanding System Pressure and Leak Detection for Non- Revenue Water Loss Reduction Kevin Barnes National Sales Manager Fluid Conservation Systems	Controlling and regulating the pressure in the water distribution network saves resources and reduces the level of non-revenue water (NRW) loss. Pressure management so one of the most beneficial and cost-efficive leakage management activities that can have an immediate impact. Knowing what the pressure is doing dynamically throughout your system can overnight reduce the water loss through leaks that you have not yet been able to detect and repair. In short, a reduction in pressure by a few PSI at the right times can mean less water being pushed through the holes, reduction in how much water is being treated/distributed, less chemical oss, less energy cost, and increased infrastructure longwirty. Modulating pressure at your pressure reducing valve (PRV) in one of three ways can save water loss, improve distribution network infrastructure, and even a cost reduction for the operational effectiveness of the water system. Paring his with active accounted for and help to justify being proaches versure reactive. Systematic assessment of pumping and treatment facilities is both labor- and data-
4:30 р.т.	Panel	Facilitator: Christin Reynolds Ternistive Panelistists, Ternistive Panelists, Alex Yea-CCSR, Nosile Code-DPP, Totra Tech Brown & Caldwell Carolio Engineers	community planning, improve infrastructure resilience and mitigate damages and costs. The One Water Pearl convened effectors and divisions of eight CIV departments to coordinate a unified response to the myritad challenges that face public water infrastructure in the age of climate change, One Water Honoldu capture synergies and efficiencies that two divisions of the CIV department of the CIV	Presentation	Giovanni D. Williams Cybersecurity Advisor (CSA) Cybersecurity Advisor (CSA) Cybersecurity and Infrastructure Security Agency (CISA) Department of Homeland Security	landscape targeting water systems, highlights vulnerabilities in	Presentation	Enhancing Asset Management through Digital Condition Assessment and Data Visualization Michael Flores HDR	intensive. This presentation explores strategies to streamline data collection and manage information digitally throughout all phases of a condition assessment project. The approach supports capital improvement planning by evaluating mechanical, electrical, instrumentation and control, and emergency power assets. A key innovation was the implementation of a fully digital workflow—from mobile field atta collection to real-time doud-based transmission and centralized analysis. Standardized assessment inferia were developed to evaluate asset condition, performance, reliability, and obsolecence. These metrics enabled calculation of the Asset Health Index (AHI), Likelihood of Fallure (LoF), and Remaining Service Life, which guided the priorization of rehabilitation and replacement projects. A major success of the project was the creation of a Microsoft Power BI dishiboard that visualized assessment data, analycial results and project recommendations. This interactive platform allows users to explore system health, assert-level insights, and investment planning across the full planning horizon. The presentation will highlight the methodology, digital tools, and visualization strategies used in the project, demonstrating to videa driven asset management enhances deceived making, transparency, and long term intrafactuour enablishity.			
5:00 - 8:30 p.m. Until 10 pm	Meet and greet Hospitality room	}										

Technical Program v.9/25

	KAHE HOʻOKAHI NĀ WAI - The Waters Flow as One
Date/Time	Activity

Oct. 16, 2025

7:30 a.m 9:00 a.m.	Continental breakfast		
8:25 a.m.	Announcements	General Session 2 Large Room	Strategic Initatives Track
8:30 a.m.(45 min)	Presentation	Water Research Foundation Updates Jim Siriano WRF Senior Account Manager	The Water Research Foundation's One Water research programs touch the entire water cycle by addressing issues holistically and providing communities with actionable solutions to our water-related challenges. This presentation will include a brief overview of the Water Research Foundation, a review of our recent and ongoing projects with a flocus on some of the topics that are most important to Hawaii, and a discussion of Hawaii's future research interests and priorities.
9:15 a.m.(45 min)	Presentation	BWS Emerging Contaminants Management Program Sierra Johnson Frown & Caldwell Marc Chun BWS Water Resources	Honolulu BWS is currently implementing a long-term program for management of PFAS and other emerging contaminants. BWS operates a large number of wells and must therefore handle more decisions on how to manage PFAS at each site. However, low concentrations at most sites gives BWS more flexibility to develop a proactive statesgly for managing PFAS that can be translated for other emerging to the proactive statesgly for managing PFAS that can be translated for other emerging the proactive statesgly for managing PFAS that can be translated for other emerging in the short-term, the project addresses sites with current PFAS detections only. GAC treatment designs will be completed for three well sites that have higher regulated PFAS concentrations and are most crucial to the system; construction of PFAS will also be completed to evaluate whether future treatment, pring to consolidated treatment, or shuff are appropriate. In parallel, a long-term islandwide management plan for emerging contaminants will be completed to practively address PFAS and provide a consistent framework for BWS to continue future evaluations, regardless of what contaminant is being considered. Clinical to these evaluations are finished water goals, monitoring plans, and determining decision criteria for alternatives selection, monitoring plans, and determining decision criteria for alternatives selection value to support both short-term and long-term efforts. Pilot data will be used in the short-term to refine operating conditions for new systems and plan for media replacement. In the long-term, data will inform resistic water quality goals and required monitoring frequency. This presentation will provide a general update on the overall program approach with focus on policit testing of considerations and lessons learned that can be applied to other (non-PFAS) projects.
10:00 a.m.	Break		
10:30 a.m.(45 min)	Presentation	Healthy Waters After Wildfires - Evaluating Post- Fire Water Quality Using Advanced Analytical Methods Mel Tokuda and Scott Murakawa Doli- Gale Dinking Water Banch Vyonne Heaney Vyonne Heaney Water Water Water Banch Mel	Pass-widthe drinking water quality has gamened international attention aims 2011, when voidant organic componants (VOG) were discovered inside a drinking water system's pipelines following a widther in California. Since then multiple states across the US, including California, Organi, Colorado, and Hawai, have experienced drinking water system contamination after fast-moving and destructive widthers were through their service areas. Under these extreme conditions, water system infrastructure can become vulnerable to the intrusion of combustion byproclust and the forenation of harmful chemical compounds, leading to contamination events. After such events, utilities face the extensive task of conducting comprehensive water quality testing and repairing or replacing damaged infrastructure. This presentation explores the use of innovative analytical techniques to identify previously undetected contaminants in post-widther drinking water systems, including those in Paradise, CAL tahaina, H.H. and Los Angeles, CA. Their advanced methods have been applied to better characterize the chemical profiles of impacted systems, guide remediation strategies, and inform public health seal of meeting in west of research.
			The Water Master Plan 10-year update is a comprehensive initiative led by the Honolub Board of Water Supply (BWS) to ensure the long-term sustainability, reliability, and realisence of Orbu's water system. Building upon the foundation of the 2016 WIMP, this update will assess current infrastructure conditions, forecast future water demand through 2045, evaluate water sources and quality, and incorporate climate resilience strategies. Key components include revisiting condition assessments of reservoirs and other facilities, analysis of quoundwater
11:15 a.m.(45 min)	Presentation	BWS Updates Islandwide Water Master Plan Carl Lundin CDM Smith	sources, and identification of alternative water sources. The plan also integrates modern technologies, such as droin inspections, and addresses emerging challenges like climate change, regulatory shifts, and unaccounted-for water losses. To support strategic decision-making, the WMM will develor a 30-year Capital improvement Plan (CP), financial planning tools, and updated Water System Stakeholder Advisory Group meetings and community engagement designed to ensure transperency and community input. This update aims to guide BWS in anisatining a relief and efficient water system that meets the needs of future generations while aligning with environmental and regulatory standards.

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Date/Time		Para Para	Activity eakout Session 4, Large Room		Presto	out Session 5, Small Room 1			Breakout Session 6, Small Room 2	
Thurs Oct. 16, PM								Communications Track		
1:30 p.m.	Presentation	CWRM Goals and Major Projects Ciara Kahahane Deputy Director State Commission on Water Resource Management	Regulatory Track CWRM Goals and Major Projects over the next 2 years		Wildfire Modeling and Emergency Response Plan Coordination on Oahu Michael Cubas CDM Smith	Planning Track Conflagration is no longer just a phrase or scholastic term—it's an increasingly measurable threat reshaping frelighting response and infrastructure resilience. This presentation explores advanced wildline measurable response to the properties of the properties of the properties of the properties of the inducing conditions. By combining terrain, vegetation, climate, and infrastructure proximity with extreme heat, directional winds, fuel moisture, and relative humidity, these models expose heighthered facility vulnerabilities. The extreme models also determines extents for Urban Conflagration, where fires leap from structure to structure beyond wildland fuels. We examine how intensified fire behavior, extended ember travel zones, and diminished suppression capabilities converge and threaten water systems. The research underscores the need for proactive mitigation: hardening assess, retrofitting infrastructure and enhancing emergency coordination.	Presentation	From Supervisors to Leaders: Empowering the Frontline for Tomorrow's Challenges Michele Rodriguez-Flores Ridgecresta Inc.	As a wave of retirements reshapes the workforce landscape, organizations face a orifical question: how do we prepare the next generation of leaders starting at the frontline? This session explores a strategic approach to developing frontline supervisors into empowered, forward-thinking leaders. Attendess will waik through the essential steps to align workforce training with long-term organizational goals, ensuring readiness for bornorw's challenges. Through practical insights and proven	
2:00 р.т.	Presentation	Addressing Contamination Incidents in RRAs and ERPs William Platten Charlene Komondy US Environmental Protection Agency	The U.S. Environmental Protection Agency's Water Infrastructure and Cyber Resilience Division (WCRD) provides free resources for water and wastewater untilities to prepare for, respond to, and recover from water-leated emergencies. WICRD also implements Sate Dinking Water Art (SDWA) section 1433, which was amended by America's Water Instructure Art (AMW) section 2013, and requires community water systems (CWS) serving more than 3.300 people to prepare for revise) and certify risks and resilience assessments (RRAs) and emergency response plans (ERPs) to EPA by specified deadfines every five years. Five-year conditional one of the section of the continuation o	Presentation	Granular Activated Carbon Reactivation Facility Jay Stone Bowers & Kubota	The BWS needs to address a long-term solution for the disposal and/or reactivation of spent granular activated carbon (QAC) generated from the control of th	Presentation	Communicating Complicated Analyses to Utility Leaders and the Public Clen Barnes of Water Financing Assistance	Utilities generate complicated analyses such as water audits, asset management plans, risk-resilience assessments, rate studies and others to gather the information needed to make unant policy decisions that will sustain operations for years to come. These analyses, however, are only helpful if community leaders and the public at large understand her results. Spreadtheets and distalless rarely more hearts and large understand her results. Spreadtheets and distalless rarely more hearts and identify the most compelling story from the analysis, tell that story into plain language that would be understood by an on-chanical audience, focus on aspects do enderstood by an on-chanical audience, focus on aspects deep analysis that will resonate with utility leaders and the public, and create effective visuals to emphasize key findings.	
2:30 p.m.	Break			Break			Break			
2:45 p.m.	Presentation	Adjusting Sever Rates to Support Affordability and Water Conservation while also meeting Revenue Requirements. Roger Babcook, Director ENV Dave Ebersold, Vice President CDM Smith	The Honolulu Department of Environmental Services (ENV) is facing several challenges, including compliance with known upcoming permit requirements, potential new regulations on PFAS and microplastics, addressing climate change and sea level rise, upgrading aging infrastructure, managing workforce shortages, addressing cessoos, and completing costly upgrades for a 2010 consent decree. The consent decree, involves three phases, with Phase 3—Sand Island WITP upgrades to be completed by 2058—Sand pits most expensive at \$2.3 billion. Meeting these challenges requires significant increases in EVV revenues, as the contract of the contrac	Presentation	Haiku Tunnel Bulkhead Study a Groundwater Storage and Stream Restoration Evaluation Namoy Measumoto, PG, CHG BWS Hydrology-Geology Charles and Storage PE, SE Briefley Assoc.	The Halku Tunnal Bulishead Study investigated the tunnal's hydropology, bulisheads and discharge point a determine if storage was increasing. This study was in response to the CWRM order to reduce production from 1.3 MGD to 0.3 MGD. The reduction in tunnel production was required to increase heliesi Stream flows for the expansion of loi kalo in Heela wetland. As part of the study, various alternatives for rehabilitation and for replacement of the facility were evaluated.	Presentations	Educational and Participatory Communications Community Relations Specialists, BWS Communications Office Ani Turner Kaua'i Board of Water	Education is a comeratone of outreach efforts by water utility Communications teams. Often they focus on specific audiences, such as students and tour groups, gardening beginners to enthusiasts, and organizations focused on waterbade stewardship, in order to make lasting impacts on behavioral change. In this session, representatives from the Hondulut Beard of Water Supply and the Department of Water on Kausi will highlight best practices in their educational programs and the impact of their efforts on partmenthys to the supplications of the supplica	

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Date/Time			Activity						-
3:15 p.m.	Presentation	Pure Water Hawaii, Guidelines for Potable Reuse Andy Salveson Mike Myshiria Carolio Engineers	Today's Hawaii water resources managers face a myriad of challenges from droughts to uncertain water supply availability and quality. Potable water reuse, which is also called Purfield Recycled Water, or PPK. Na been demonstrated across the continental U.S. and the world as a teasible solution to these water supply challenges. The proposed Pure Water Hawaii Framework follows the state supply challenges. The proposed Pure Water Hawaii Framework follows the state facilitated world-hops, and the use of a decision matrix to ultimately arrive at PRW quidelines — the procursor to actual regulatory rules. The first step of this possis, stakeholder engagement, will identify and filesh out project goals and approaches; toosider environments, social, politics, and cultural issues, and identify trainit audiences and messaging strategies. A comprehensive survey was distributed to over a dozen stakeholders across the state of Hawaii a Nagusst 2025, infesting a discussion of these issues. The results are presented here, with a lock towards and steps the process of developing fively guidants. The missible of major State and County regulatory, wastewater and drivining water entities; private water and vastewater industry entities. NGOs and educational institutions. Subject to available funding, future Pure Water Hawaii phases will facilitate the development of actual Hawaii Revised Statutes and Hawaii Administrative Rules for the potable rouse of domestic wastewater.	Presentation	Nuuanu Hydro-Managed Aquifer Recovery, a stormwater capture, treatment, energy recovery and aquifer recharge solution for a climate change future Judy Nishimoto CDM Smith	Climate change poses increasing threats to freshwater availability in Hawai', necessitating innovative and sustainable water management strategies. This project explores the historical and future significance of Nucunan Reservice, noce a primary source of drinking water for Hondulu, as a key component in climate-resilient water infrastructure. By leveraging the Nucunan Reservice and surrounding valety for managed leveraging the Nucunan Reservice and surrounding valety for managed facilities and surrounding valety for managed facilities and surrounding valety for managed facilities and surrounding valety for managed facilities. The unique geology of Nucuna Valley—characterized by permeable basalt formations and natural infiltration pathways—makes it an ideal site for groundwater reglenishment. This approach not only supports long-farm water security but also contributes to ecological restoration and community resilience in the face of climate variability.	Presentations	Hawaii's Watershed Partnerships, Protecting our Water Source in Mauka Forests Amy Tsueyoshi BWS Watershed Program Yumi Kam Waianae Mountain Watershed Patmership	Our forests are essential for water security. For over 25 years, the coordinators of these partnerships and their dedicated staff have been working with their diverse partners - including the county water supplies – to protect, maintain and restore our native watershed notests. This presentation will provide an overview of the Watershed Partnership model, and the types of management actions required to protect and market nor water watershed to see the present of management actions required to protect and market nor water study and the community and stakeholder outreach necessary to implement those actions.
3:45 p.m.	Break			Break			Break		
4:00 p.m.	Presentation	PFAS Challenges for a Small Public Water System Judy Hayducsko Ann Kam DOH Safe Drinking Water Branch	The State Department of Health, Safe Drinking Water Branch conducted a per- and polyflucorally substances (PFAS) monitoring project in Hawaii to identify areas with PFAS presence. Kunia Villaga, a small system on Oshu, was the first community in the state to find PFAS in its drinking water acurese. Luckly, Kunia system until a solution was found. SDWB staff, Ann Kam and Judy Hayducako, will present the following: - The Environmental Protection Agency's assistance provided through its national PFAS treatment research project, PFAS Innovalve Treatment Team; and - The Drinking Water State Revolving Fund programs role in the design and - The Communication of the Communication	Presentation	State of Hawaii Water Audit Program an Overview Nicholas Ing State Commission on Water Resource Management	In 2016, Act 169, Session Laws of Hawari was signed into law and established the Hawari water audit program which requires affected public water systems (FWS) to subtract Level t validated American Water Works Association (AWWA) Water Loss Audits to the Commission on 2020 AWWA released an updated PWAS +60, which provides a new interactive data validity grading matrix and a dashboard for data validity and Key Performance Indicators (FW) benchmarking. This presentation will discuss the Commission's WAVE program, annual water audits, ved 5 training, and may touch upon the water meter testing program that to being planned this year as a part of the annual water audit program outcomes.		Panel: Adapting communications for optimal impact despite increasing polarizing community, political, and social perceptions Moderator: Kathleen Elliott- Pahniui	
4-30 p.m.	Presentation	GAC vs IX for PFAS Treatment Kevin Lawery Sam Yearby Carbon Supply, Inc.	Per- and polyfluoroalkyl substances (PFAS) pose persistent challenges to water treatment due to their chemical stability and resistance to conventional methods. This presentation compraes granular activated carbon (AGD) and no exchange resists (DK) in terms of removal efficiency, middle longerity, and safectivity across variable performance depending on chall neight, with one affinity for hort-chain PFAS. In contrast, IX offers higher selectivity and faster kinetic, especially for short-chain variance depending on chall neight, with lover affinity for short-chain PFAS. In contrast, IX offers higher selectivity and faster kinetic, especially for swort-chain variance depending on chall neight, with lover affinity for short-chain variance depending on chall selectivity and faster kinetic, especially for swort-chain variance depending on chall neight in the properties of the selectivity and faster kinetic, especially for swort-chain variance depending on challength of the selectivity and faster kinetic, especially for swort-chain variance depending on challength of the selectivity across th	Presentation	East Honolulu Watershed Management Plan, a holistic ahupua' a and community based water management plan Melissa May Hadley, Adrich Bay Jangawa BWS	The BWS watershed management planning framework incorporates innovative components including climate change, Native Hawaiian cultural values, and a long-range water demand brecast that considers impacts from sea level rise and climate change. This framework has impacts from sea level rise and climate change. This framework has statework. The East Honoluki Watershed Management Plan (EHWMP) is BWS' most recent watershed management plan. It was adopted with unanimous support from the City Council and testimony from area neighborhood boards, and received the 2025 Outstanding Planning Award from APA Hawaii. The EHWMP incorporates innovative approaches to addressing firetast like sea level rise, increased storms, of policies to guide adaptive management, emphasizing infrastructure resilience and ecosystem-based solutions. A key feature is its forward-looking, risk-based approach that voluntees fivelighting the cuncertainty of butter hydrologic conditions. This encourage conservation and flexible water management strategies to ensure a commonitor straining projections uncertainty of butter bydrologic conditions. This encourage, schoreline protections, and buffer zones, along with restoring native manshes and wetlands. These comprehensive, science-driven strategies are being incorporated into all of BWS' watershed management plans, providing a proactive framework for adapting to climate change and adequarding Hawai''s watersheds and communities for the future.	Panel	Steven Norstrom BWS Communications Office Stells Bernardo BWS Communications Office Stells Bernardo BWS Communications Office Kawika Uyehara Deputy Manager, Hawaii Board of Water Adam Mundy, PIO Maui DWS Ani Turner, Information & Education Specialist Kauai DWS	In a world inundated with information and views in all sorts of forms, advancing technology, and those looking to use that chaos to their advantage, it can be difficult to figure out what you can trust and believe. In this panel, water industry and communicators will share their perspectives on the impact of increasing polarizing community, political and social perceptions and the impact of technology on how they approach public outreach, especially when it comes to core messaging such as water conservation, water resource protection, and long-term planning or infrastructure investments.
	Thompson Award, Ba Hospitality Room	nquet	-		1			1	1

Technical Program v.9/25

	KAHE HOʻOKAHI NĀ WAI - The Waters Flow as One
Date/Time	Activity

Oct. 17 2025 7:30 a.m. - 9:00 a.m. Continental breakfast

	Announcements	General Session 3 Large Room	Business Track
8:00 a.m. (45 min)	Presentation	Local Forecasts and Analysis of Economic, Demographic, and Business Trends in Hawaii UHERO Dr. Steven Bond-Smith	Hawair's economic outlook as expansive federal policy shifts impact the local economy. Fluctuating increases in US import satiffs, sweeping federal layoffs, and voitable facial and immigration policies are undermining oncourser confidence, raising inflation expectations, and worsening the business outlook—both nationally and in Hawaiir's visito-dependent economy. Will be updated with the September 2025 UHERO Fall economic outlook.
8:45 a.m. (45 min)	Presentation	Our Kuleana: Leveling Up in Water Advocacy Ann Miyahira Hajnosz, PE Harris & Associates	The water industry is facing significant challenges - rapidly aging intrastructure; climate impacts; chimdling satir resources; continued regulatory pressure - all adding up to continued affordability challenges for ratepayers and communities. This presentation will suggest ways to "level up" our thinking and communiciations around water, with the goal of everyone coming away with one new idea and/or one act, that they can implement to increase their water advoccay; it will also provide background on the specific financial challenges facing water utilities today and how water advocacy plays a direct role in the financial sustainability of an agency.
9:30 a.m. (45 min)	Panel Discussion	Manager's Roundtable: Ernest Lau, Honolulu BWS Keith Okamoto, Hawaii DWS John Stufflebean, Maui DWS Joe Tait, Kauai DWS	Conference Issues of Note. Action Items Moving Forward

10:00 a.m.and 11:30 am	Field Trips	Watershed Field Trip 10 am	Kapolei Golf Tournament Check-in 10:30 am, Shotgun 11:30 am
10.00 a.m.and 11.30 am	rield Irips	Bento Lunch	Bento Lunch