

2017 Pacific Water Conference – Tentative Technical Program (Subject to Change, see pacificwaterconference.com for updates)

Wednesday, February 15, 2017						
8:00 - 8:50 am	<p align="center">Opening Session Room 311 Welcome by HWEA and AWWA Hawaii Section Presidents (20 min)/Opening Speaker (30 min)</p>					8:00 - 8:50 am
	Room 301 A/B	Room 311	Room 312	Room 314	Room 315	
9:00 - 9:45 am	Wastewater BOC Meeting	1 Got 264,000 Assets? How ENV Manages It Athan Adachi & David Heard <i>City and County of Honolulu, ENV</i>	2 Rigid but Flexible: Systems Planning with Hawaii's Water System Standards Barry Usagawa & James Kim <i>HBWS and CDM Smith</i>	3 San Francisco International Airport's Path to Total Reuse Dawn Taffler <i>Kennedy/Jenks Consultants</i>	4 TBA	9:00 - 9:45 am
BREAK 9:45 - 10:30 am - Refreshments in Exhibit Hall						
10:30 - 11:15 am	5 Stormwater Asset Management Solution for Hawaii Harbors Kirk McClurkin <i>Woolpert Inc.</i>	6 A Critical Look at Current Wastewater Management from a Sustainability View Point Dayananda Vithanage <i>Oceanit</i>	7 Island Living Means Sustainability - an Innovative BWS Supply Project Concept - Renewable Energy, Stormwater Capture and Groundwater Supply Enhancement Bill Fernandez <i>CDM Smith</i>	8 Green Flow Control - Energy Conservation through Efficient Valve Utilization Tim Fallon <i>Henry Pratt Company</i>	9 Update to the Hawaii Water Resource Protection Plan Jeremy Kimura <i>DLNR Commission on Water Resource Management</i>	10:30 - 11:15 am
11:15 - 12:00 pm	10 Impact of Stormwater Runoff on Hawaii Beach Water Quality and Potential Abatement Strategies Tao Yan <i>University of Hawaii</i>	11 Closing the Loop: Roseville's Organics to Vehicle Fuel Solution Alison Nojima & Adam Ross <i>Brown and Caldwell</i>	12 The "Accidental" Advocate - Empowering Stakeholders through Transparency and Engagement David Ebersold <i>CDM Smith</i>	13 Our SCADA System is Secure! Right? Top 10 Mistakes Water Utilities Make on Cybersecurity and How to Avoid Them Daniel Groves <i>West Yost Associates</i>	14 Update on the State of Hawaii Water Audit Program Neal Fujii and Reinhard Sturm <i>DLNR Commission on Water Resource Management and Water Systems Optimization, Inc.</i>	11:15 - 12:00 pm
LUNCH 12:00 - 1:30 pm						
1:30-2:15pm	15 NPDES Industrial Stormwater Permitting: Pacific Rim Current and Forthcoming Industrial Permits for CA, WA and OR and Recent Developments under the Multi-Sector General Permit (MSGP) Jonathan James Meronek <i>SCS Engineers</i>	16 Double Challenge - Rehabilitating Dual Barrel Sewer Force Main in Newport Beach, CA Mark Briggs <i>Brown and Caldwell</i>	17 Innovations in Monitoring the Health of a Water System - How the Board of Water Supply Incorporates an Annual "Scorecard" Assessment Carl Lundin <i>CDM Smith</i>	18 An Evaluation of Odor Control Technologies Kingston Leung <i>Integrity Municipal Systems, LLC</i>	19 Linking Groundwater to Coral Reefs Management Robert Whittier <i>Hawaii Dept of Health</i>	1:30 - 2:15pm
2:15 - 3:00 pm	20 Lo'i as Sediment and Nutrient Retention Basins: A New Approach to Designing Constructed Wetlands in Hawaii Kim Falinski <i>The Nature Conservancy</i>	21 Corrosion Protection for Ductile Iron Pipe John Johnson <i>McWane Ductile</i>	22 Creative DWSRF Utilization to Support Water System Asset Management Alan Dillon & Joan Corrigan <i>Hawaii Department of Health SDWB</i>	23 Combating Odor and Corrosion with Pure Oxygen Inken Mello <i>ECO Oxygen Technologies</i>	24 Intersecting Land and Sea Planning to Restore Nearshore Fisheries in Hawaii Jade Delevaux <i>University of Hawaii</i>	2:15 - 3:00 pm
BREAK 3:00 - 3:30 pm - Refreshments at Exhibit Hall						
3:30 - 4:15 pm	25 Developing a Priority-Based Plan for Municipal Industrial Stormwater Facility Management Phil Potter <i>Kennedy/Jenks Consultants</i>	26 Primary Filtration to Save Energy and Increase Capacity at Wastewater Treatment Plants Onder Caliskner <i>Kennedy/Jenks Consultants</i>	27 Ductile Iron Pipe Corrosion – Two New Methods to Fight Back Jeff Mason <i>U.S. Pipe</i>	28 Energy Savings in Water and Wastewater Transmission Systems Through the Use of Appropriate Air Valves Kim Sorensen <i>A.R.I. USA</i>	29 The Effective Water Professional: Lessons in Values-Based Leadership Elisa Speranza <i>Seventh Ward Strategies</i>	3:30 - 4:15 pm
4:15 - 5:00 pm	30 Incorporating the Internet of Things & Low Cost Wireless Sensor Technology for Real-Time Response to Operations & Data Acquisition Steve McDonald & Leighton Lum <i>McGovern-McDonald Engineers & RM Towill</i>	31 Meeting Advanced Wastewater Treatment Requirements with a Decentralized Network: A Case Study Tracey Meyer <i>Evoqua</i>	32 Modeling Effects of Historical Groundwater Development on Water Resources of Hawaii Kolja Rotzoll and Scot Izuka <i>University of Hawaii and US Geological Survey</i>	33 Protecting Lake Tahoe using Soil Freeze Technologies to Construct a Sewer Pump Station in Contaminated Groundwater Tim Taylor <i>Carollo Engineers, Inc.</i>	34 Update on the Kaneohe-Kailua Wastewater Conveyance & Treatment Facilities Project Mike Young, Dan Keely, Tony Jones <i>Bowers + Kubota Consulting</i> Brian Gomolski <i>CH2M</i>	4:15 - 5:00 pm
MEET AND GREET RECEPTION (5:00 pm)						

Color Key: Water Wastewater Water/Wastewater Stormwater

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Thursday, February 16, 2017						
	Room 301 A/B	Room 311	Room 312	Room 314	Room 315	
8:00 - 8:45 am	35 TBA (water)	36 General Overview of Implementing SCADA in Guam Pete Diaz <i>AECOM</i>	37 Building a Defensible Water Main Replacement Program Allan Scott <i>Brown and Caldwell</i>	38 One Water Blueprint Lynn Williams Stephens <i>Brown and Caldwell</i> John Albert <i>Water Research Foundation</i>	39 Selecting the Right Phosphorus Removal Technology for You Will McHale <i>Nexom, Inc.</i>	8:00 - 8:45 am
8:45 - 9:30 am	40 Streamlining Water Distribution System Field Testing Using Portable Parallel Analysis as a Data Source for Analytics Roger Sedlacek <i>Hach Company</i>	41 Challenges with Rehabilitating Guam's Wastewater Collection System George Watson <i>Brown and Caldwell</i>	42 EPA Drinking Water Regulatory Update Anna Yen <i>U.S. EPA Region 9</i>	43 Simulating Sea Level Rise Induced Tidal and Groundwater Inundation in Waikiki and Kakaako Shellie Habel <i>UH Coastal Geology Group</i>	44 Best Practices for BNR Mixing Jim Fischer <i>Flygt</i>	8:45 - 9:30 am
BREAK 9:30 - 10:15 am - Refreshments and Prizes in Exhibit Hall						
10:15 - 11:00 pm	45 Building Flexibility into Complex Piping Systems Bradd Ripley <i>Victaulic</i>	46 Deep Wastewater Pump Stations - Design Considerations Bruce Ball <i>Brown and Caldwell</i>	47 Preparing for Climate Change Uncertainty in Honolulu Lynn Williams Stephens <i>Brown and Caldwell</i>	48 Lalamilo Wind Farm and the Water-Energy Nexus Keith Okamoto <i>County of Hawaii</i> <i>Department of Water Supply</i> Richard Horn <i>Lalamilo Wind Company</i>	49 MBR Systems Achieving Ultra-low Nutrient Limits with Simplified Flow Schematics Jennifer Qin <i>Ovivo</i>	10:15 - 11:00 pm
11:00-11:45pm	50 Safely Produced Sodium Hypochlorite On-Site and On-Demand: A Technical Overview of Sodium Hypochlorite Generation Systems Jonathan Dick <i>Evoqua</i>	51 Increased Capture Rate and Maintenance Improvements as a Result of Innovative Design Changes to a Filter Element Moving Media Headworks Screen Thomas Steinke <i>Parkson Corporation</i>	52 Iao Valley Flood and the Aftermath Thomas Ochwat <i>County of Maui Department of Water Supply</i>	53 Point and Non-Point Source Water Pollution Control and Watershed Protection: Critical Need for a Paradigm Shift in Priorities Roy Abe <i>HDR</i>	54 MBR System Operations and Optimization Using Benchmarking and the Fishbone Brian Codianne <i>Kubota Membrane USA</i>	11:00 - 11:45pm
LUNCH 11:45 – 1:15						
1:15 - 2:00 pm	55 Assessing Chlorine Dioxide Treatment of an East Maui Surface Water for Disinfection By-Product Precursor Removal Angela Rodriguez <i>University of Central Florida</i>	56 Feasibility of Thermal Hydrolysis Pretreatment - When It Makes Cents Terry Goss <i>AECOM</i>	57 AWWA Rep Presentation Jeanne M. Bennett-Bailey <i>AWWA President</i>	58 Envision - A Multi-Tool and Best Practices for Sustainable Infrastructure Amber Takenouchi & Jon Young <i>Blue Ocean Civil Consulting and TEACHawaii</i>	59 Tracking Pump Station Ownership Costs Generate Data for Optimum Asset Management Chuck Miller <i>Smith & Loveless, Inc.</i>	1:15 - 2:00 pm
2:00 - 2:45 pm	60 Comparing Potassium Permanganate, Chlorine Dioxide, and Chlorine Oxidation for Manganese Control of a Surface Water Supply on the Island of Guam Dr. Steve Duranceau <i>University of Central Florida</i>	61 WEF Rep Presentation	62 Flint Water Crisis TBA <i>TBA</i>	63 Reuse Disinfection: Low Power/Small Footprint with UV Patrick Bollman <i>ETS-UV an Evoqua Brand</i>	64 New Solution for Domestic Primary Wastewater Treatment John Dyson <i>Aqua Aerobic Systems, Inc.</i>	2:00 - 2:45 pm
BREAK 2:45 - 3:30 pm - Refreshments and Prizes at Exhibit Hall						
3:30 – 4:15 pm	65 Small Water Systems Roundtable Joy Gannon <i>Pulama Lanai</i>	66 Biosorption and Bioflocculation of Raw Wastewater to Help Achieve Net Zero Energy Roger Babcock <i>University of Hawaii</i>	67 Characterizing Source Water Organics and Pretreatment Efficacy to Mitigate Ultrafiltration Membrane Fouling Amanda Scott <i>GE Analytical Instruments</i>	68 Repurposing- Pros and Cons and a Case Study to Help You Decide John Fraser <i>Carollo Engineers, Inc.</i>	69 Energy Savings through Valve Selection Jason Maciejewski <i>Val-Matic Valve & MFG</i>	3:30 - 4:15 pm
4:15 - 5:00 pm	AWWA General Meeting	HWEA General meeting				4:15 - 5:00 pm
BANQUET (5:00 pm)						