

**2018 Pacific Water Conference – Technical Program Schedule (FINAL)**

Wednesday, February 7, 2018								
8:00 am – 8:50 am	Opening Session Room 311 Welcome by Audrey Haerle, <i>HWEA President</i> , and Juanita Colon, <i>AWWA-Hawaii Section Chair</i> (20 min) / Keynote Speaker: Vicky Anderson, <i>Water for People</i> (30 min)							
Time	Room 301 A/B	Room 311	Room 312	Room 314	Room 315	Kamehameha Exhibit Hall II	Time	
9:00 am – 9:45 am	Wastewater BOC Meeting	1. Expand the Role of Municipal Wastewater Systems in Public Health Protection <b>Tao Yan</b> <i>University of Hawaii at Manoa</i>	2. Kauai Springs vs. Kauai Planning Commission: A Case Study in Public Water Trust <b>Don Heacock</b> <i>State of Hawaii, DLNR, Division of Aquatic Resources</i>	3. Ultra-Fast Startup of Anammox System and its Long-Term Performance <b>Mudit Gangal</b> <i>Ovivo USA, LLC</i>	4. Kona—A Case Study of Honolulu Board of Water Supply’s Decision to Implement a more... <b>Peter Kraft</b> <i>Confluence Group</i>	70. 3D Wireless Manhole Scanning to Evaluate Rehabilitation Quality <b>Pierre Mikhail</b> <i>CUES Inc.</i>	PIPE TAPPING EVENTS	9:00 am – 9:45 am
BREAK 9:45 - 10:30 am – Coffee and Tea in Kamehameha Exhibit Hall II								
10:30 am – 11:15 am	5. 2016 Hawaii Water Energy Nexus Report <b>Lauren Doo and Ken Kawahara</b> <i>Akinaka &amp; Associates, Ltd.</i>	6. PASS: Phased Assessment Strategy for Sewers <b>Steve Sebastian and Chris Helliwell</b> <i>Envirosight</i>	7. Hawaii Water Audit Program Implementation <b>Neal Fujii and Reinhard Sturm</b> <i>Hawaii Commission on Water Resource Management and Water Systems Optimization, Inc.</i>	8. A Powerful Nutrient Removal Approach: Post Aerobic Digestion <b>Jennifer Qin</b> <i>Ovivo USA, LLC</i>	9. Transforming Data into Knowledge and Knowledge into Optimization <b>Bryan Sharpnack</b> <i>Hach</i>			10:30 am – 11:15 am
11:15 am – 12:00 pm	10. Recycled Water Use in Hawaii <b>April Matsumura</b> <i>State of Hawaii, DOH, Wastewater Branch</i>	11. Is it Possible to Clean and Camera Sewer and Storm Lines in One Pass? <b>Ken Billingham</b> <i>KEG GMBH/KEG Technologies, Inc.</i>	12. Hawaii Water Audit Program Preliminary Results <b>Kris Williams</b> <i>Water Systems Optimization, Inc.</i>	13. Laboratory Thermal Hydrolysis Treatment of Wastewater Sludges <b>Roger Babcock</b> <i>University of Hawaii at Manoa</i>	14. Understanding Cost of Service and Subsidies--It’s Just a Game <b>David Ebersold</b> <i>CDM Smith</i>	71. Using Protective Coating to Increase Plant Productivity and Protect and Restore Assets <b>Keith Toal</b> <i>Chesterton</i>		11:15 am – 12:00 pm
LUNCH 12:00 - 1:30 pm (Kamehameha Exhibit Hall II)								
1:30 pm – 2:15 pm	15. Beneficial Reuse from Concept to Design <b>Susan Mukai and Jeremy Kimura</b> <i>Brown and Caldwell and Hawaii Commission on Water Resource Management</i>	16. Coco Palms Collection System Odor Control Assessment and Corrective Alternatives <b>Stephen Carlson and Jason Kagimoto</b> <i>Kennedy/Jenks Consultants and County of Kauai, WMD</i>	17. Long-term Financial Planning for an Uncertain Future <b>Joseph Cooper</b> <i>Honolulu Board of Water Supply</i>	18. New Technology Breakthrough for the Protection of Water & Wastewater Membranes <b>James Impero</b> <i>Ovivo Water, LLC</i>	19. Drinking Water State Revolving Fund: What Can We Do for You? <b>Joan Corrigan, Michael Cummings and Alan Dillon</b> <i>State of Hawaii, DOH Safe Drinking Water Branch</i>		TOP OPS EVENTS	1:30 pm – 2:15 pm
2:15 pm – 3:00 pm	20. 2.3 MGD of R-1 Recycled Water for 5,500 Agricultural Acres at Kunia, Oahu <b>Elson Gushiken</b> <i>ITC Water Management, Inc.</i>	21. Kamehameha Highway Wastewater Pump Station Force Main System Improvements <b>Tony Ali</b> <i>CH2M</i>	22. Hawaii’s Fresh Water Initiative <b>Dana Okano</b> <i>Hawaii Community Foundation</i>	23. Deployable MBRs—Suitable for Reuse, Small and for Decentralized Systems <b>Ashwini Khare</b> <i>Ovivo USA, LLC</i>	24. A Case Study: Cybersecurity Assessment Using the AWWA Cybersecurity Tool <b>David Paul, Daniel Groves and Joel Cox</b> <i>Aqua Engineers, Inc. and West Yost</i>	72. Multistage Centrifugal Blower Fundamentals <b>Todd Nelson</b> <i>Hoffman and Lamson</i>		
BREAK 3:00 - 3:30 pm – Coffee and Tea in Kamehameha Exhibit Hall II								
3:30 pm – 4:15 pm	25. The Beginnings of Potable Reuse in Nevada <b>Rick Warner</b> <i>Washoe County Community Services Department</i>	26. Temporary Sewer Bypass Design <b>Joshua Callahan</b> <i>Pacific Pump and Power</i>	27. Increasing Water Recharge, Reuse and Conservation Through Act 172 <b>Jeremy Kimura</b> <i>Hawaii Commission on Water Resource Management</i>	28. Membrane Aerated Biofilm Reactor—The Two Largest Plants in the World <b>Grant MacInnis</b> <i>Suez Water Technologies &amp; Solutions</i>	29. Predictive Models Based on Over 4,500 Miles of Pipeline Condition Assessment Data <b>Ashan McNealy</b> <i>Pure Technologies</i>			3:30 pm – 4:15 pm
4:15 pm – 5:00 pm	30. Leveraging Community Input to Define an Unlikely Path to Water Reuse <b>Matthew Gregg</b> <i>Brown and Caldwell</i>	31. Municipal Adoption of HDPE Pipe <b>Peter Dyke</b> <i>Alliance for PE Pipe</i>	32. Future Desalination in Hawaii <b>Albert Kim</b> <i>University of Hawaii at Manoa</i>	33. Organica Food Chain Reactor: Sustainable Fixed Film AS Coming to Hawaii <b>Steve Parabolicoli and Zoltan Milaskey</b> <i>Mana Water</i>	34. Practical Approach in Securing SCADA Systems in Smart Water Plant <b>Chelsea An and Janine Nielsen</b> <i>Rockwell Automation</i>			4:15 pm – 5:00 pm
MEET AND GREET RECEPTION 5:00 pm (Kamehameha Exhibit Hall II)								

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Thursday, February 8, 2018								
Time	Room 301 A/B	Room 311	Room 312	Room 314	Room 315	Kamehameha Exhibit Hall II	Time	
8:00 am – 8:45 am	35. Funding Green Infrastructure <b>Ross Sasamura and Rae Loui</b> <i>City and County of Honolulu, Department of Facilities Maintenance and AECOM</i>	36. Pilot Testing Odor Control Chemicals—Dosages, H <sub>2</sub> S, and WWTP Impacts <b>Jordan Fahmie</b> <i>AECOM</i>	37. Web Interface for Evaluating Groundwater Recharge in Hawaii <b>Travis Hylton</b> <i>USGS, Pacific Islands Water Science Center</i>	38. Schofield WWTP Energy Efficiency Retrofit <b>Scott Bly and Nancy-Arakaki Chodosh</b> <i>Aqua Engineers and Hawaii Energy</i>	39. Modern Ductile Iron Pipe Restrained Joints—The Successor to Thrust Blocks <b>Dan Brauch</b> <i>US Pipe and Foundry Company</i>	73. “Vacuum Assisted” Fusion Welded Saddle Move Sewer Collections Systems Forward <b>Rob Crow</b> <i>AqueoUSvets</i>	8:00 am – 8:45 am	
8:45 am – 9:30 am	40. Greening Kapalama & Iwilei: Strategies for Hawaii’s Resilient Water Future <b>Lauren Roth Venu</b> <i>Roth Ecological Design Int.</i>	41. Sizing Grease Interceptors by Grease Production; A Better Way! <b>Ken Loucks</b> <i>IW Consulting Service, LLC</i>	42. Hawaii DOH Groundwater Protection Strategy <b>Daniel Chang and Joanna Seto</b> <i>State of Hawaii, DOH, Safe Drinking Water Branch</i>	43. Full Scale and Demonstration Primary Filter Projects Show Great Promise <b>Onder Caliskaner</b> <i>Kennedy/Jenks Consultants</i>	44. Implications of Recent Drilling Results for Understanding Hawaii’s Groundwater <b>Donald Thomas</b> <i>University of Hawaii at Hilo, Center for the Study of Active Volcanoes</i>	<b>OPS CHALLENGE EVENTS</b>	8:45 am – 9:30 am	
<b>BREAK 9:30 - 10:15 am – Coffee, Tea and Prizes in Kamehameha Exhibit Hall II</b>								
10:15 am – 11:00 am	45. Getting Started with GIS-Centric Asset Management for Storm Water Systems <b>Matt Harman</b> <i>Cityworks</i>	46. No FOG; No Clog; Just Let It Flow <b>Gary Shiroyama and Henry Giltner</b> <i>Hawaii Water Service Company</i>	47. Ground Water Use Reporting Outreach, Field Verification and Compliance <b>Kevin Gooding and Roy Hardy</b> <i>INTERA, Inc. and Hawaii Commission on Water Resource Management</i>	48. Sustainable Sanitation with Nutrient Recycling to Meet the Sustainable Development Goal of Eliminating Undernourishment in Most Countries <b>Krishna Lamichhane</b> <i>University of Hawaii at Manoa</i>	49. Effect of Stray Current on the Corrosion of Reinforced Concrete Structures <b>Steve Duranceau</b> <i>University of Central Florida</i>			10:15 am – 11:00 am
11:00 am – 11:45 am	50. A Quantitative Approach for Effectiveness Assessment of BMP Data <b>Racel Jaramilla and Eric Bollens</b> <i>City and County of Honolulu, DFM, Storm Water Quality Branch and CloudCompli, Inc.</i>	51. Improving Clarifier Performance Without Gutting or Replacing Can Make You Sing! <b>Scott Perry</b> <i>Evoqua Water Technologies</i>	52. Source Water and the Need for Cooperative Water Resource Policy on Guam <b>Michelle Sorensen</b> <i>Brown &amp; Caldwell</i>	53. On-Site Hypochlorite Generation: Safe and Reliable Alt to Cl <sub>2</sub> Gas and Bulk Hypo <b>David Paul and Rob Crow</b> <i>Aqua Engineers and AqueoUSvets</i>	54. Evaluating Corrosion Rates in an Island Water System Changing Disinfectant <b>Angela Rodriguez</b> <i>University of Central Florida</i>		74. Modern Ductile Iron Pipe Restrained Joint Demonstration <b>Dan Brauch</b> <i>US Pipe and Foundry Company</i>	11:00 am – 11:45 am
<b>LUNCH 11:45 am – 1:15 pm (Kamehameha Exhibit Hall II)</b>								
1:15 pm – 2:00 pm	55. Getting to Recommendations from the San Jose Citywide Storm Sewer Master Plan <b>Anne Symonds</b> <i>AECOM</i>	56. Lahaina WWRP Stage 1A Project Assessment, Design and Construction <b>Tony Ali and Juan Rivera</b> <i>CH2M &amp; County of Maui, Wastewater Reclamation Division</i>	57. Using Geochemistry to Evaluate Groundwater Flow Paths <b>Robert Whittier</b> <i>State of Hawaii, DOH, Safe Drinking Water Branch</i>	58. Low Level Turbidity Meters for Determining Membrane Integrity in MBRs for IPR <b>Dave N. Commons</b> <i>Hach</i>	59. State of the American Water Works Association (AWWA) <b>Brenda Lennox</b> <i>President (2017-2018), AWWA</i>		1:15 pm – 2:00 pm	
2:00 pm – 2:45 pm	60. Industrial Stormwater Treatment: Permit Requirements, The Solution, Implementation & Results <b>Rita Cooper</b> <i>Hydro International</i>	61. Honing Energy from Plastic at Wastewater Treatment Plants <b>Grace Richardson</b> <i>Global Water Girls</i>	62. Lessons Learned with Groundwater Well Rehabilitation in a Karst Island Aquifer <b>Agapito Diaz and George Watson</b> <i>AECOM and Brown and Caldwell</i>	63. 90-Foot-Deep Wastewater Pump Station Increases Wastewater System Reliability <b>Tim Taylor</b> <i>Carollo Engineers, Inc.</i>	64. Projecting the Effect of CIP Scenarios on Main Break Rates <b>Carl Lundin</b> <i>CDM Smith</i>	75. Grooved-end Valve Efficiency: Improving Installation/Maintenance Practice <b>Jonathan Leitch and Steve Gabriel</b> <i>Victaulic</i>	2:00 pm – 2:45 pm	
<b>BREAK 2:45 - 3:30 pm – Coffee, Tea and Prizes in Kamehameha Exhibit Hall II</b>								
3:30 pm – 4:15 pm	65. Small Water Systems Round Table	66. Upgrading/Retrofitting Your WWTP with MBR Technology <b>Ashwini Khare</b> <i>Ovivo USA, LLC</i>	67. Taking on the Challenge of Deep Tunnel CSO Pumping <b>Mike Zappone</b> <i>Carollo Engineers, Inc.</i>	68. Improvements to Sewage and Sludge Treatment Operations on the Island of Yap, FSM <b>Joseph Rouse</b> <i>University of Guam, WERI</i>	69. Conservation, Climate and Cost—Understanding Water Demand Drivers on Oahu <b>Bill Fernandez</b> <i>CDM Smith</i>		3:30 pm – 4:15 pm	
4:15 pm – 5:00 pm	AWWA General Membership Meeting	HWEA General Membership Meeting					4:15 pm – 5:00 pm	
<b>BANQUET 5:00 pm (Room 313 A/B/C)</b>								

Color Key: Water Wastewater Water Reuse Stormwater