

2019 Pacific Water Conference – Technical Program Schedule

Wednesday, February 20, 2019								
8:00–8:50am	Opening Session Room 311: Welcome by HWEA President and AWWA-Hawaii Section Chair (20 min) / Keynote Speaker: George Tchobanoglous, (30 min)							
Time	Room 301 A/B	Room 311	Room 312	Room 314	Room 315	Kamehameha Exhibit Hall I	Time	
9:00 am – 9:45 am	1. New Guidelines for Membrane Filtration Systems in Hawaii George Wetterau & Jennifer Nikaido <i>CDM Smith and DOH-SDWB</i>	2. Land Treatment as an Alternative to Injection Disposal Craig Lekven & Juan Rivera <i>Brown and Caldwell & County of Maui</i>	3. City and County of Honolulu’s Climate Change Commission Victoria Keener <i>East West Center</i>	4. Pump it, Grind It, Screen It: Current Best Practices for Handling FOG and Wipes Robert Domkowski <i>Xylem</i>	5. Working Across Utility Boundaries on Water Loss Control Reinhard Sturm <i>Water Systems Optimization</i>	6. Chemical Metering Pumps, Accessories and Systems Rich Hopkins <i>Hopkins Technical Products, Inc.</i>	P I P E T A P P I N G E V E N T S	9:00 am – 9:45 am
BREAK 9:45 - 10:30 am – Coffee and Tea (Kamehameha Exhibit Hall I)								
10:30 am – 11:15 am	7. Kahoolawe: How We Provide Without Infrastructure Michael Nahoopii <i>Kahoolawe Island Reserve Commission</i>	8. Wastewater Board of Certification Meeting (Part 1) 	9. Historical Rainfall Trends and Future Projections for Hawai’i Abby Frazier <i>East West Center</i>	10. 500 Year Extension of Sewer Line Life Using Fiberglass Pipe Bijan Khamanian <i>HOBAS Pipe</i>	11. First Annual Water Audit, 2017 Valentino P. Reyna <i>Kauai Department of Water</i>	12. Nutrient Analyzers and Sensors Robert Smith <i>YSI</i>	10:30 am – 11:15 am	
11:15 am – 12:00 pm	13. Protecting Native Fisheries Using Membrane Technologies Anthony Zamarro <i>Evoqua</i>	14. Wastewater Board of Certification Meeting (Part 2) 	15. Hydrological Consequences of Climate Change in Hawaii Aly El Kadi <i>UH Manoa</i>	16. Corrosion from Light Rail Stray Current, What Can You Do? Glenn Willson <i>V&A Consulting Engineers</i>	17. Water Audit Investigative Findings Robert De Robles <i>Maui Department of Water Supply</i>	18. "Future-Proofing" Water Piping Infrastructure: PVCO Gilbert Garcia <i>JM Eagle</i>	11:15 am – 12:00 pm	
LUNCH 12:00 - 1:30 pm (Kamehameha Exhibit Hall I)								
1:30 pm – 2:15 pm	19. County of Maui DOW Transitions from Chlorine Gas to Onsite Chlorine Generation Tony Linder & Robert Crow <i>County of Maui & Aqueous Vets</i>	20. Optimizing Capital Improvement Program to Meet Your Needs Bryan Wienand & Sudhir Pardiwala <i>County of Kauai & Raftelis Financial Consultants</i>	21. Comparing Future Groundwater Recharge Estimates for Maui Alan Mair <i>USGS Pacific Islands Water Science Center</i>	22. Increasing Energy Independence at Laguna Wastewater Treatment Plant Alex Banks <i>Trane Renewable Energy & Power</i>	23. Hawaii County Dept of Water Supply Water Audit Judy Hayducsko <i>Hawaii Department of Water Supply</i>	24. Coatings 101 Andy Sterling <i>Mobile Pipe Lining & Coating</i>	T O P O P S E V E N T S	1:30 pm – 2:15 pm
2:15 pm – 3:00 pm	25. Socio-hydrology: Better connecting science and decision-making in an uncertain future Aida Arik <i>UH Manoa</i>	26. Cost/Benefit Decision-Making for Cesspool Replacement Alternatives Kirsten Oleson <i>University of Hawaii</i>	27. Results from Investigating Climate Change Impacts on Honolulu Rob Renner & Barry Usagawa <i>Water Research Foundation & Honolulu Board of Water Supply</i>	28. Microscreening for Advanced Primary Filtration - Pilot Testing at Sand Island WWTP John Lewis <i>Huber Technology, Inc.</i>	29. Panel Discussion: County Water Department’s Water Audit Experiences Moderator Neal Fujii <i>Commission on Water Resource Management</i>	30. Methods of Pipe Repair Scott Bennett <i>Romac Industries, Inc</i>	2:15 pm – 3:00 pm	
BREAK 3:00 - 3:30 pm – Coffee and Tea (Kamehameha Exhibit Hall I)								
3:30 pm – 4:15 pm	31. How Your SRF Project Can Comply with the American Iron and Steel Requirements Jorge Medrano <i>US EPA HQ</i>	32. Effective Strategies of Navigating SCADA System Upgrades Tony Ali, Stephanie McGregor, & Juan Rivera <i>Jacobs & County of Maui</i>	33. Sea Level Rise Impacts Below Our Feet: Modeling Groundwater Infiltration Adrienne Fung <i>UH Manoa</i>	34. Development of a New Aeration control Method for MBRs Brian Codianne <i>Kubota</i>	35. Digging Deeper Into Water Loss Reduction Beyond Water Audits – A Case Study Brian Skeens <i>Jacobs</i>	36. Friction Loss in Water Systems Paul Leonard <i>Pacific Pump & Power</i>	3:30 pm – 4:15 pm	
4:15 pm – 5:00 pm	37. Groundwater Protection Strategy: Monitoring for Emerging Contaminants of Concern Daniel Chang <i>DOH-SDWB</i>	38. Micro-metering –Replacing Traditional Practice of Smoke Testing and CCTV Dave Belomy <i>ADS Environmental Services</i>	39. Panel Discussion: Honolulu Climate Change Resilience Actions Moderator Daniele Spirandelli <i>UH Manoa</i>	40. Monitoring Tools for Wastewater and Discharge Process Control Amanda Scott <i>Suez Water Technologies</i>	41. DWSRF Loans for Public Water System Infrastructure Renewal Joan Corrigan & Alan Dillon <i>DOH-SDWB</i>	42. Backflow Basic Hydraulics and Why & How for Detector Assemblies Sean Perry <i>Watts Constructors</i>	4:15 pm – 5:00 pm	
MEET AND GREET RECEPTION 5:00 pm (Kamehameha Exhibit Hall I)								

Color Key: Water Wastewater Water/Wastewater Stormwater

2019 Pacific Water Conference – Technical Program Schedule

Thursday, February 21, 2019								
Time	Room 301 A/B	Room 311	Room 312	Room 314	Room 315	Kamehameha Exhibit Hall I	Time	
8:00 am – 8:45 am	43. Hawaii DLNR Statewide General Flood Control Plan (SSGFCP) Website Christopher Stoll <i>AECOM</i>	44. Implementation of Hawaii Water Quality Standards for Nutrients in NPDES Permits Robin Knox <i>Maui Ocean Center</i>	45. One Water in Hawaii: Past, Present, and Future Christin Reynolds <i>One World One Water</i>	46. Investing in Infrastructure Resilience Karen Edwards <i>US EPA HQ</i>	47. Inside Scoops: The BWS Conservation Program Brittney Higuchi & Marcus Meaney <i>Honolulu Board of Water Supply & Honeywell</i>	48. Ensuring the Best Results from Grab Samples: Cl ₂ , pH, NTU, and Titrations Roger Sedlacek <i>Hach</i>	O P S C H A L L E N G E E V E N T S	8:00 am – 8:45 am
8:45 am – 9:30 am	49. Updating Honolulu’s Stormwater System to Meet CWA Requirements Robert Bourke <i>Retired</i>	50. Designing Water and Wastewater Treatment Plants with Operators and Maintenance Personnel in Mind Kenneth Schnaars <i>Brown and Caldwell</i>	51. One Water LA 2040 Plan: Working Better Together Inge Wiersema <i>Carollo Engineers, Inc.</i>	52. Panel Discussion: To Advance Resilience – You Must Design with Community in Mind Moderator Nancy Convard <i>Stantec</i>	53. Utilization of Pressure/Leak Monitoring Technologies for System Optimization Virgil Diaz <i>Mueller Co.</i>	54. Modern Ductile Iron Pipe Restrained Joint Demonstration Dan Brauch <i>US Pipe</i>		8:45 am – 9:30 am
BREAK 9:30 - 10:15 am – Coffee, Tea and Prizes (Kamehameha Exhibit Hall I)								
10:15 am – 11:00 am	55. Can Low Impact Development (LID) techniques be used to remove Toxoplasma gondii? Amanda Cording <i>UH WRRC</i>	56. Integrated Wastewater Management: The Future of Wastewater Management George Tchobanoglous <i>UC Davis College of Engineering</i>	57. Hawaii’s Watershed Partnerships, Native Forests and Source Water Protection Melissa Fisher & Cheyenne Perry <i>The Nature Conservancy & The Mauna Kea Watershed Partnership</i>	58. 2018 GWA Water Resources Master Plan Update: The Next 20 Years Andrew Fugal & Michelle Sorensen <i>Brown and Caldwell</i>	59. Navigating the “New Normal”: Aligning Water Rates, Revenue and Conservation Mary Ann Dickinson <i>Alliance for Water Efficiency</i>	60. Six Ways to Get a Better Understanding of Your Collection System Dave Belomy <i>ADS Environmental Services</i>		10:15 am – 11:00 am
11:00 am – 11:45 am	61. Introduction to the National Green Infrastructure Certification Program Lauren Roth Venu <i>Roth Ecological</i>	62. Thinking Big: Considerations and Case Studies for Large MBR Retrofits Andrew Gilmore <i>Carollo Engineers, Inc.</i>	63. Lo’i Kalo Contributes to Groundwater Recharge at two Oahu sites Kim Falinski & Fred Reppun <i>The Nature Conservancy & UH Manoa</i>	64. A Flint Case Study Angela Hengel <i>RCAC</i>	65. AWE Landscape Transformation Research Project: Water Analytics Thomas Chesnutt <i>A&N Technical Services, Inc.</i>	66. Updates to 2019 AWWA C-105 Corrosion Protection Standard for DI Pipe John Johnson <i>McWane Ductile</i>	11:00 am – 11:45 am	
LUNCH, EXHIBIT, AND NETWORKING BREAK 11:45 am - 1:45 pm (Kamehameha Exhibit Hall I)								
1:45 pm – 2:30 pm	67. Follow the Drop – Stormwater Curriculum and Mobile App Ashley Morrow <i>Roth Ecological</i>	68. Wastewater Cost of Service Study: East Bay MUD Experience Sanjay Gaur <i>Raftelis Financial Consultants</i>	69. Potable Reuse: Tackling Regulatory, Technical, and Public Engagement Hurdles Jeff Mosher <i>Carollo Engineers, Inc.</i>	70. Response to E. coli Contamination in a Drinking Water System Jennifer Nikaido & Maleeyah Machado <i>DOH-SDWB & Pural Water Specialty</i>	71. Effective Water Education & Community Outreach Programs with Project WET Jonell Kaohelaulii <i>Kauai Department of Water</i>		1:45 pm – 2:30 pm	
2:30 pm – 3:15 pm	72. Third Party Construction Inspection Program: Stormwater BMPs Lessons Learned Branden Ibara <i>Jacobs</i>	73. Ammonia Based Aeration Control Improves Effluent and Reduces Operating Cost Robert Smith <i>YSI</i>	74. Strategies for Increased Water Recycling in Hawaii Bahman Sheikh <i>Bahman Sheikh Water Reuse Consulting</i>	75. Hawaii Rural Small Water & Wastewater Response Network (WARN) Juanita Colon & Kevin Baughman <i>Hawaii Rural Water Association & Rural Community Assistance Corporation</i>	76. Design for Pipeline Settlement Chris Sundberg <i>Victaulic</i>		2:30 pm – 3:15 pm	
3:15 pm – 4:00 pm	77. AWWA Visiting Officer Presentation	78. Highlights from WEF Jenny Hartfelder <i>WEF Immediate Past President</i>	79. Panel Discussion: Maintaining an Identity in the One Water Movement Moderator Christin Reynolds <i>One World One Water</i>	80. Small Water Systems Roundtable Joy Gannon <i>Pulama Lanai</i>	81. EPA Drinking Water Regulatory Update Anna Yen <i>EPA Region 9</i>		3:15 pm – 4:00 pm	
4:00 pm – 4:45 pm	AWWA General Membership Meeting	HWEA General Membership Meeting					3:45 pm – 4:30 pm	
BANQUET 5:00 pm (Room 313 A/B/C)								

Color Key: Water Wastewater Water/Wastewater Stormwater