

## WaterReuse Association Northern California Chapter Meeting

Friday, December 07, 2018 8:30 am – 1:00 pm

### Agenda

East Bay Municipal Utility District EBMUD: [375 11th St, Oakland, CA 94607](http://www.ebmud.com)

## WATER REUSE OUTSIDE OF CALIFORNIA

8:30 – 9:00	<b>Breakfast and Networking</b>
9:00 – 9:15	<b>Welcome/Introductions</b> Rhodora Biagtan, President, Northern California Chapter of WaterReuse Linda Hu, EBMUD
9:15 – 9:40	<b>Integrated Water Management in Singapore</b> Melanie Tan, Kennedy Jenks Consultants
9:40 – 10:05	<b>SWIFT: An Innovative Approach to Managed Aquifer Recharge Using Purified Recycled Water in Virginia.</b> Larry Schimmoller, Jacobs
10:05 – 10:35	<b>Networking Break</b>
10:35 – 11:00	<b>Water Reuse in the Granadines</b> Peter Haase, Acqualogic
11:00 – 11:25	<b>Water Reuse in Chile</b> Dan Lopez, Black & Veatch
11:25 – 11:45	<b>WaterReuse California Updates</b> Rich Nagel and Charles LaSalle, WaterReuse California
11:45 – 12:00	<b>Closing Remarks and Northern California Chapter Officers Election</b> Rhodora Biagtan, President, Northern California Chapter of WaterReuse
12:00 – 1:00	<b>Lunch and Networking</b>

A special thank you to our sponsors:





## **Speaker Biographies:**

### **Melanie Tan**

Melanie Tan has more than ten years of experience in water utility policy development, facility planning, and operations. Her particular expertise is in the area of efficient utilization of all sources of water through development of water recycling policies, integrated water master planning, risk and crisis management, careful technology selection and applied research. Her broad experience working at the Singapore Public Utilities Board is highly applicable to California given the current drought and the accelerated implementation of indirect and direct potable water reuse. In her current role at Kennedy/Jenks Consultants, she works on numerous recycled water planning and feasibility studies in Northern California.

### **Larry Schimmoller**

Larry Schimmoller is Jacobs' Global Technology Leader for Water Reuse. He has extensive experience with the design, construction, and operation of potable and non-potable reuse projects throughout the country and abroad, and has served as the Principal Investigator on several water reuse research projects. Larry received a Bachelor's degree in civil engineering from Clarkson University and a Master's degree in environmental engineering from the University of Illinois at Urbana-Champaign.

Hampton Roads Sanitation District (HRSD) has developed an innovative program called the Sustainable Water Initiative for Tomorrow (SWIFT) that will address several regional environmental challenges through managed aquifer recharge (MAR). The ambitious program will provide advanced treatment to over 120 MGD of secondary effluent and inject the purified recycled water into the Potomac Aquifer System (to alleviate depleted groundwater levels and reduce HRSD's nutrient discharge to the sensitive Chesapeake Bay).

### **Peter Haase**

Peter Haase is a Principal Engineer with Fall Creek Engineering and CTO for Acqualogic, Inc. He has over 31 years of professional experience and is a recognized leader in decentralized water, wastewater and stormwater management, low impact development, and has international experience in the water, sanitation and hygiene (WASH) sector. Peter has completed engineering design and planning studies throughout California, China, Mexico, Hawaii, Fiji, Honduras, Costa Rica, Granadines (West Indies), Liberia, Rwanda, and Haiti. Peter recently completed a case study of a small water reuse project for the Petit St. Vincent Resort in the Grenadine Islands in the Caribbean. The project involved installing a multi-stage biological treatment system and drip irrigation system to reuse treated effluent for landscape irrigation on the island.

### **Dan Lopez**

Dan Lopez is a Senior Project Manager for Black & Veatch in their Walnut Creek office. Since graduating from U.C. Berkeley more than 27 years ago, he's been developing water, wastewater, and water reuse projects. Dan specializes in alternative water supply and membrane treatment technology projects such as the Escondida Water Supply in Chile - the largest seawater desalination plant in the Americas.

**Rich Nigel**

Rich Nagel recently joined CH2M (now Jacobs) and serves as Vice President in the Los Angeles office. Prior to joining CH2M, Rich has 31 years of experience in public service with water utilities, most recently as General Manager of the West Basin Municipal Water District (WBMWD) from 2006 to 2017. Under his guidance, WBMWD obtained the first permit in California to deliver 100% indirect potable reuse water to the Water Replenishment District of Southern California and injected by Los Angeles County Department of Public works into West Coast Basin Barrier Injection Well System. Rich currently serves as a President of the California WaterReuse Association and Vice Chair of the Urban Water Institute. He recently joined the boards of the Council for Watershed Health and the Southern California Water Coalition.

**Charles LaSalle**

Charles LaSalle began work at WaterReuse CA in 2017, doing regulatory advocacy on issues impacting California's recycled water. Charles Previously worked for the California Transportation Foundation working on regional transportation issues and conference organizing. Before that he worked for Northwestern Mutual. He is a graduate of CSU Sacramento with a degree in Economics.