



CWEA IN-PERSON SEMINAR

Professional Development Committee

Climate Change and Sustainability

Gain Insights on Key Principles, Tools, Approaches, and Specific Projects Aimed at Mitigating the Impacts of Climate Change on Our Built Environment

THE SPEAKERS / THE TOPICS

Resiliency: What Does It Mean to You and How Do You Plan for It?

Melanie Tan, Black & Veatch



How Honolulu's Sand Island Sewer Basin is Preparing for Climate Change

Rachel Duncan, Carollo Engineers



Climate Change Design Guidelines Toolkit, City and County of Honolulu

Summer Bundy, Stantec



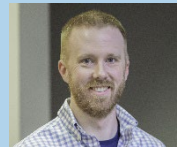
Beyond Water Levels: Climate Resilience for Dams and Levees in a World of Changing ... Weather

Rebecca Verity, GEI



Shoreline Reach 1 Levee, US Army Corps of Engineers San Francisco, Alviso / San Jose

Daniel Teak, HDR



Climate Positive Design in the Landscape

Ben Woodside and Dan Miller,

Callander Associates Landscape Architecture



WHO SHOULD ATTEND

Planners, Engineers, Project Managers, Program Managers, and other water/wastewater professionals interested in learning more about climate change mitigation and adaptation, as well as potential impacts to their infrastructure

PROGRAM AGENDA HIGHLIGHTS

Earn Up To 5.5 Contact Hours

What are water/wastewater agencies doing to address climate change adaptation and the potential impacts to their infrastructure?

Join us to learn about:

Planning - Climate change vulnerability assessment and resiliency planning approaches

Design - Design tools to develop capital projects resilient to climate change and contributing to greenhouse gas (GHG) emissions reduction efforts

Examples - Case studies of resilient infrastructure projects that are designed to withstand the challenges posed by climate change

Innovation - Innovative approaches to infrastructure development that promote environmental sustainability and climate resilience

[**REGISTER ONLINE**](#)

REGISTRATION DETAILS

Registration Deadline:

Tuesday, April 23, 2024 at 5 pm

Space is Limited / No Walk-ins Accepted

Continental Breakfast and Lunch Provided

Speakers / Topics Subject to Change

For More Information:

Kevin Jim, (510) 287-1608 | Kevin.Jim@ebmud.com

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WHEN:

Tuesday, April 30, 2024

8:30 am – 3 pm (PDT Time Zone)

Registration Opens at 8 am

WHERE:

East Bay Municipal Utility District (EBMUD)

375 11th St. (Training Room-Second Floor), Oakland

COST:

\$120 CWEA Members / \$160 CWEA Non-Members

\$20 Student Members / \$40 Student Non-Members

Note: Topics and Speakers Subject to Change







Climate Change and Sustainability In-Person Seminar

April 30, 2024 / Program Begins Promptly at 8:30 AM

PROGRAM AGENDA



(subject to change without prior notice)

Topic	Speaker
<p>Resiliency: What Does it Mean to You and How Do You Plan for It? (50 minutes) This presentation will discuss the multiple dimensions of resiliency - climate mitigation and adaptation, energy resiliency, community engagement – and how it affects water and wastewater agencies. Case studies of how resiliency planning has been implemented across the country will be shared.</p>	<p>Melanie Tan Resilience Solutions Director West, Black & Veatch</p> 
<p>How Honolulu’s Sand Island Sewer Basin is Preparing for Climate Change (50 minutes) The Climate Change Vulnerability Assessment and Resilience Plan for Honolulu’s Sand Island Sewer Basin assessed the threats posed to facilities by flooding events and climate change impacts and recommended adaptive management strategies to address these threats. The analysis focused on the Sand Island Wastewater Treatment Plant and 17 wastewater pump stations.</p>	<p>Rachel Duncan Senior Engineer, Water Resources and Resilience, Carollo Engineers</p> 
<p>Climate Change Design Guidelines Toolkit, City and County of Honolulu (25 minutes) A Climate Change Design Guidelines (CCDG) Toolkit will be presented as an aid to support project teams in developing capital projects that are resilient to climate change and mitigate greenhouse emissions. The Toolkit addresses the climate change hazards of sea level rise, storm surge, extreme precipitation, extreme heat, and drought.</p>	<p>Summer Bundy Coastal Resiliency & Climate Change Adaptation Regional Sector Leader, Water Pacific Region, Stantec</p> 
<p>Beyond Water Levels: Climate Resilience for Dams and Levees in a World of Changing...Weather (50 minutes) Water managers are rightly focused on the increasing size and frequency of flood events. But floods are only one component of our changing climate risks. This talk will illustrate concerns and offer example solutions for the threats that heat, wildfire, drought, big wind and compound weather also pose to infrastructure, maintenance, and operations in the water management world.</p>	<p>Rebecca Verity Program Manager, Climate Adaptation and Resilience, GEI</p> 
<p>Shoreline Reach 1 Levee, US Army Corps of Engineers San Francisco, Alviso/San Jose (50 minutes) This presentation will focus on the feasibility study, design, and current construction of a 4400-foot-long coastal levee. Reach 1 is part of a larger program to provide protection to Alviso, California, and the San Jose-Santa Clara Regional Wastewater Facility.</p>	<p>Daniel Teak Project Manager, HDR</p> 
<p>Climate Positive Design in the Landscape (50 minutes) At all scales, sustainable design, achieved through planning and designing in conjunction with local ecosystems, is integral to the long-term health and resilience of communities. Discussion will focus on informing the public about the value of sustainable design, the role landscape architecture plays in addressing climate change in public projects using artful design and reasonable solutions to promote sustainability based on scale, and long-term maintenance considerations. The speakers will include case-studies of Sacramento’s 35th Ave. Demonstration Garden and SMUD Headquarters renovation project.</p>	<p>Ben Woodside President Dan Miller Senior Associate</p>  <p>Callander Associates Landscape Architecture</p>