

## BAYWORK Training Buffet 2019 Class Summaries

### Morning Sessions

**Title:** Emerging Drinking Water Regulations that May Affect You as Operator

**Description:** Recent concerns on emerging contaminants including PFAS and microplastics have driven legislature on federal and State levels to push forward rulemaking to regulate these contaminants in a fast-paced manner. This translates into fast-paced actions by regulatory agencies like USEPA and SWRCB DDW that will affect the drinking water systems. In addition to these contaminants, the long-awaited Lead and Copper Rule revision finally arrives. This class will also present a preliminary analysis of the proposed rule from a utility viewpoint and see what effects it will have on a water system.

**Instructor:** Eddy So, Senior Engineer, San Francisco Public Utilities Commission

**Scheduled Time:** 8:30-9:30 a.m.

**Time:** 1 hour

**CWEA contact hour:** 1 LAB only

**SWRCB contact hour:** 1

**Title:** Innovation Models of Practice: Pipeline Rebuild

**Description:** Finding and developing efficient, cost-effective, and innovative solutions to address the aging pipeline infrastructure is critical for utilities to repair and replace their water distribution pipelines. As part of the East Bay Municipal Utility District's Pipeline Rebuild effort, an innovation workflow cycle was developed to document current practices and pilot new technologies and methods to streamline its pipeline replacement program. Each pilot project starts with a value proposition and concludes with a peer reviewed paper with metrics, findings, and recommendations. This business model highlights tools for collaboration, proven methods to innovate and document project findings, and effective processes for communicating and implementing change in a large water utility. This session is geared towards engineers, planners, inspectors, construction and maintenance staff, and system water quality personnel.

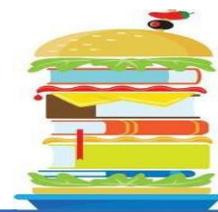
**Instructors:** David Katzev, Senior Civil Engineer, East Bay Municipal Utility District

**Time:** 1 hour

**Scheduled Time:** 8:30-9:30 a.m.

**CWEA contact hours:** 1

**SWRCB contact hour:** 1



## Title: How to Handle Water Complaints

**Description:** Drinking water consumer complaints should be an integral part of all drinking water monitoring programs. In this session you will learn the importance to monitor consumers' complaints and techniques to improve consumer complaint handling procedures.

**Instructor:** Ana Corti, Water Quality Analyst Lab Director, City of Pittsburg

**Time:** 2 hours

**Scheduled Time:** 8:30-10:30 a.m.

**CWEA contact hours:** 2

**SWRCB contact hours:** 2

## Title: Career Pathways: Stories from Panelists

**Description:** Hear compelling stories from panelists with varied water industry backgrounds including water treatment operator, construction and distribution manager, instrument technician, and district secretary. Learn what they did to get to where they are today.

**Panelists:** Anthonio Martinez, EBMUD, Dane Wilkins, Instrumentation Technician, Zone 7 Water, Rischa Cole, Secretary of the District, Nick Hansen, Senior Wastewater Treatment Plant Operator, Central Contra Costa Sanitary District

**Time:** 2 hours

**Scheduled Time:** 8:30-10:30 a.m.

**CWEA contact hours:** 2

## Title: Mobile Data Collection Implementation

**Description:** Taking your GIS and CMMS mobile and putting it in the field pays dividends. With a focus on Central San's sewer Collection System Operations Division, we will explore what going mobile can look like. We will explore our goals, challenges, change management, successes, and how mobile GIS/CMMS facilitated systemic optimization and empowerment.

**Instructor:** Ian Morales, GIS Analyst- Central Contra Costa Sanitary District

**Time:** 1 hour

**Scheduled Time:** 9:30-10:30 a.m.

**CWEA contact hour:** 1

**SWRCB contact hour:** 1



## Title: A Look Inside Control Valves and How We Use Them

**Description:** This session will be a presentation on the City of Pleasanton's control valves, including a discussion on pressure-reduction, relief, altitude, and flow control using CLA-VAL products.

**Instructors:** Danny Ward, Lead Utilities Operator and Leo Lopez, Training and Emergency Services Manager, City of Pleasanton

**Time:** 1 Hour

**Scheduled Time:** 9:30-10:30 a.m.

**CWEA contact hour:** 1 CSM; ECI; PM; MT; E/I; OP; BLAM only

**SWRCB contact hour:** 1

## Title: Lessons Learned from an Advanced Wastewater Treatment Plant

**Description** The Silicon Valley Advanced Water Purification Center is the largest of its kind in Northern California. It's been online since March 2014 and utilizes membrane technology to purify wastewater to near-distilled quality. In this class, you will hear a few of the lessons learned from maintaining and operating its complexed system.

**Instructor:** Lale Eristurk, Associate Civil Engineer, Water Quality, Valley Water

**Time:** 1 hour

**Scheduled Time:** 10:30-11:30 a.m.

**CWEA contact hour:** 1

## Title: A Comparative Look at Water Resources Management in California

**Description:** Overview of differences in water supply and demand planning strategies across California, focused primarily on Northern California (Bay Area) and the Central Valley. Insights to how these areas manage water resources can help professionals better understand the complex system of state-wide assets, and how to work more collaboratively across regions.

**Instructor:** Brad Arnold, Senior Water Resources Specialist, Valley Water

**Time:** 1 hour

**Scheduled Time:** 10:30-11:30 a.m.

**CWEA contact hour:** 1

**SWRCB contact hour:** 1



## **Title:** Hiring Managers! Attract and Hire the Top Candidates

**Description:** We'll help you with strategies for attracting and hiring the top candidates, from initial planning of the recruitment through the final selection. Our overview provides a step by step explanation of how to plan the recruitment by focusing on your ideal candidate and designing the job posting to target those individuals. We will highlight the elements of the job posting, how to effectively use supplemental questions, advertising, screening applications to determine the top candidates to interview, and developing a full array of interview questions to glean the information you need to make a sound hiring decision. Getting input from your interview panel, conducting reference checks, getting a full picture is key to picking the best addition to your team. Partner with your Recruiter, keep the applicants interested, and make the effort worthy of a 20-year decision (because many are!) This workshop is designed for all water and wastewater staff.

**Instructors:** Peggy Donatelli, Recruitment Program Administrator, Laurel Hanchett, Recruiter, Valley Water

**Time:** hour

**Scheduled Time:** 10:30-11:30 a.m.

**CWEA contact hour:** 1

**SWRCB contact hour:** 1

## **Title:** Central San's Approach to Pollution Prevention

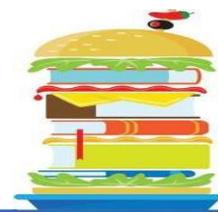
**Description:** Central San has been a leader in pollution prevention (P2). From operating its own Household Hazardous Waste Collection Facility to partnering with cities and other non-profit organizations to leverage P2 efforts, come and learn about the secrets to the success of Central San's P2 Program.

**Instructor:** Colleen Henry, Senior Environmental Compliance Inspector, Central Contra Costa Sanitary District

**Time:** 1 hour

**Scheduled Time:** 10:30-11:30 a.m.

**CWEA contact hour:** 1 CSM; ECI; LAB; OP; BLAM only



## Afternoon Sessions

### Title: Operator III, IV, or V Certification: Tips & Tidbits

**Description:** Come hear from a panel of your fellow operators who took a Grade III, IV or V test in April or September. Find out what went right, what went wrong, and advice for future certification prep. Learn strategies for success--before, during, and after the test.

**Instructors:** Meryl Abramson, City of Hayward; Steven Andersen, Operator-in-Training, Dublin San Ramon Services District, Joe Mello, Supervising Plant/Pipe Mechanical Tech, Valley Water

**Time:** 1 hour

**Scheduled Time:** 12:30-1:30 p.m.

**CWEA contact hour:** 1, OP

**SWRCB contact hour:** 1

### Title: Emergency Preparedness and Response Panel Discussion

**Description:** Keeping employees safe through a myriad of emergencies should be any organization's goal. Also, maintaining operational reliability in emergencies helps ensure public safety and the availability of water resources. Come hear what several Emergency Response managers have to say about this critical topic.

**Panelists:** Alexander Gordon, Emergency and Security Manager, Valley Water; Jim Keller, Operations Manager, Napa San; Leo Lopez, Training and Emergency Services Manager, City of Pleasanton, Navneet Virk, Senior Software Engineer, EBMUD

**Time:** 2 Hours

**Scheduled Time:** 12:30-1:30 p.m.

**CWEA contact hours:** 2

**SWRCB contact hours:** 2

### Title: Managing Culture Change: A Proactive Approach to Address Workforce Changes

**Description:** This workshop will review EBMUD's approach to implementing a values and organizational improvement process intended to facilitate the assimilation of new talent and engaging existing employees in building a high performing culture to carry out the organization's mission.

**Instructor:** Derry Moten, Manager of Employee & Organizational Development, EBMUD

**Time:** 1 hour

**Scheduled Time:** 12:30-1:30 p.m.

**CWEA contact hour:** 1

**SWRCB contact hour:** 1



## **Title:** Interviewing Skills & Techniques to Help Achieve your Career Goals

**Description:** Help your employees prepare themselves to successfully compete for promotions within your organization, from filling out the job application to making a best impression in the interview. Our overview provides a strategic guide in preparing to competitively interview for positions when competing against fellow employees and outside applicants. We cover the basics, such as understanding the purpose of interviews, to key skills such as conducting a self-assessment, anticipating questions, and forming organized, thoughtful responses. We advise against the common interview mistakes, provide tips and strategies, and suggestions to help practice so they will be ready for that big opportunity. This workshop is designed for all water and wastewater staff.

**Instructors:** Peggy Donatelli, Recruitment Program Administrator, Laurel Hanchett, Recruiter, Valley Water

**Time:** 1 hour

**Scheduled Time:** 12:30-1:30 p.m.

**CWEA contact hour:** 1

## **Title:** Fundamentals of Produced Water in the Oil and Gas Industry

**Description:** Produced water (PW) is the largest byproduct by volume generated from the oil and gas industry, it is becoming a global concern due to its complex composition and stringent environmental regulations associated with PW discharge. This presentation will highlight the conventional PW treatment and disposal practices, disadvantages and challenges. The presentation will also introduce a promising electrochemical technology known as “Electrocoagulation” that could potentially overcome existing challenges.

**Instructor:** Deina Aly, Sanitary Engineer, City of San Jose - Regional Wastewater Facility

**Time:** 1 hour

**Scheduled Time:** 1:30-2:30p.m.

**CWEA contact hour:** 1

**SWRCB contact hour:** 1



## Title: Got Internships? How to Build Internships for Your Utility

**Description:** The combination of technical training and internships has the highest rate of success in terms of employment after training and career success. This session will provide you with information, tools, and activities to enable you to develop internship programs at your utilities. Lessons learned and examples from Bay Area utilities are highlighted. This session is for anyone who needs to develop, design, implement and administer Internship Programs for skilled trades.

**Instructor:** Catherine Curtis, BAYWORK Chair and Workforce Reliability Manager, San Francisco Public Utilities Commission, Wastewater Enterprise

**Time:** 1 hour

**Scheduled Time:** 1:30-2:30 p.m.

**CWEA contact hour:** 1

**SWRCB contact hour:** 1

## Title: Onsite Water Reuse Transforming Water Management in San Francisco

**Description:** This session will provide a brief overview of San Francisco's Onsite Water Reuse Program, including examples of projects implementing onsite water reuse systems in San Francisco and lessons learned in the design and implementation of onsite water reuse systems.

**Instructor:** Taylor Chang, Water Resources Analyst, San Francisco Public Utilities Commission – Water Resources Division

**Time:** 1 Hour

**Scheduled Time:** 1:30-2:30 p.m.

**CWEA contact hour:** 1

**SWRCB contact hour:** 1

