



FEB
22

Asset Management for Wastewater Utilities

EVENT INFO

WEDNESDAY, FEBRUARY 22, 2023
7:30 a.m. to 4:00 p.m.

Continental breakfast & lunch included. Bring your own reusable water bottle, if desired.

REGISTRATION

\$185 Member

\$235 Non-Member

LOCATION

EBMUD
Administration Training Room
375 11th Street
Oakland, CA 94607

Located near the 12th St/Oakland BART Station; if driving, use nearby public lots or garages for parking.

REGISTER ONLINE

events.cwea.org

QUESTIONS?

Email Kevin Jim at
kevin.jim@ebmud.com

Interested in being a workshop sponsor? Contact Amy Lai at 510.382.7800 ext. 103 or alai@cwea.org for more details

California's aging facilities are deteriorating, but what tools are available and how do we apply them to help address our facilities' near-term and long-term needs? CWEA's Engineering and Research Committee is proud to present this full-day workshop on the fundamentals and applications of asset assessment and management for wastewater utilities.

Engineers, operators, mechanics, construction managers, and electrical and I&C technicians are all welcome to join. **Earn up to 7.5 Contact Hours.**

What you'll gain from the workshop:

- A comprehensive understanding of basic asset management concepts
- Insights on choosing the right computerized maintenance management system (CMMS) software, as well as common pitfalls to avoid
- Best practices and lessons learned from application of asset management at wastewater utilities in Northern California
- Demonstration of innovative technology applications for effective asset management



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TIME	EVENT
7:30 - 8:00 a.m.	REGISTRATION
8:00 - 8:10 a.m.	Introduction
8:10 - 8:35 a.m.	Beginning with the End in Mind Lani Good, Black & Veatch
8:35 - 9:25 a.m.	How to Create a Successful Asset Management Program Xavier Irias, Woodard & Curran
9:25 - 10:15 a.m.	Choosing the Right CMMS and Implementation Lessons Learned Allan Scott, HDR
10:15 - 10:30 a.m.	BREAK
10:30 - 11:20 a.m.	San Jose Regional WWTP Yard Piping Inspection & Rehabilitation Program Derek Wurst, Clinton McAdams, and Jesse Wallin, Black & Veatch
11:20 - 11:45 a.m.	Technology Application Using Holobuilder 360 Degree Software Model Jesse Wallin and Guy Yager, Black & Veatch
11:45 - 12:45 p.m.	LUNCH
12:45 - 1:35 p.m.	Union Sanitary District Pump Stations Asset Management Case Study Hansa Keswani and Sean Pour, Hazen and Sawyer
1:35 - 2:25 p.m.	Goleta Sanitary District - Phased Approach to Planning for Sustainable Future Hansa Keswani and Sean Pour, Hazen and Sawyer
2:25 - 2:35 p.m.	BREAK
2:35 - 3:00 p.m.	Keeping the Juices Flowing: Maintenance and Management of Chemical Storage and Feed Equipment Leo DoCarmo, USP Technologies
3:00 - 3:50 p.m.	Asset Management: Connecting Stakeholders for Better Tomorrow Nitin Goel, Central Contra Costa Sanitary District
3:50 - 4:00 p.m.	CLOSING

COVID PROTOCOLS

- If you're not feeling well, please stay home
- We're actively monitoring local and state health advisories, stay tuned for updates

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SPEAKER BIOS

LEO DOCARMO, SERVICE AND PROJECT MANAGEMENT DEPARTMENT MANAGER, USP TECHNOLOGIES,

Leo is currently Equipment Service and Project Management Department Manager at USP Technologies, responsible for all aspects of equipment performance across USP's North American installations. During his 16 years with USP Leo has held positions as Equipment Field Service Tech, Equipment Installer Technician and Project Manager and in 2016, received his Bachelor's in Business Administration and Project Management. When not totally occupied with keeping most of USP's chemical treatment systems operating, Leo pursues his passions for mechanics, muscle cars, motorcycles, deep-sea fishing, and most of all, his family of three children and his brand-new grandson.

NITIN GOEL, OPTIMIZATION MANAGER, CENTRAL CONTRA COSTA SANITARY DISTRICT

After building a strong technical foundation as a consulting engineering for close to a decade, Nitin moved to Central San, first focusing on planning work, then transitioning to asset management and pre-design of treatment plant projects. Nitin currently serves as Optimization Manager with broad responsibilities for all districtwide optimization efforts. Nitin has a passion for helping his team grow and evolve professionally and collaborating with workgroups all over the organization to provide better work products.

LANI GOOD, REGIONAL PLANNING & ASSET MANAGEMENT LEAD, BLACK & VEATCH

Lani specializes in water and wastewater planning, asset management, and regulatory compliance. Lani is an expert in guiding utilities of all sizes through the decision-making process, from long-term asset management and capital improvement planning to urgent regulatory compliance projects. Lani has completed over 25 water and wastewater master plans and developed capital improvement and/or rehab/replacement plans for over 30 utilities and 50 capital programs. She has assessed the condition of over 350 miles of large-diameter sewers and 1,700 miles of sewer mains and managed the condition assessment of more than 50 pumping and treatment facilities.

XAVIER IRIAS, SENIOR TECHNICAL LEADER WATER INFRASTRUCTURE, WOODARD & CURRAN

Xavier has over 35 years of professional experience in the fields of water resources and engineering. He serves as the Senior Technical Practice Leader of Infrastructure and Design. Xavier's professional experience spans strategic planning, water, and wastewater engineering, risk, and financial management. As the former Director of Engineering for a major California water & wastewater utility, Xavier has extensive experience developing and implementing capital programs and delivering complex projects while working with a variety of stakeholders through planning, design, and construction.

HANSA KESWANI, ASSET MANAGEMENT SPECIALIST, HAZEN AND SAWYER

Hansa has over 10 years of experience in asset management, condition assessment, data analytics and database development in water, wastewater and stormwater projects. Hansa has expertise in proposal development, capital prioritization planning, risk assessment studies of various engineering and construction projects and digital solutions support. With a wide range of experience within the water industry, Hansa is a well-rounded consultant and is constantly implementing innovative tools and technologies to support her work.

CLINTON MCADAMS, REGIONAL CONDITION ASSESSMENT LEAD, BLACK & VEATCH

Clinton helps utilities navigate the dilemma of infrastructure degradation by implementing asset management strategies. Emphasizing the importance of resolution and coverage during data collection has enabled him to provide successful programmatic solutions for managing asset lifecycles. He leverages experience from the water, transportation, and power industries that included past projects such as traditional engineering design services, condition assessments, risk-based capital improvement planning, asset management program development, and contract administration.

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SPEAKER BIOS

DR. SEAN POUR, WEST ASSET MANAGEMENT PRACTICE LEAD, HAZEN AND SAWYER

Sean is the asset management practice lead for Hazen's West Region with a wide range of experience helping more than 40 utilities to be more proactive in planning maintenance, rehabilitation, and replacement activities. He has made significant advancements in developing and implementing asset management plans and asset management methodologies in his 15 years of asset management experience. His work in developing the internal capacity of utilities includes assisting clients in performing remaining asset life calculation, risk assessment, life cycle cost projection, and project validation and prioritization. In the practical application of tools, he leads teams specialized in analyzing condition data to improve the accuracy of estimating remaining effective life and risk.

ALLAN SCOTT, SENIOR UTILITY MANAGEMENT CONSULTANT, HDR

Allan Scott has more than 38 years of experience working with water and wastewater utilities, focusing on asset management implementation and related technology systems, including GIS and computerized maintenance management system (CMMS) applications. His experience includes identifying and implementing technologies to support asset management, condition assessment and capital planning, long range capital forecasting, and operations and maintenance process improvement. Allan has a master's degree in Geology and lives in Sacramento, California.

JESSE WALLIN, PROJECT MANAGER, BLACK & VEATCH

Jesse is a Project Manager with Black & Veatch and is a registered Civil Engineer in the state of California. Jesse has a passion for water and wastewater treatment related infrastructure improvements and has worked predominantly on planning, design, and construction projects throughout his 15+ year tenure with Black & Veatch. Over the last 10 years, his work has been more focused in operating wastewater treatment facilities where he has successfully managed and implemented digester gas projects, dewatering and solids handling projects, and rehabilitation of large 48"-120" buried raw sewage, primary effluent, and secondary effluent piping.

DEREK WURST, PROJECT MANAGER, BLACK & VEATCH

Derek has dedicated his career towards the assessment of water and wastewater infrastructure to help clients extend the useful life of their assets. He brings more than 20 years of engineering experience in the evaluation of water and wastewater facilities. He has served as project and engineering manager on numerous and varied infrastructure projects. During many of these projects, he has led large and diverse engineering staff, including subconsultants and teams comprised of various engineering firms. As a subject matter expert, Derek has directed and provided technical assistance in the analysis of water and wastewater infrastructure and facilities. His unique blend of effective communication and technical expertise provides the skills necessary to convey the intricacies of complex projects.

GUY YAGER, BLACK & VEATCH

Guy serves as the Chair of the WEF Students and Young Professionals Workshops Committee and is on the WEF Collection Systems Committee and Public Communications and Outreach Committee. He has experience in working on projects and programs spanning the life cycle of pipelines for conveying water, wastewater, water treatment, and storm water. His experience spans to civil and mechanical design for water and wastewater treatment plants. His project involvement has included the planning, design, condition assessment, inspection, and construction phase services for municipal water systems and treatment plants. Guy is a technology advocate with Black & Veatch and he works to improve project workflow and delivery through the use of several innovation platforms such as Holobuilder, Drones, and BIM360.

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