



21

May 2026

Thursday at Zio Fraedo's (Pleasant Hill)

## CWEA SFBS May Dinner Meeting

### The Evolving Role of Machine Learning and Artificial Intelligence Technologies in Water Management

Presented by **Sandeep Sathyamoorthy**  
Director of Water Innovation and Technology, Stantec



#### EVENT INFO

##### Zio Fraedo's (Pleasant Hill)

611 Gregory Lane  
Pleasant Hill, CA 94523

#### DATE

**THURSDAY, MAY 21, 2026**

#### SOCIAL & CHECK IN

6:00 P.M. – 6:30 P.M.

#### BUFFET DINNER

6:30 P.M.

#### PRESENTATION

7:00 P.M.

Machine learning (ML) and Artificial intelligence (AI) are rapidly emerging as disruptive technologies being applied to water and wastewater systems. The true value of ML/AI depends not on algorithms alone, but on how effectively they are integrated with engineering and operations judgement and workforce capabilities.

This presentation examines practical ML/AI applications across the water sector – including multi-day influent flow forecasting, use of soft-sensors for biological process insights – grounded in real operational constraints and scalability across diverse facilities.

Drawing on applied research and innovative real-world implementation, we'll highlight the value of modern ML/AI technologies, highlighting where ML/AI provides enhanced value, reliability and operational readiness – and where limitations remain.

The presentation emphasizes a human-AI collaboration framework, positioning ML/AI as a meta-technology enabling and augmenting, not replacing, operator expertise and engineering reasoning.



#### NEED ASSISTANCE? CONTACT

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Payment method is by credit card only. CWEA does not charge a fee. No refunds; attendee substitutions are allowed.

Contact Hours: 1.0

#### CWEA MEMBERS PRICE

\$50 / \$55

#### NON-MEMBERS PRICE

\$70 / \$75

#### STUDENTS PRICE

\$30 / \$35

