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PHOTO: HAYES MANSION

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52nd Annual
**Pretreatment,
Pollution Prevention,
and Stormwater Conference**
February 3-5 • San José



MESSAGE FROM THE CHAIR

We Are All One



I am very excited to present the **2025 Pretreatment, Pollution Prevention, and Stormwater (P3S) Conference** program to you. The central theme of this conference, unity, and the twin notions of inclusion and collaboration are very dear to me. I have been fortunate

enough to observe the transformative benefits and positive outcomes of embracing these ideals in our personal and professional lives.

In a world that often promotes division and exclusion, the importance of inclusivity cannot be overstated. Embracing diversity and ensuring everyone feels welcomed, respected, and valued is the foundation for building a more harmonious and thriving workplace and society. Inclusivity challenges us to expand our empathy, confront our biases, and recognize our common humanity.

But it is not merely a noble ideal, it is also a practical necessity that allows us to build teams that can best innovate, progress, and tackle the current challenges that face the water environment community. While innovation is born of necessity, it is augmented and powered by collaboration. Augmented by the inclusion of varied disciplines.

The benefits of collaboration among multiple disciplines are widely recognized. As our water environment evolves due to climate impacts, servicing a growing population, emerging constituents of concern, the pressing need for effective resource management—we will all be called upon to revisit and improve our practices to meet

these challenges. When individuals from diverse backgrounds and areas of expertise come together to tackle complex puzzles, they each bring a unique set of skills, perspectives, and problem-solving strategies to the table.

An engineer, for example, may approach the puzzle from a systematic standpoint, focusing on the structural components and how they fit together; an inspector, may be focused on the rules and deficiencies, and how to correct them; a field technician could provide valuable insights into how the real-world application varies from the theoretical—combined, these disciplines aid the team in understanding how best to optimize their project outcomes.

By integrating these varied viewpoints, cross-pollinating and exchanging ideas, and building upon each other's knowledge, we foster an environment of mutual learning and growth, and unlock a level of puzzle-solving prowess that far exceeds what any single discipline could achieve on its own.

Cultivating a culture of inclusivity and promoting the integration of varied disciplines through collaboration is thus a powerful message indeed, for it holds the power to transform our communities, our relationships, and ultimately, ourselves. It will allow our teams to rise to meet these challenges and, working together, empower us to leave this world better than we found it. **We Are All One!**

Best Regards,

MICHAEL PLACENCIA
CWEA P3S Committee Chair

**EARLY BIRD
DEADLINE
DEC. 9**



Conference Committee

CONFERENCE CHAIR

Michael Placencia
Colorado River Regional Water Board

PROGRAM LEAD

Shannon Simmers
City of Riverside

OPENING SESSION LEAD

Tracy Wyhlidko
City of Redding

Casey Fitzgerald
City of San José

SOCIAL EVENTS LEAD

Adrian Calderon-Flores
Oro Loma Sanitary District

FACILITY OF THE YEAR AWARDS CO-LEADS

Casey Fitzgerald
City of San José

Stephen Sealy
LACSD

ORDER OF THE SILVER COVER LEAD

Joe Lucia
Retired

FOG WORKSHOP LEADS

Ricardo Fernandez
City of San José

Jerry Barajas
City of Sunnyvale

LAB WORKSHOP LEAD

Josie Tellers
City of Davis

STORMWATER WORKSHOP LEAD

Ed Suriaga
City of San José

TRACK LEADS

Mary Thompson
City of Santa Barbara

Gorman Lau
Larry Walker and Associates

Conference Sponsors

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Exhibits and Sponsorships Manager
exhibit@cwea.org
510.382.7800 x115



Networking Events

Lawn Games at the Hayes Mansion Sunday, February 2 • 1:00-3:30 p.m.

Arriving early? Join us on the east lawn to unwind, refuel, and connect with fellow attendees while enjoying a friendly game of cornhole or hang out in the courtyard by the fire pit. Just a few steps away, is the Hayes Mansion Palm & Ember restaurant and patio, where you can purchase libations and fresh California cuisine made from locally-sourced ingredients.

Warm Welcome Sunday, February 2 • 6:00-10:00 p.m.

Join fellow conference attendees just a few minutes' drive from the Hayes Mansion at The Plex Penalty Box Bar & Grill for networking and fun. They offer an array of food and refreshment options for purchase as well as activities such as bocce ball, cornhole, darts, and more.

Networking With the Partners Monday, February 3 • 4:40-6:30 p.m.

Join us for an exciting evening of networking, hot appetizers, and refreshing drinks at this year's annual event. Reconnect with industry peers, engage with exhibitors, and forge new connections while enjoying the lively atmosphere. Plus, you could win amazing door prizes!

Be sure to visit CWEA's dedicated exhibitors to claim your complimentary drink tickets. This is a can't-miss opportunity to unwind, socialize, and celebrate with fellow attendees!

P3S Committee Meeting Tuesday, February 4 • 7:00 - 8:00 a.m.

Interested in learning more about leadership roles within the P3S Committee? Join this welcoming and inclusive meeting to find out what the committee is planning. Let the P3S Committee leaders know if you're interested in getting involved.

Free event — everyone is welcome.



Photos by Kelly Sullivan

Social Events Lead

ADRIAN CALDERON-FLORES
ORO LOMA SANITARY DISTRICT



52nd Annual
**Pretreatment,
Pollution Prevention,
and Stormwater Conference**
February 3-5 • San José



P3S SIGNATURE EVENT

Tuesday, February 4 • 6:00 p.m. - 10:00 p.m.

Event fee \$90 • Includes hors d'oeuvres

200 Edenvale Avenue, San José, CA 95136 | BLACK & REDS (LOWER LEVEL)

Join us for an unforgettable evening at the Hayes Mansion, where classic charm meets a lively casino night! Try your hand at poker or blackjack, and enjoy an evening of spirited competition and camaraderie. Hors d'oeuvres will be served, and games will go beyond the tables, with darts and pool adding to the fun! Plus, don't miss your chance to win fantastic door prizes throughout the night.



Photo by Hayes Mansion

Social Events Lead

ADRIAN CALDERON-FLORES
ORO LOMA SANITARY DISTRICT



CWEA

P3S Committee Leaders

CHAIR
Michael Placencia
Colorado River Basin
Regional Water Quality
Control Board

VICE CHAIR
Tim Ridley
City of Riverside

SECRETARY
Adrian Calderon-Flores
Oro Loma Sanitary District

PAST CHAIR
Edwin Alonzo
Town of Apple Valley

GRANTS PROGRAM
Jason Finn
LACSD

ORDER OF THE
SILVER COVER
Joe Lucia
Retired

AWARDS CO-CHAIRS
Casey Fitzgerald
City of San José

Stephen Sealy
LACSD



Conference Lunches



FACILITY OF THE YEAR AWARDS

Casey Fitzgerald
and Stephen Sealy
P3S Awards Leads

12:15 — 1:20 p.m.



ORDER OF THE SILVER COVER

Joe Lucia
Past P3S Chair

11:40 a.m. — 12:50 p.m.



P3S GRANT RECIPIENTS

Jason Finn
Grants Lead

12:05 — 1:20 p.m.

Conference lunches are included in your registration fee. Please RSVP for lunches to help us avoid food waste.

Opening General Session

Monday, February 3
8:30 - 11:30 a.m.

Kick off this year's Opening General Session with a dynamic session packed with discussions led by industry experts. Get ready to dive into topics that showcase innovation, collaboration, and success across our field. We'll also host a lively round of trivia with exciting door prizes, and present the John Boyd Leadership Award. This award honors the legacy of John Boyd, whose contributions continue to inspire our community.

Opening Session Leads

SHANNON SIMMERS
CITY OF RIVERSIDE

TRACY WYHLIDKO
CITY OF REDDING

SESSION TOPICS AND SPEAKER BIOS:



SJ-SC Regional Wastewater Facility Capital Improvement Project

Mariana Chavez-Vazquez, General Manager of the San José-Santa Clara Regional Wastewater Facility, has over 20 years in environmental engineering. A licensed Professional Engineer, she leads operations, maintenance, and sustainability efforts, leveraging extensive experience in managing wastewater projects and overseeing the \$1.3 billion Capital Improvement Program.



SJ-SC RWF Laboratory Wastewater Epidemiology Journey

Payal Sarkar is the Senior Environmental Program Manager at San Jose's Regional Wastewater Facility, overseeing lab operations for public health and environmental compliance. She leads wastewater-based epidemiology and partnered on Stanford's WastewaterSCAN project, advancing public health monitoring nationwide. Payal, a CWEA and BACWA member, holds a PhD in Microbiology.



EPA Pretreatment Program Collaboration Success!

Greg V. Arthur, a former EPA engineer with 30 years of experience in Clean Water Act compliance, has inspected over 700 dischargers and pretreatment programs. After working at EEC Environmental, he transitioned to serve as Family Pastor at Creekside Community Church, focusing on marriage, parenting, youth, and young adults.



Collaboration Across the Generational Divide

Ryan Vet is a seasoned speaker, entrepreneur, and thought leader, specializing in the intersection of business, leadership, and emerging technologies like AI. With extensive experience in scaling businesses and transforming organizations, he explores the profound impact of AI on the future of work and leadership dynamics.

TECHNICAL TOUR

**SOLD
OUT**

San Jose Treatment Plant Expansion

Monday, February 3 • 1:30 p.m. - 4:00 p.m.

Jointly owned by the Cities of San José and Santa Clara, the San José-Santa Clara Regional Wastewater Facility (RWF) treats wastewater from eight cities and four sanitation districts, serving over 1.4 million residents and 17,000 businesses in Silicon Valley. It uses a tertiary advanced treatment process that protects public health, the environment, and wildlife habitats across the South San Francisco Bay Area. Running uninterrupted since 1956, it continues to operate around-the-clock while undergoing major modernization projects. The RWF \$2.1 billion, 30-year Capital Improvement Program (CIP) is the largest public works program

in the City of San José's history. Some key CIP achievements include the completed Headworks project, which upgraded the equipment for pre-treatment of raw wastewater thus enhancing the downstream treatment processes that allow for almost 90 percent of tertiary treated water to be discharged into the Bay. It also includes the Digested Sludge Dewatering Facility, on track for completion in 2025, will free up 750 acres of wetlands previously used for outdoor drying and shift the biosolids extraction process to an enclosed mechanical system; thereby, reducing this process from 4 years to just 24 hours.

*Photo:
City of San José
Environmental Services Department*

*Technical Tour Lead
CASEY FITZGERALD
City of San José*

JOHN BOYD LEADERSHIP AWARD

John's unwavering commitment to P3S and his profound impact on environmental awareness and advocacy serve as a lasting testament to his legacy. His contributions will continue to inspire and benefit generations to come, ensuring a brighter and more sustainable future for us all.

The P3S Committee is accepting nominations to honor John's legacy.



NOMINATE A CHAMPION FOR THIS AWARD

Technical Sessions

MONDAY			
7:30 – 8:30 a.m.	REGISTRATION & CONTINENTAL BREAKFAST LOWER LEVEL LOBBY		
8:30 – 10:00 a.m.	OPENING GENERAL SESSION PART 1 HAYES BALLROOM		
10:00 – 10:15 a.m.	BREAK LOWER LEVEL LOBBY		
10:15 – 11:30 a.m.	OPENING GENERAL SESSION PART 2 HAYES BALLROOM		
11:30 a.m. – 12:15 p.m.	TIME WITH EXHIBITORS LOWER LEVEL LOBBY		
12:15 – 1:20 p.m.	LUNCH & FACILITY OF THE YEAR AWARDS HAYES BALLROOM		
TRACKS	STATE WATER BOARD AUDIT UPDATES	COLLABORATION SOFT SKILLS	COLLABORATION CASE STUDIES
LOCATION	MONTEREY	SAN MARTIN	MORGAN HILL
LEAD	Mary Cousins BACWA	Claudia Anderson, West County Wastewater District and Karla Sordia, City of Redlands	Berlinda Blackburn, Blackburn Environmental Services and Mary Thompson, City of Santa Barbara
1:30 – 2:20 p.m.	USEPA Overview of Pretreatment Program Amelia Whitson and Jim Polek, EPA	When Generations Collaborate - Leadership in a Multi- Generational Workplace Ryan Vet, Leadership Speaker and Author	Collaborative Efforts for Wastewater Compliance: A Case Study of MarBorg Industries, Liquid Waste Division Berlinda Blackburn, Blackburn Environmental Services, Mary Thompson, City of Santa Barbara, and Spencer McDermott, Cloacina
2:30 – 3:20 p.m.	Optimizing Your Pretreatment Compliance Audit Experience: Agency Panel Discussion Mark Kawamoto, OCSan and Martin St. George, City of Santa Rosa	When Collaboration Breaks Down - Denial, Delay of Entry, and De-Escalation Shannon Simmers and Tim Ridley, City of Riverside	COB program - An Enduring, Incentivized Program of Cooperation Between Industrial Dischargers & the City Dave Martin and Eric Dhakni, City of Santa Cruz
3:20 – 3:50 p.m.	REFRESHMENTS WITH THE EXHIBITORS LOWER LEVEL LOBBY		
3:50 – 4:40 p.m.	State Water Board's Lessons Learned and Common Findings from Pretreatment Compliance Audits Olivia Magana, State Water Board and Chuck Durham PG Environmental, a division of ERG	Shadow in the Spotlight Ryan Vet, Leadership Speaker and Author	Pure Water Project, a Collaborative Source Water Augmentation Program Oliver Slosser, Las Virgenes Municipal Water District
4:40 – 6:30 p.m.	NETWORKING WITH THE PARTNERS LOWER LEVEL LOBBY		



TUESDAY MORNING

7:00 – 8:00 a.m.	BREAKFAST WITH THE EXHIBITORS (LOWER LEVEL LOBBY) AND P3S COMMITTEE MEETING (LIVE OAK)		
TRACKS	COMPLIANCE / ENFORCEMENT	EPA UPDATES	PRETREATMENT, POLLUTION PREVENTION, PUBLIC OUTREACH
LOCATION	MONTEREY	SAN MARTIN	MORGAN HILL
LEAD	Tim Ridley City of Riverside	Jennifer Rieben City of Livermore	Susan Hiestand SVCW
8:00 – 8:50 a.m.	But Is It Really Categorical? Categorical Facility Determination Michael Placencia, Colorado River Regional Water Board	Pretreatment 101 Amelia Whitson and Jim Polek, EPA Chuck Durham, PG Environmental, a division of ERG	Beyond Brick and Mortar: MEHKOs, Food Trucks, and the FOG Factor Beatriz Cornejo, Elsinore Municipal Water District
9:00 – 9:50 a.m.	Aluminum Forming Tim Ridley and Shannon Simmers, City of Riverside		Pretreatment and Hazardous Waste Treatment, One and the Same? Emily Minson, OC San Minh Le, LA City Fire
9:50 – 10:50 a.m.	REFRESHMENTS WITH EXHIBITORS LOWER LEVEL LOBBY		
10:50 – 11:40 a.m.	A Case Study: Alien pH. In Pretreatment, No One Can Hear You Scream Steven Mireles, City of Beaumont	Pretreatment 101 Amelia Whitson and Jim Polek, EPA Chuck Durham, PG Environmental, a division of ERG	Protecting POTWs from Pet Pesticides Stephanie Hughes, P.E., SCU Dept of Environmental Studies and Sciences
11:40 a.m. – 12:50 p.m.	LUNCH & ORDER OF THE SILVER COVER JOE LUCIA, P3S PAST CHAIR AND STEVE MEDBERY, SILVER COVER RECIPIENT HAYES BALLROOM		
1:00 – 1:30 p.m.	DESSERT WITH EXHIBITORS LOWER LEVEL LOBBY		



P3S Order of the Silver Cover
Chair, Joe Lucia

Order of the Silver Cover winners
Jason Finn and Tracy Wyhlidko



TUESDAY AFTERNOON

TRACKS	COMPLIANCE / ENFORCEMENT	EPA UPDATES	NEW AND ON THE HORIZON
LOCATION	MONTEREY	SAN MARTIN	MORGAN HILL
LEAD	Michael Truong Encina Wastewater Authority	Jennifer Rieben City of Livermore	Adrian Calderon-Flores City of Oro Loma
1:30 – 2:20 p.m.	Efficient Pretreatment Information Data Management: A Practical Solution Michael Truong, Encina Wastewater Authority and Michael Panagis, Nexinite	Pretreatment 101 Amelia Whitson and Jim Polek, EPA Chuck Durham, PG Environmental, a division of ERG	Local Limits - The New Frontier George Munoz, City of Riverside
2:30 – 3:20 p.m.	To NOV or Not To NOV? That is the Question. Steve Sealy, LACSD and Shannon Simmers, City of Riverside		State Water Board Enhanced Pretreatment Program Considerations for Potable Reuse Arnold Wong, State Water Resources Control Board
3:20 – 3:50 p.m.	REFRESHMENTS WITH THE EXHIBITORS LOWER LEVEL LOBBY		
3:50 – 4:40 p.m.	Inspector War Stories Steve Seally, LACSD Michael Truong, Encina Wastewater Authority, Michael Placencia, CRB Regional Water Board, and Paula Hansen, EBMUD	Pretreatment 101 Amelia Whitson and Jim Polek, EPA Chuck Durham, PG Environmental, a division of ERG	Impacts to your Wastewater Infrastructure from Microbreweries and Wineries Frank Dittrich, City of Roseville and Aaron Moore, South Placer Municipal Utility District
6:00 p.m.	SIGNATURE EVENT BLACK & REDS (LOWER LEVEL)		

DON'T MISS THE
SIGNATURE EVENT



Photos by Kelly Sullivan

WEDNESDAY

7:30 –
8:00 a.m.

CONTINENTAL BREAKFAST LOWER LEVEL LOBBY

TRACKS	FOG WORKSHOP	ECI TEST PREP	STORMWATER WORKSHOP	LAB WORKSHOP
LOCATION	EDENVALE BALLROOM	SAN MARTIN	MORGAN HILL	MONTEREY
LEAD	Jerry Barajas City of Sunnyvale Ricardo Fernandez City of San José	Claudia Anderson West County Wastewater District and Karla Sordia City of Redlands	Ed Suriaga City of San José and Gorman Lau, Larry Walker and Associates	Mary Thompson City of Santa Barbara Blake Brown Central Contra Costa Sanitary District
8:00 – 8:50 a.m.	Leveraging Technology to Enhance FOG Program Efficiency Ricardo Fernandez, City of San José	Test Taking Strategies Akram Botrous, Office of Water Programs California State University, Sacramento	Unexpected Stormwater Challenges: Tracing the Source of Mysterious Discharges in Santa Monica Corey Bracken, City of Santa Monica	From Preparation to Lab: A Comprehensive Guide to Sample Collection Charles Santos, South Orange County Wastewater Authority
9:00 – 9:50 a.m.	Modern Trends in Grease Interceptor Sizing Eric Thompson, Schier Products	ECI Test Prep Grade 1 & 2 Shannon Simmers, City of Riverside	City of Manteca Partnership with Butts to Watts Jennifer Greenwood and Lissett Mayorga, City of Manteca, and Ken Beckstead Cigarette Pollution Solution	Hidden Streams: The Power of Wastewater Epidemiology & PFAS Sampling Procedures from an Operations Perspective Ryan Love and Gabriel Holguin Inland Empire Utilities Agency
9:50 – 10:15 a.m.	BREAK LOWER LEVEL LOBBY			
10:15 – 11:05 a.m.	Grease Interceptors: Importance of Efficiency & Material Considerations Tony Cole, MIFAB	ECI Test Prep Grade 1 & 2 Shannon Simmers, City of Riverside	The City of San Jose's Private Land Drainage Area Trash Inspection Program Ed Suriaga and Mahmoud Jillo City of San José	Navigating Through World of WDR: Protocols and Precautions in Spill Sampling and Panel Alex Perez, Dublin San Ramon Services District
11:15 a.m.– 12:05 p.m.	FOG Horror Stories- Whats in That? Paula Hansen, EBMUD	ECI Test Prep Grade 3 George Munoz, City of Riverside	We Are All One, Using the Sewers to Clean Up the Beach Jason Finn, LACSD	Part 1: Essential Tools for Trace Metals Analysis in Wastewater Treatment & Oil and Grease Analysis in Wastewater Pretreatment Buddhima Mahanama and Jamie Lagman, City of San José
12:05 p.m. – 1:20 p.m.	LUNCH & P3S GRANT RECIPIENTS JASON FINN, GRANTS LEAD HAYES BALLROOM			
1:30 – 2:20 p.m.	Enhancing Source Control Programs: The Workflow Model Morgan Crowell, Swift Comply	ECI Test Prep Grade 4 Kent McIntosh, Retired	Construction Sites: Regulations, BMPs, and Inspections Alina Constantinescu, Larry Walker Associates	Part 2: Challenges and Considerations of Measuring BOD in Wastewaters Damon Bradbury, City of San José Panel Discussion: Damon Bradbury, Jamie Lagman, and Buddhima Mahanama, City of San José
2:30 – 3:20 p.m.	Tracking Illicit Discharges Anton Loof, Ponton Industries	ECI Math Kent McIntosh, Retired	Looking at Trash! On-land Visual Trash Assessments Katrina Arrendondo and Chloe Celniker, Larry Walker Associates	Laboratory Data and Report Review Jesse McDermott, Central Contra Costa Sanitary District
3:20 p.m.	CONFERENCE ADJOURNS			

Session Descriptions

MONDAY, FEBRUARY 3

8:30 am - 11:30 am

OPENING GENERAL SESSION (PART 1 & 2)

LOCATION: HAYES BALLROOM

Speakers:

- Mariana Chavez-Vazquez, General Manager, San José-Santa Clara Regional Wastewater Facility
- Payal Sarkar, Senior Environmental Program Manager, San José-Santa Clara Regional Wastewater Facility
- Greg V. Arthur, former EPA engineer
- Ryan Vet is a seasoned speaker



bit.ly/3PXj55o

TRACK: STATE WATER BOARD AUDIT UPDATES

LOCATION: MONTEREY

1:30 pm - 2:20 pm

USEPA Overview of Pretreatment Program

Speakers: Amelia Whitson and Jim Polek, EPA

2:30 pm - 3:20 pm

Optimizing your Pretreatment Compliance Audit Experience: Agency Panel Discussion

Speakers: Mark Kawamoto, OCSan and Martin St. George, City of Santa Rosa

A panel of wastewater agency representatives from small, medium and large pretreatment programs across California will discuss their recent experiences with Pretreatment Compliance Audits (PCAs) conducted by the State Water Resources Control Board. With help from this panel of experts, your next audit will be less stressful and more productive!

3:50 pm - 4:40 pm

State Water Board's Lessons Learned and Common Findings from Pretreatment Compliance Audits

Speakers: Olivia Magana, State Water Board, and Chuck Durham, PG Environmental

As part of the 2020-21 Water Resilience Portfolio Budget Change Proposal, the State Water Board secured two positions in the Division of Water Quality to enhance the NPDES Pretreatment Program and develop an Enhanced Pretreatment Program for direct potable reuse. Previously, program support relied on U.S. EPA contractor assistance, which ended in 2022, leaving limited in-house expertise. To address this gap, pretreatment staff are now focused on compliance, developing tools and training programs, and improving data management processes. Learn essential tips to successfully navigate a Pretreatment Compliance Audit (PCA), from effective preparation strategies to confidently participating in the audit process. Gain insights on how to address findings and follow up on your audit report to ensure compliance and continuous improvement.

Session Descriptions



TRACK: COLLABORATION SOFT SKILLS

LOCATION: SAN MARTIN

1:30 pm - 2:20 pm

When Generations Collaborate - Leadership in a Multi-Generational Workplace

Speaker: Ryan Vet, Leadership Speaker and Author

Dive into the intricate dance of generational dynamics within the workplace in this enlightening presentation on leadership across ages. From the Silent Generation to Gen Alpha, this talk unravels the complexities of managing a multi-generational team, highlighting the unique challenges and opportunities each cohort presents. Learn to leverage adaptability and innovation, turning generational diversity into a strategic advantage. Gain insights into bridging communication gaps and enhancing collaboration, equipping you with the tools to foster a cohesive and productive environment. Transform generational differences into a catalyst for organizational growth and success.

2:30 pm - 3:20 pm

When Collaboration Breaks Down - Denial, Delay of Entry, and De-Escalation

Speakers: Shannon Simmers, Tim Ridley

3:50 pm - 4:40 pm

Shadow in the Spotlight

Speaker: Ryan Vet, Leadership Speaker and Author

TRACK: COLLABORATION CASE STUDIES

LOCATION: MORGAN HILL

1:30 pm - 2:20 pm

Collaborative Efforts for Wastewater Compliance: A Case Study of MarBorg Industries, Liquid Waste Division

Speakers: Berlinda Blackburn, Blackburn Environmental Services, Mary Thompson, City of Santa Barbara, and Spencer McDermott, Cloacina

Learn how public-private partnerships can effectively address complex wastewater compliance challenges by bringing together municipalities, environmental consultants, and industrial operators. Gain insights into selecting and implementing Best Available Technologies (BATs) to meet local discharge limits for high-strength wastewater. Additionally, understand the critical role of municipal programs, such as surcharge and pretreatment regulations, in driving compliance and protecting water resources.

2:30 pm - 3:20 pm

COB program - An Enduring, Incentivized Program of Cooperation Between Industrial Dischargers & the City

Speakers: Dave Martin and Eric Dhakni, City of Santa Cruz

The environment is threatened by routine operations at food and vehicle service facilities, which may violate Sewer Use and Storm Water Ordinances. The City of Santa

Session Descriptions



Cruz developed the Clean Ocean Business Program to increase the compliance rate of these businesses and boost awareness of the City's Best Management Practices for environmental protection. Those businesses that go the extra-mile to protect the environment, above and beyond mandatory requirements, are granted free recognition of this environmental achievement, including advertising in a local publication, window decals, as well as a plaque and awards dinner for businesses reaching 5-year increments of consistent compliance.

3:50 pm - 4:40 pm

Pure Water Project, a Colaborative Source Water Augmentation Program

Speaker: Oliver R. Slosser, Las Virgenes Municipal Water District

Explore the Pure Water Project, one of California's pioneering surface water augmentation and indirect potable reuse initiatives. This session provides an in-depth case study on project development, highlighting strategies for building consensus and defining project goals. Learn how regional partnerships and innovative approaches help maximize the use of an Advanced Water Purification Facility, addressing seasonal supply imbalances to ensure a sustainable and resilient water future.

TUESDAY, FEBRUARY 4

TRACK: COMPLIANCE / ENFORCEMENT

LOCATION: MONTEREY



bit.ly/3PXj55o

8:00 am - 8:50 am

But Is It Really Categorical? Categorical Facility Determination

Speaker: Michael Placencia, Colorado River Regional Water Board

This session provides an in-depth understanding of the regulatory foundation for Categorical Pretreatment Standards, including the distinctions between indirect and direct dischargers as outlined in 40 CFR 403. Participants will learn the key points of these distinctions, their significance, and how they impact regulatory compliance. The training also covers how to determine if a facility falls under Categorical Standards and how to effectively incorporate these standards into industrial permits.

9:00 am - 9:50 am

Aluminum Forming

Speakers: Tim Ridley and Shannon Simmers, City of Riverside

10:50 am - 11:40 am

A Case Study: Alien pH. In Pretreatment, No One Can Hear You Scream

Speaker: Steven Mireles, City of Beaumont

1:30 pm - 2:20 pm

Efficient Pretreatment Information Data Management: A Practical Solution

Speakers: Michael Truong, Encina Wastewater Authority and Michael Panagis, Nexinite

Session Descriptions



2:30 pm - 3:20 pm

To NOV or Not to NOV, that is the Question

Speaker: Steve Sealy, LACSD and Shannon Simmers, City of Riverside

3:50 pm - 4:40 pm

Inspector War Stories

Speakers: Steve Sealy, LACSD, Michael Truong, Encina Wastewater Authority, Michael Placencia, CRB Regional Water Board, and Paula Hansen, EBMUD

This session features insights from industry experts on handling special investigative and inspection cases, providing practical examples and strategies. Participants will engage in discussions on atypical inspection events, with opportunities to ask questions and share experiences. The session aims to boost inspector confidence in planning and conducting inspections and investigations, while also helping them build a network of external resources for guidance on challenging or unusual cases.

TRACK: EPA UPDATES

LOCATION: SAN MARTIN

8:00 am - 4:40 pm

Pretreatment 101

Speakers: Amelia Whitson and Jim Polek, EPA Chuck Durham, PG Environmental, a division of ERG

TRACK: PRETREATMENT, POLLUTION PREVENTION, PUBLIC OUTREACH

LOCATION: MORGAN HILL

8:00 am - 8:50 am

Beyond Brick and Mortar: MEHKOs, Food Trucks, and the FOG Factor

Speaker: Beatriz Cornejo, Elsinore Municipal Water District

9:00 am - 9:50 am

Pretreatment and Hazardous Waste Treatment, One and the Same?

Speaker: Emily Minson, OCSan and Minh Le, LA City Fire

Learn about the hazardous waste treatment program and its relevance to pretreatment inspections, helping inspectors identify whether a pretreatment unit falls under multiple regulatory programs. Additionally, discover the importance of fostering interagency communication between CUPA and pretreatment to enhance compliance efforts.

10:50 am - 11:40 am

Protecting POTWs from Pet Pesticides

Speaker: Stephanie Hughes, P.E., SCU Dept of Environmental Studies and Sciences

TRACK: NEW AND ON THE HORIZON

LOCATION: MORGAN HILL

Session Descriptions



1:30 pm - 2:20 pm

Local Limits - The New Frontier

Speaker: George Munoz, City of Riverside

2:30 pm - 3:20 pm

State Water Board Enhanced Pretreatment Program Considerations for Potable Reuse

Speaker: Arnold Wong, State Water Resources Control Board

In June 2020, the Governor approved a budget change proposal to fund new positions at the State Water Board to establish an Enhanced Pretreatment Program to support wastewater source control requirements established in Title 22 potable reuse regulations. This presentation will discuss Title 22 source control requirements and considerations that inform development of the Enhanced Pretreatment Program that build on the foundation of existing Pretreatment Program requirements for safe and effective source control in support of potable reuse. In this session, you will gain insight into the State Water Board's efforts to strengthen source control through a robust local pretreatment program and understand the key foundations of an enhanced pretreatment program designed to support potable reuse initiatives.

3:50 pm - 4:40 pm

Impacts to your Wastewater Infrastructure from Microbreweries and Wineries

Speakers: Frank Dittrich, City of Roseville and Aaron Moore, South Placer Municipal Utility District

This session examines the findings of a multi-year study conducted by the City of Roseville and South Placer Municipal Utility District on the impacts of microbrewery and winery wastewater discharges on sewer collection and treatment infrastructure. It highlights challenges such as high-strength waste, non-compliance with discharge limitations, and variability in wastewater characteristics. Attendees will gain insights into the potential risk from accepting these wastes, best management practice implementation, regulatory strategies, and tailored solutions to mitigate damage and protect wastewater systems.

WEDNESDAY, FEBRUARY 5

TRACK: FOG WORKSHOP

LOCATION: EDENVALE BALLROOM

8:00 am - 8:50 am

Leveraging Technology to Enhance FOG Program Efficiency

Speaker: Ricardo Fernandez, City of San José

This session focuses on leveraging data to identify collection system issues, create hot spot maps, and optimize inspection assignments. Participants will explore strategies to increase digital reporting enrollment and ensure compliance, while also learning to utilize GIS technology for geolocating grease interceptors and mapping enforcement trends effectively.

9:00 am - 9:50 am

Modern Trends in Grease Interceptor Sizing

Speaker: Eric Thompson, Schier Products



bit.ly/3PXj55o

Session Descriptions



This session will focus on grease interceptors and how they have evolved over the last 40 years. It will also discuss how grease interceptors are certified and the difference between hydromechanical and gravity interceptors. Right sizing grease interceptors is critical for both efficiency and the protection of the wastewater system as a whole.

10:15 am - 11:05 am

Grease Interceptors: Importance of Efficiency & Material Considerations

Speaker: Tony Cole, MIFAB

In this presentation, we will briefly highlight the most common grease interceptor technologies used for mitigating fats, oils, & grease. We will highlight the importance of grease capacity and efficiency and compare these metrics among these technologies. We will also highlight the importance of material considerations for grease interceptors with respect to the highly acidic nature of FOG waste. Finally, we will offer best practice solutions for maintenance and inspection.

11:15 am - 12:05 pm

FOG Horror Stories- Whats in That?

Speaker: Paula Hansen EBMUD

1:30 pm - 2:20 pm

Enhancing Source Control Programs: The Workflow Model

Speakers: Morgan Crowell, Swift Comply

Participants will gain the ability to analyze their regulatory program within a broader software technology context, recognize the universality of regulatory processes and risk management, and assess the strengths and weaknesses of their current program to identify the steps needed for selecting the most suitable software solution.

2:30 pm - 3:20 pm

Tracking Illicit Discharges

Speaker: Anton Loof, Ponton Industries

TRACK: ECI TEST PREP

LOCATION: SAN MARTIN

8:00 am - 8:50 am

Test Taking Strategies

Speaker: Akram Botrous, Office of Water Programs, California State University, Sacramento

Learn key test preparation techniques, apply strategic approaches to answering questions effectively, and develop stress management and focus skills to enhance performance.

9:00 am - 9:50 am

ECI Test Prep Grade 1 & 2

Speaker: Shannon Simmers, City of Riverside

Attendees will gain the knowledge and skills needed to prepare for Environmental Compliance Certification exams, develop a clear understanding of the exam content, and feel more confident and equipped to successfully take the exam.

Session Descriptions



10:15 am - 11:05 am

ECI Test Prep Grade 1 & 2

Speaker: Shannon Simmers, City of Riverside

Attendees will gain the knowledge and skills needed to prepare for Environmental Compliance Certification exams, develop a clear understanding of the exam content, and feel more confident and equipped to successfully take the exam.

11:15 am - 12:05 pm

ECI Test Prep Grade 3

Speaker: George Munoz, City of Riverside

1:30 pm - 2:20 pm

ECI Test Prep Grade 4

Speaker: Kent McIntosh, Retired

2:30 pm - 3:20 pm

ECI Math

Speaker: Kent McIntosh, Retired

TRACK: STORMWATER WORKSHOP

LOCATION: MORGAN HILL

8:00 am - 8:50 am

Unexpected Stormwater Challenges: Tracing the Source of Mysterious Discharges in Santa Monica

Speaker: Corey Bracken, City of Santa Monica

9:00 am - 9:50 am

City of Manteca Partnership with Butts to Watts

Speakers: Jennifer Greenwood and Lissett Mayorga, City of Manteca, and Ken Beckstead Cigarette Pollution Solution

Cigarettes are the number one littered item in the World. Butts to Watts has designed products to help the environment by shielding cigarette waste from rain and irrigation until servicing. The cigarette waste is turned into renewable energy. The City of Manteca is the first California City to team up with Butts to Watts. The presentation will include how Butts to Watts works and include how the City of Manteca got involved and how the program is working for our City.

10:15 am - 11:05 am

The City of San Jose's Private Land Drainage Area Trash Inspection Program

Speakers: Ed Suriaga and Mahmoud Jillo, City of San José

The City of San Jose's Environmental Services Department, Watershed Protection Division has developed a Private Lands Drainage Area (PLDA) program to address trash on private properties in San Jose that are connected to the City's watersheds. The program is implemented in coordination with the Stormwater Management Watershed Protection group and Stormwater Post Construction Compliance group. The PLDA Program aims to reduce trash along San Jose private properties through inspections and strategic enforcement implementation. Enforcing a low trash generation on private properties connected to San

Session Descriptions



Jose's MS4 system plays an instrumental part in addressing the City's Stormwater Permit requirement to reach 100% Trash Load Reduction. In this session, gain an understanding of the Private Lands Drainage Areas requirement of the Stormwater Municipal Regional Permit, explore the actions taken by the City of San Jose and key lessons learned from their implementation, and learn how to build an inspection program from the ground up.

11:15 am - 12:05 pm

We Are All One, Using the Sewers to Clean Up the Beach

Speaker: Jason Finn, LACSD

Develop an understanding of how the sanitary sewer system interacts with efforts to improve stormwater quality, explore the control mechanisms that protect the sewer collection system, and examine the collaboration between agencies in achieving shared environmental goals.

1:30 pm - 2:20 pm

Construction Sites: Regulations, BMPs, and Inspections

Speaker: Alina Constantinescu, Larry Walker Associates

2:30 pm - 3:20 pm

Looking at Trash! On-land Visual Trash Assessments

Speakers: Katrina Arrendondo and Chloe Celniker, Larry Walker Associates

TRACK: LAB WORKSHOP

LOCATION: MONTEREY

8:00 am - 8:50 am

From Preparation to Lab: A Comprehensive Guide to Sample Collection

Speaker: Charles Santos, South Orange County Wastewater Authority

9:00 am - 9:50 am

Hidden Streams: The Power of Wastewater Epidemiology & PFAS Sampling Procedures from an Operations Perspective

Speaker: Ryan Love and Gabriel Holguin, Inland Empire Utilities Agency

Wastewater Epidemiology:

This session delves into the role of wastewater epidemiology in public health, showcasing how pathogen monitoring through wastewater samples can enhance disease surveillance. Participants will learn about the technical processes, partnerships, and data utilization strategies driving these efforts.

PFAS Sampling Procedure:

This session will provide an in-depth guide to PFAS sampling, focusing on minimizing contamination risks and ensuring accurate results. Attendees will explore the significance of PFAS in the environment and how to implement effective sampling protocols to comply with regulatory standards.

10:15 am - 11:05 am

Navigating Through the World of WDR: Protocols and Precautions in Spill Sampling & Panel Discussion on Sampling

Session Descriptions



Speaker: Alex Perez, Dublin San Ramon Services District

Gain an understanding of the responsibilities of Sanitary Sewer System operators in mitigating and responding to sewer overflows, learn how to comply with the State's general order with a focus on safety, and explore ways to support field staff with proper sampling methodologies that meet legal and procedural requirements.

11:15 am - 12:05 pm

Part 1 - Essential Tools for Trace Metals Analysis in Wastewater Treatment & Title of the Presentation: Oil and Grease Analysis in Wastewater Pretreatment

Speakers: Buddhima Mahanama and Jamie Lagman, City of San José

This session focuses on oil and grease, beginning with an overview of their composition, and then discussing their ability to negatively impact wastewater treatment systems. Then we explore the analytic method used to quantify oil & grease, EPA 1664A, along with the associated quality control (QC) measures that help ensure accurate and reliable results. Finally, we consider key challenges in the collection and analysis of oil and grease such as representative sampling, contamination, interfering substances, and handling hazardous substances and offer practical tips and solutions for each.

1:30 pm - 2:20 pm

Part 2 - Challenges and Considerations of Measuring BOD in Wastewaters

Speaker: Damon Bradbury, City of San José

Panel Discussion: *Damon Bradbury, Jamie Lagman, and Buddhima Mahanama, City of San José*

Biochemical oxygen demand measures the amount of oxygen required by aerobic bacteria to break down organic matter in wastewaters, providing an index of the level of organic pollution in the water. Knowledge of the characteristics of a site is essential for proper sample preparation to obtain accurate results. While BOD has been adopted as the standard for measuring organic pollution levels, it has a long turn-around time of five days and there are other more rapid analyses available to assess organic pollution, such as total organic carbon (TOC) concentration and chemical oxygen demand (COD). This presentation provides an overview of the BOD method and the challenges and considerations encountered in the laboratory, as well as a discussion of the relationships between BOD, TOC, and COD observed at the San Jose-Santa Clara Regional Wastewater Facility.

2:30 pm - 3:20 pm

Laboratory Data and Report Review

Speaker: Jesse McDermott, Central Contra Costa Sanitary District

Gain a comprehensive understanding of all components of a complete laboratory report for compliance, learn how to assess reports for qualifiers, reporting limits, detection limits, and quality assurance, and develop effective strategies for reviewing reports to ensure completion, proper sampling and preservation, traceability, chain of custody, and compliance with regulatory limits.

Participating Exhibitors

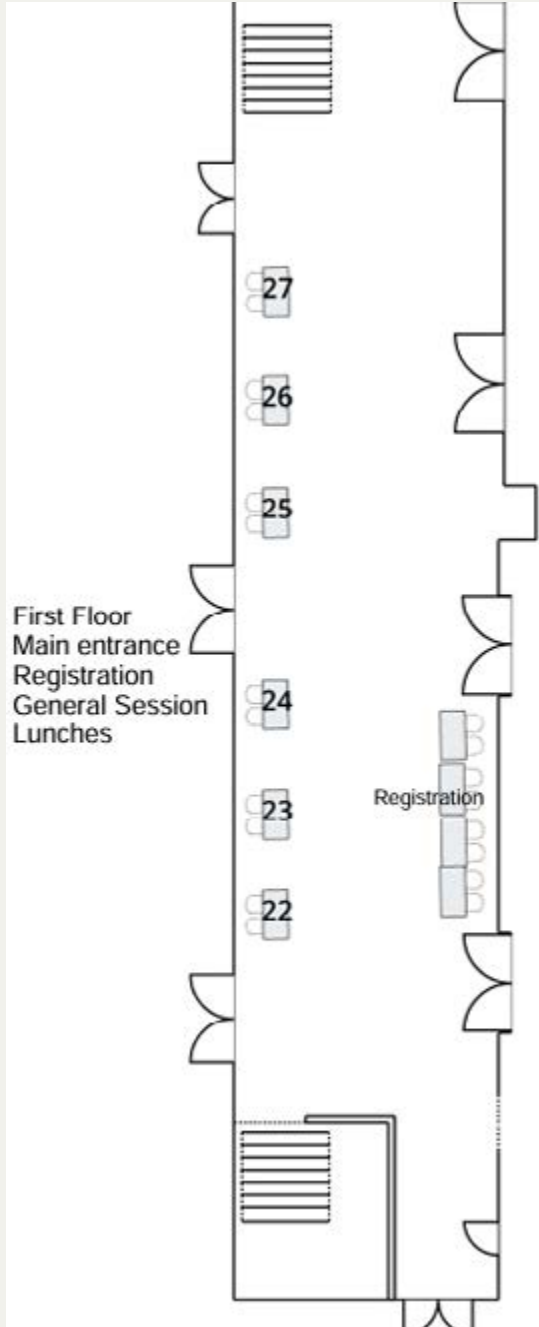
Company	Booth #
Valley Power Systems	1
Aqua Natural Solutions	2
GeoTree Solutions	3
Big Dipper and Trapzilla Grease Interceptors	4
Larry Walker Associates	5
NJBSoft	6
CleanWay Environmental Partners, Inc.	7
Performance Pipeline Technologies	8
Hayes Automation, Inc.	10
Pipe & Plant Solutions Inc.	12
Goble Sampson	13
Websoft Developers, Inc.	14
Instrument Technology Corporation	15
Owen Equipment Sales	16
Industrial Scientific	17
Schier Products	18
Duke's Root Control, Inc.	19
Clipper Controls	22
FOG BMP	23
MIFAB	24
H & R PLUMBING AND DRAIN CLEANING, INC dba H & R UNDERGROUND	25
North Bay Waterworks	26
SwiftComply	27



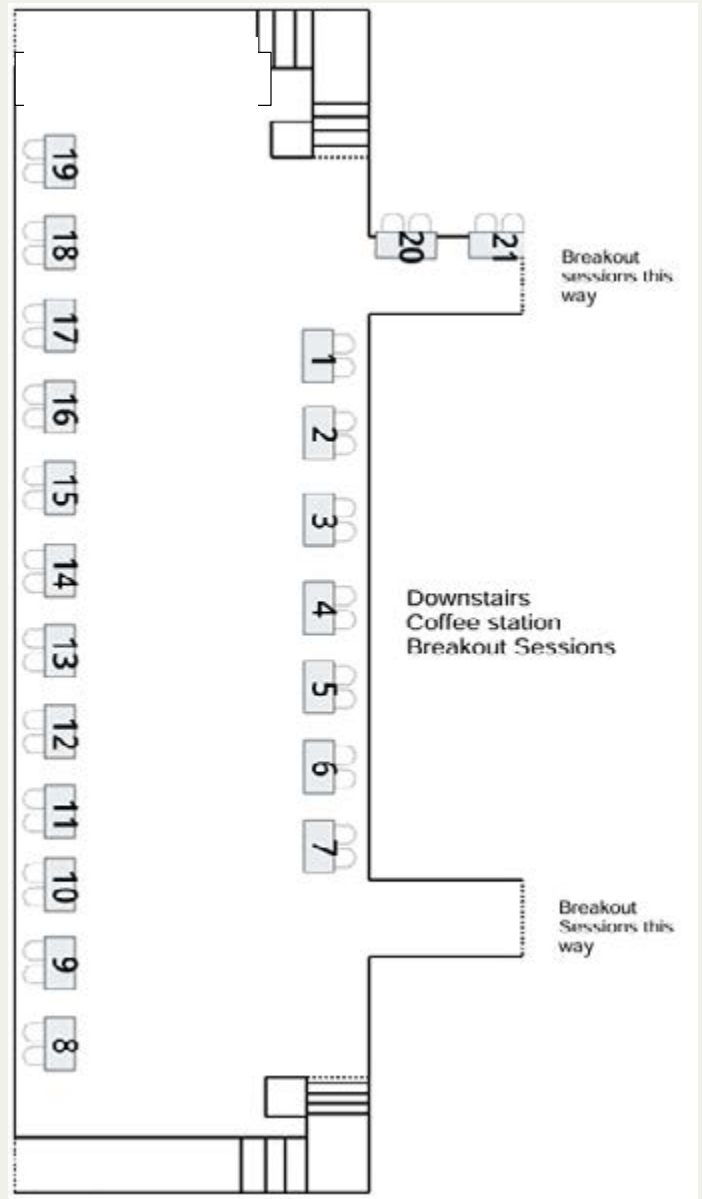
Participating Exhibitors



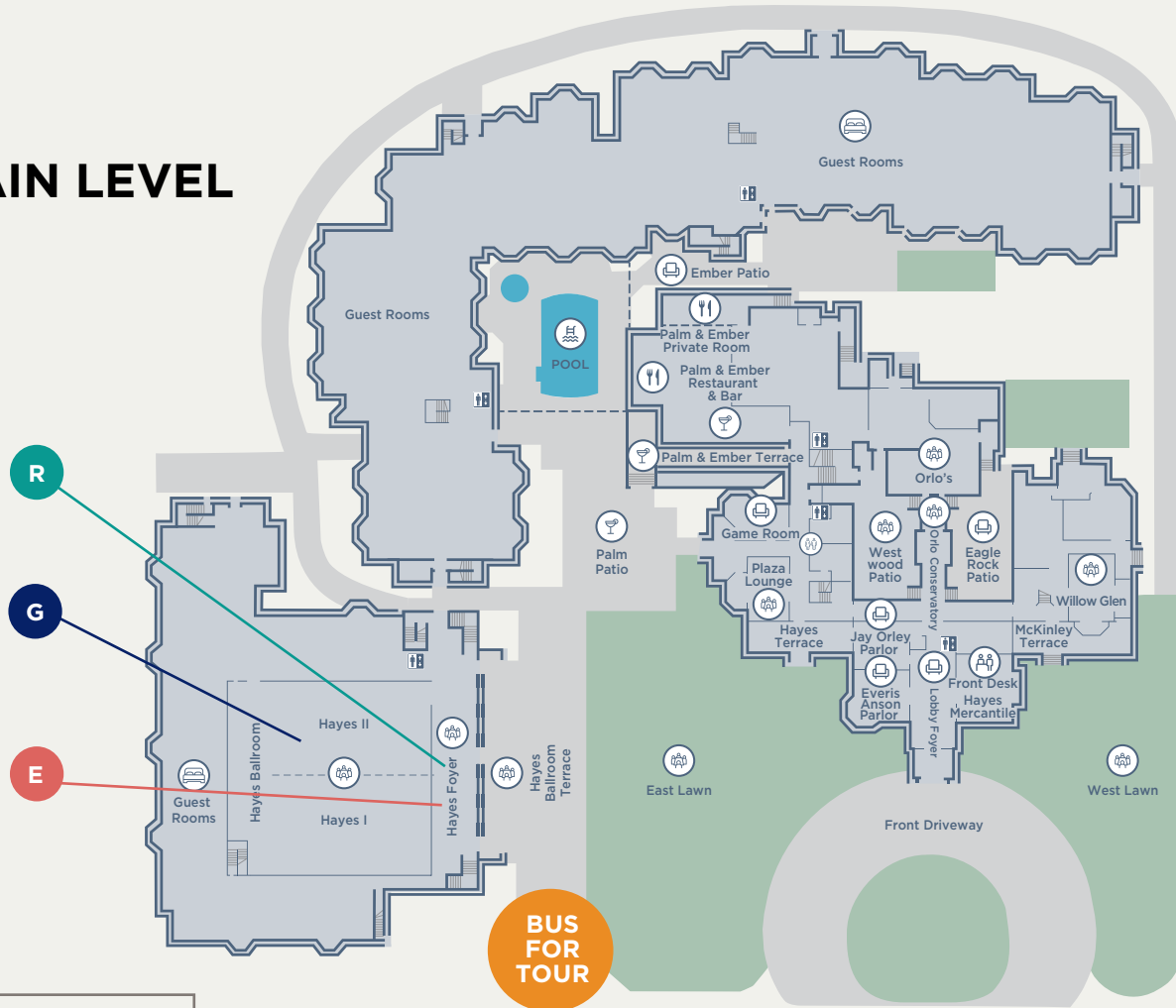
MAIN LEVEL



LOWER LEVEL

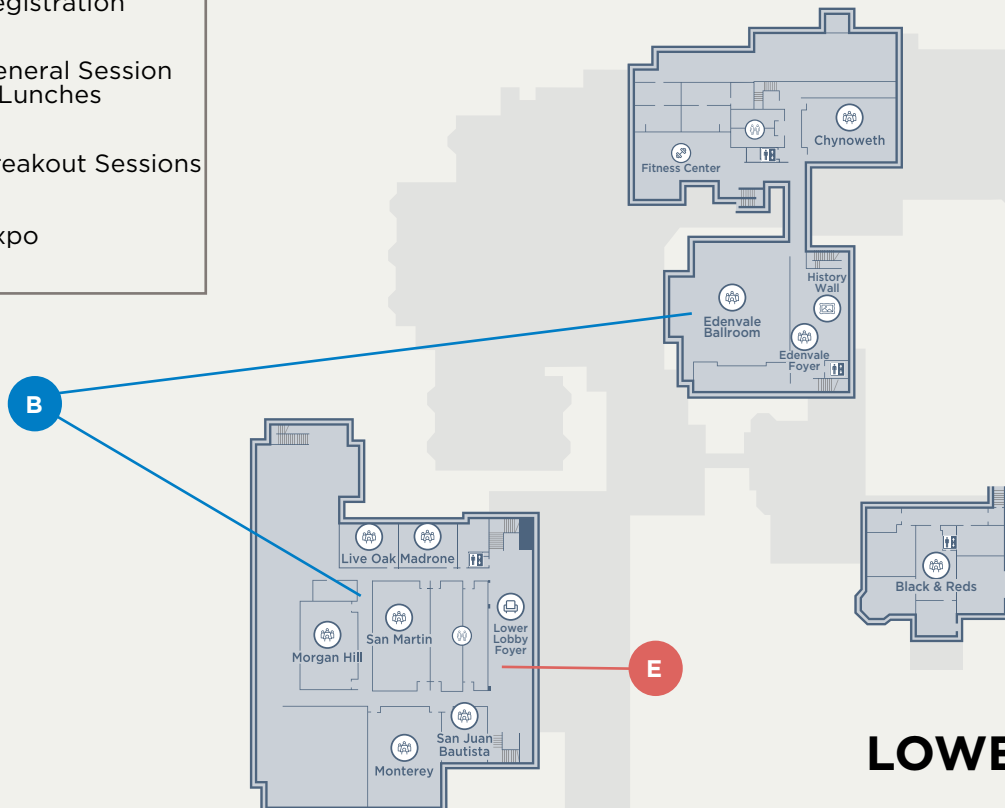


MAIN LEVEL



BUS FOR TOUR

- R** Registration
- G** General Session & Lunches
- B** Breakout Sessions
- E** Expo



LOWER LEVEL

Registration Instructions

Before you register yourself or a group of persons online, please read all instructions and ensure you know which events and meals you or each person in your group will attend. You will need your online CWEA password for all those you are registering. Discrepancies may result in delays when you pick up your registration materials at the conference. For information on our Group Discounts for seven or more registrants, please contact Member Services at memberservices@cwea.org.

EARLY BIRD REGISTRATION

Register by **December 9, 2024**, to receive the discounted conference registration rate. Mailed early-bird registrations **MUST** be post-marked by December 9, 2024, and accompanied with the appropriate payment to be processed. Save time by registering online!

MEMBER-DISCOUNTED RATES

CWEA, WEF or CA-NV AWWA memberships qualifies registrant for member- discounted rates, memberships will be verified. The additional cost of a non-member registration rate will be applied toward a one-year CWEA membership unless otherwise stated on registration form.

ONLINE REGISTRATION

Group and individual online registrations can be processed through CWEA's secure website CWEA.org. Event fees are driven by 'registrant type' selected during registration. Please select the appropriate registrant type based on number of days you are planning to attend the conference. If you have any questions during the online registration process, contact Member Services at memberservices@cwea.org or 510.382.7800 x4.

RETIRED MEMBERS

Retired members are eligible for a special registration rate. CWEA Bylaws state that a retired member is any person retired from and not currently affiliated professionally or technically with the water quality field. Please contact Member Services to finalize your registration.

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Full-time employees of academic institutions are eligible for our discounted Academics registration fee. Please contact Member Services to finalize your registration.

STUDENT REGISTRATION

Full-time students are eligible for free registration. This does not include extra fee-based meals, technical tours, and other activities which can be purchased separately. Please contact Member Services to finalize your registration. Students must submit current verification of units.

EVENTS & MEALS

Some events and lunches are included in the conference registration fee. Please RSVP to help us avoid food waste. Additional fees for other events may apply and will be listed on the registration forms. Guest/spouse tickets are also available for purchase at p3s25.cwea.org.

REGISTRATION PAYMENT

Full payment may be made by credit card, purchase order, personal check or company/agency check. Credit card payments are accepted using the enclosed registration form or through CWEA's secure website (CWEA.org). For check or money order payments, please make them payable to "**CWEA P3S25**." Those who submit payments with an Early Bird Registration fee after **December 9, 2024** will be billed for the difference. Registrations received without full payment or purchase order will not be processed. You must be registered for the conference as an attendee to receive CWEA contact hours.

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Cancellations: Written cancellation requests must be received at least three business days before the event's start date. A 25% cancellation fee will apply.

Substitutions: Written substitution requests must be received at least three business days before the event's start date. No fee will apply for substitutions.

Less than 3 Day Notice / Day-of Program Cancellations / No-Show / No Substitution: No refunds or credits will be issued.

Refund Process: Refunds, minus the 25% cancellation fee, will be issued within three business days of an approved cancellation request.

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SPEAKER QUESTIONS & REGISTRATION

Contact Melanie Guillen at mguillen@cwea.org.

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FULL CONFERENCE FEES		
	Early Bird Before Dec. 9	Regular After Dec. 9
MEMBER RATE	\$850	\$905
NON-MEMBER (A YEAR OF CWEA MEMBERSHIP IS INCLUDED IN REGISTRATION FEE)	\$1089	\$1144
RETIRED	\$415	\$415
ACADEMICS	\$290	\$290
FULL-TIME STUDENTS (MUST PROVIDE PROOF OF ATTENDANCE W/MIN. 9 UNITS)	FREE	FREE
TWO-DAY CONFERENCE FEES		
MEMBER	\$600	\$670
NON-MEMBER	\$839	\$909
MONDAY or TUESDAY ONE-DAY CONFERENCE FEE		
MEMBER RATE	\$415	\$480
NON-MEMBER RATE	\$654	\$719
WEDNESDAY ONE-DAY CONFERENCE FEE (WORKSHOP)		
MEMBER RATE	\$295	\$335
NON-MEMBER RATE	\$534	\$574
EVENT FEES		
SPOUSE/GUEST LUNCH	\$60	
SPOUSE/GUEST NETWORKING WITH THE PARTNERS (MON.)	\$70	
SIGNATURE EVENT (TUES.) PRICE IS FOR MEMBERS AND/OR GUESTS	\$90	
TECHNICAL TOUR (MON.) PRICE IS FOR MEMBERS AND/OR GUESTS	\$30	

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