

# Inspiring Solutions Together

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**CASQA 2024  
Annual Conference**

October 21-23, 2024

**SAFE Credit Union  
Convention Center**  
Sacramento, CA



**California Stormwater Quality Association<sup>®</sup>**  
*Dedicated to the Advancement of Stormwater Quality Management, Science and Regulation*

**PROGRAM**

# Welcome

## Dear Conference Attendees:

### Welcome to Sacramento and CASQA's 20th Annual Conference!

Over the last twenty years, CASQA has created a space where the preeminent thought leaders in California gather to share ideas, engage in community, and drive forward the evolution of sustainable stormwater management. Our theme for CASQA 2024, ***Inspiring Solutions Together***, captures the core qualities that make CASQA and our annual conference exceptional. We inspire each other. We focus on solutions. And we do this critically important work together.

CASQA is more than an annual conference. Led by our Vision for Sustainable Stormwater Management, CASQA is focused on solutions that maximize stormwater capture, minimize pollution through true source control, increase funding for stormwater programs, and approach stormwater as a resource.

We advocate to achieve these outcomes via regulatory and legislative processes. Education is core to everything we do, reflected in our training programs, outreach materials, and events. Our work is based on the best available science and achieved by collaborating and working through partnerships with our members and other organizations.

Making an impact is at the heart of CASQA's programs and initiatives – and you are an essential part of this story. Your insights, passion, and expertise are what make CASQA, and this community, so powerful. Look closely at the cover art of this program and you will see just a sample of the many faces who have been part of our collective journey.

We are honored that you are here with us, through this conference and throughout the year. Let us celebrate coming together as a community, reconnecting with old friends, and forging new connections that will last far beyond this conference. Together, we can inspire solutions and make a lasting impact.

With gratitude,

Karen Cowan, *Executive Director*  
California Stormwater Quality Association



Karen Cowan

Rob Carson, *Chair*  
CASQA Board of Directors



Rob Carson



# CASQA 2024 Annual Conference

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## Mission

On behalf of California stormwater permittees, CASQA advances sustainable stormwater management protective of California water resources.

## Vision

To advance sustainable stormwater management protective of California resources, CASQA will:

### Lead

Define and advocate for policies, regulations, legislation, and solutions that are based in the latest science and implement CASQA's Vision for Sustainable Stormwater Management

### Engage

Create opportunities to engage with our members and other organizations to achieve common goals by sharing knowledge, ideas, and best practices

### Educate

Produce resources, publications, and events that inform and train stormwater professionals and educate the public

### Support Implementation

Publish tools and guidance to support implementation of stormwater programs

### Increase Organizational Capabilities

Operate as a high performance organization with the capabilities to achieve the Strategic Plan

## Core Values

Excellence	Leadership	Collaboration	Integrity
Inclusivity	Respect	Service	Stewardship

## Get the Conference App

Personalize your conference experience with our CASQA Annual Conference mobile app for Apple iOS or Android.

- Bookmark presentations and events in the conference agenda to create your own schedule.
- Find meeting rooms, exhibitors, and event locations via interactive maps.
- Connect with other attendees.





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(443) 254-4531 | [contact@bancroftcs.com](mailto:contact@bancroftcs.com)



# Sacramento



Courtesy of SAFE Credit Union Convention Center

## SAFE Credit Union Convention Center

This state-of-the-art convention center located across from the State Capitol reopened in the spring of 2021 after a stunning renovation and expansion.

[SAFE Credit Union Convention Center](#)

1401 K St  
Sacramento, CA 95814

## Things To Do in Sacramento

Located at the confluence of the Sacramento and American Rivers and known as the City of Trees, Sacramento is the capital of the Golden State of California as well as the capital of America's [Farm-to-Fork](#) movement, linking local farms and restaurants. The area blends the past of the [Old Sacramento Waterfront](#) historic district with the present-day revitalized Downtown Commons known as [DOCO](#). Come early or stay after the conference to take advantage of nearby [attractions and activities](#) for all ages. Sacramento enjoys average temperatures in October of 79°F high / 53°F low.



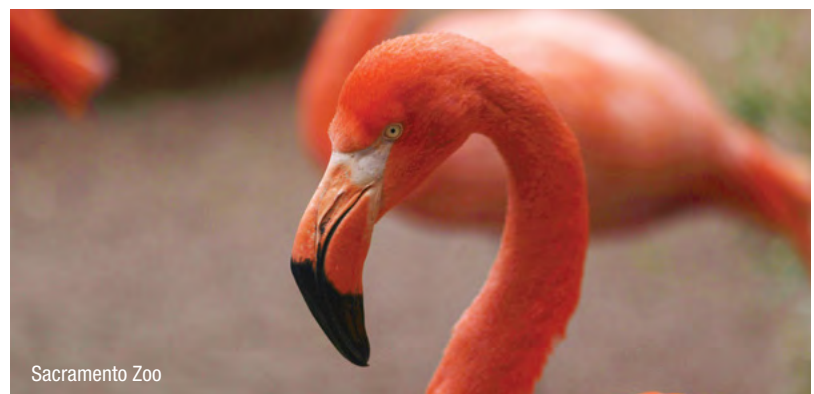
Courtesy of SAFE Credit Union Convention Center

## Visit Sacramento Badge Pass

Scan or click to access a collection of Sacramento attractions, retailers, and options for your evening dining that offer deals and discounts.



Courtesy W K scalgirl, [unsplash.com](#)



Photographer: Hannah Tu, [unsplash.com](#)



County of Sacramento  
City of Sacramento  
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City of Galt  
City of Elk Grove  
City of Citrus Heights  
City of Rancho Cordova

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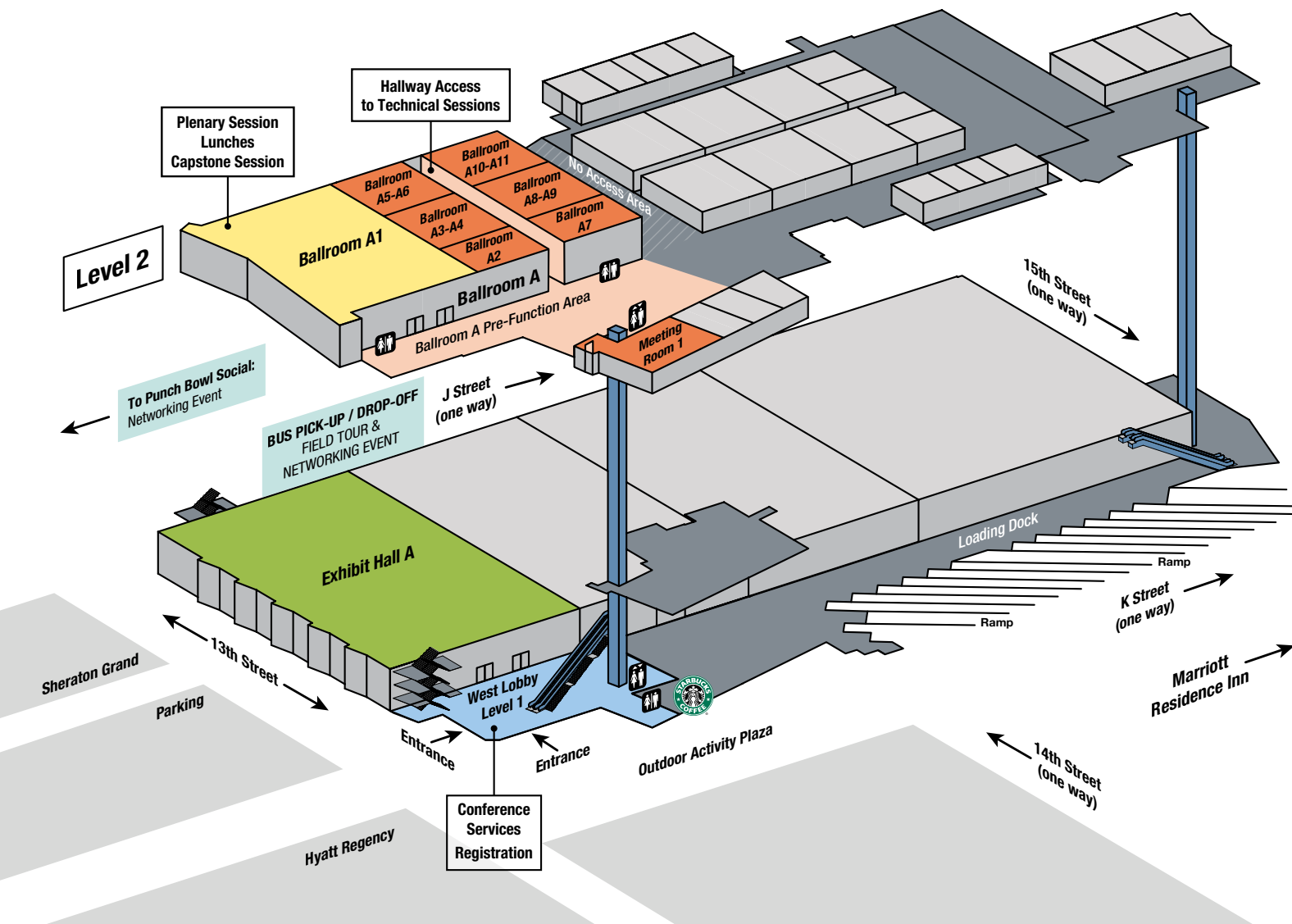
1839 Iron Point Road, Suite 150  
Folsom, California 95630  
916.365.9026

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# Conference Map

## SAFE Credit Union Convention Center

(Map not to scale)



- Conference Services / Registration Desk / Welcome Happy Hour (Sun)
- Coffee & Break Mon AM / Hallway Access to Technical Sessions
- Plenary Session (Mon) / Lunches / Capstone Session (Wed)
- Technical Sessions
- Field Tour (Mon) / Networking Event (Mon)
- Exhibits / Posters / Breaks Mon PM – Wed AM / Exhibitor Reception (Tue) / Prize Drawing (Wed)



# Agenda-at-a-Glance

For complete details see the Agenda on pages 13 – 23.

Locations are in the SAFE Credit Union Convention Center unless stated as Offsite.

## SUNDAY OCTOBER 20

### Conference Early Check-In & Welcome Happy Hour

4pm - 6pm | West Lobby, Level 1

A chance to beat the Monday morning rush by checking in early at the conference and to greet fellow attendees before heading out to dinner (cash bar)

## MONDAY OCTOBER 21

### Plenary Session

8:30am - 10:30am | Ballroom A1, Level 2

Opening Remarks, CASQA Award presentations, Keynote Address

### Field Tour

11:00am - 4:00pm | Offsite: SacSewer EchoWater Resource Recovery Facility

Limited to 48 participants and by ticket only (tickets are not available onsite)

### Multi-Track Technical Sessions

11:00am - 4:55pm | Ballrooms A2-A11 & Meeting Room 1, Level 2

### Exhibit Hall & Poster Display

11:55am - 6:00pm | Exhibit Hall A, Level 1

### Networking Event

6:00pm - 9:00pm | Offsite: Punch Bowl Social - 500 J St, Suite 100, Sacramento

Limited to individuals 21 and older and by ticket only (tickets are not available onsite); bus transportation provided (dinner, cash bar)

## TUESDAY OCTOBER 22

### Exhibit Hall & Poster Display

8:00am - 7:00pm | Exhibit Hall A, Level 1

### Multi-Track Technical Sessions

8:30am - 4:55pm | Ballrooms A2-A11 & Meeting Room 1, Level 2

### Exhibitor Reception

5:00 pm - 7:00pm | Exhibit Hall A, Level 1

Exhibitors and conference attendees (appetizers, cash bar)

## WEDNESDAY OCTOBER 23

### Exhibit Hall & Poster Display

8:00am - 11:15am | Exhibit Hall A, Level 1

### Multi-Track Technical Sessions

8:30am - 12:10pm | Ballrooms A2-A11 & Meeting Room 1, Level 2

### Exhibitor-Sponsored Prize Drawing

10:30am - 11:15am | Exhibit Hall A, Level 1

To enter the drawing attendees must visit 10 exhibit booths and drop off their completed drawing card at the CASQA registration desk by 9:00am Wednesday (must be present to win)

### Capstone Session

1:30pm - 2:30pm | Ballroom A1, Level 2

All attendees event with a discussion dedicated to advancing the State's Water Supply Strategy featuring California stormwater and water management thought leaders.





# Providing innovative water quality solutions throughout California for more than 45 years

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# Technical Tracks & Field Tour

## BMP and Control Measure Effectiveness Assessment

This track will focus on structural and non-structural BMP performance assessment methods, tools, and guidance for treatment and source control practices. Assessment methods may include performance monitoring, effective operation and maintenance practices, data-gap analyses, special studies, or other novel approaches.

## Climate Change, Resiliency, and Sustainability

This track will look at climate resiliency, sustainable practices, and legal requirements and opportunities. Topics include climate change adaptation and mitigation, water supply, water rights, groundwater recharge, energy, watershed management, integrating climate resiliency with green stormwater infrastructure, and wildfire planning.

## Construction General Permit

This track will focus on the 2022 Construction General Permit and will include discussions on stormwater related construction challenges including: innovative BMPs and controls; Total Maximum Daily Load (TMDL) implementation; passive treatment; challenges and solutions to site management; implementing cost controls; resolving monitoring and sampling issues; navigating the different challenges of linear underground and overhead projects; and other implementation experiences.

## Equity and Environmental Justice

This track will focus on the connections between the business of water management and its direct and indirect impact on underserved communities and will include: discussions of current programs; lessons learned; effective engagement of underserved communities; and how to bring diversity, equity, and inclusion into all aspects of our work in stormwater management.

## Funding

This track will feature approaches to funding and financing stormwater programs and infrastructure. This track also includes asset management - tracking for capitalization, schedule for replacing aging infrastructure, and its role in full stormwater program integration.

## Green Infrastructure and Nature-Based Solutions Design and Maintenance

This track will highlight innovations in the design and maintenance of green infrastructure and nature-based solutions that improve water quality, protect natural waterways, prevent flood impacts, recharge groundwater supplies, and/or capture stormwater. Topics will focus on

planning efforts, pilot studies, design lessons learned, operation and maintenance challenges / solutions, and adaptive management strategies after installation.

## Industrial General Permit

This track will cover various aspects of the Industrial General Permit such as pollutant source assessments, monitoring and reporting, Exceedance Response Action requirements, BMPs, TMDLs, water quality based corrective actions, compliance options, permit participation initiatives, and Clean Water Act citizen lawsuits.

## Modeling and Data Tools

This track will focus on modeling of all types, including hydrologic, water quality, and geographic information systems (GIS). Innovative data collection, visualization, assessment tools, and quantification methods and metrics will be presented, including how data tools from other industries may be repurposed for use in the stormwater arena.

## Monitoring and Special Studies

This track will highlight innovations in monitoring methodologies or monitoring programs and the development and implementation of special studies such as those investigating pollutant source, fate, and transport, including how monitoring results can be used to inform stormwater management.

## Municipal Programs

This track will focus on the challenges and solutions faced while implementing a municipal stormwater program for Phase I and Phase II agencies. The track will address emerging issues for municipalities such as workforce development, monitoring program challenges, unsheltered communities, cost reporting, and asset management.

## Outreach, Engagement, and Education

This track will share ideas for creating and implementing innovative stormwater outreach projects/programs that are designed to educate the community about stormwater as a resource and what we can do to protect local waterbodies and watersheds. Projects/programs can include efforts such as media campaigns, social media strategies, educational programs for youth, rebate programs, engaging with underserved communities, and measuring the effectiveness of outreach and education activities in increasing awareness and changing behavior.

## Policy, Permitting, and Legislation

This track will include discussions of policy and legislative initiatives and their impacts on stormwater, updates from regulators and legal experts, opportunities for leveraging partnerships, and examples and case studies

of legislative engagement and innovative ways that regulatory obligations can be met. This track includes new regulatory requirements and developments around the new commercial, industrial, and institutional (CII) Permit.

## Pollutants of Concern and True Source Control

This track will focus on priority pollutants, contaminants of emerging concern, and true source control activities, including regulatory opportunities and constraints, new scientific advancements, and management methods. The topics could include bacteria, current use pesticides, trash, biointegrity and biostimulatory substances, microplastics, PFAS, copper, zinc, PCBs, and other constituents of concern.

## Stormwater Capture and One Water Collaborations

Stormwater capture protects our water resources while providing investments in communities, flood control, green infrastructure, street beautification, sanitation, water conservation, and groundwater recharge. This track focuses on how stormwater capture builds partnerships across entities including water districts, wastewater agencies, municipalities, businesses, community development organizations, industrial entities, schools, and Phase II Non-Traditional permittees. This track includes successes and lessons learned from existing and developing One Water programs.

## Field Tour

**Offsite:** Mon, Oct 21, 11am – 4pm

Limited to 48 participants and by ticket only (\$30). Tickets may only be purchased online when registering for the conference; not available onsite.

### Tour Location: [SacSewer EchoWater Resource Recovery Facility](#)

A significant portion of Downtown Sacramento drains to a combined sewer and stormwater system that eventually drains to the SacSewer EchoWater Resource Recovery Facility. This facility provides tertiary treatment for 1.6 million customers through the Sacramento region and, by 2027, a portion of that water will be diverted to supply up to 50,000 acre-feet (roughly 16 billion gallons) of drought-resistant recycled water each year and bring other benefits to the region. Although the facility is primarily a wastewater treatment plant, the infrastructure available on site can handle up to 60 million gallons per day from the City's combined sewer system. Note that this tour is separate from the City of Sacramento's Combined Sewer System facilities.



## MANAGING STORMWATER UNDERGROUND



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- Safer to enter
- Easy to access & maintain
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# What's your stormwater issue?



Visit our interactive ideas page to learn more about stormwater issues that may impact your community.

Design with community in mind  
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## Real Solutions for the Natural and Human Environment

For the last 20 years, *Engineering News-Record* has ranked Tetra Tech as a top firm in water resources consulting. Our team provides full-spectrum stormwater services, including cutting-edge watershed studies, sustainable BMP designs, smart monitoring approaches, and expert regulatory support.



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What happens **NEXT** is happening **NOW**.

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(916) 858-2767  
KatieMcCoy@kennedyjenks.com

#### SANTA ROSA

703 2nd Street, Suite 410  
Santa Rosa, CA 95401  
(707) 526-1064

Julian Kayne  
(707) 293-1173  
JulianKayne@kennedyjenks.com

#### Stormwater Practice Leader

Ross Dunning, PE  
(253) 835-6449  
RossDunning@kennedyjenks.com

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# Plenary Session

The Plenary Session opens the conference on Monday including the Keynote Address and CASQA Award presentations, which recognize individuals, projects, and programs that are exemplary examples of advancing sustainable stormwater management.



Photographer: Melissa Jacobs



## Keynote Address: Letitia Grenier

**Director – Water Policy Center and Senior Fellow**  
*Public Policy Institute of California (PPIC)*

Letitia Grenier is director of the PPIC Water Policy Center, where she is also a senior fellow. She previously directed the Resilient Landscapes Program of the San Francisco Estuary Institute, where she served as a resource for local and national media; advised government and agency staff; and worked with partners to conserve California's living resources by developing landscape-scale, collaborative, science-based visions and solutions. She was also the 2020 PPIC CalTrout Ecosystem Fellow and an adjunct fellow with the PPIC Water Policy Center. Throughout her career, she has worked as a proponent and leader of science-based

management. In 2019 and 2015, she served as the science lead for the State of the Estuary Report, and she was also the science lead for the 2015 update to the Baylands Ecosystem Habitat Goals, heading a team of over 200 environmental scientists, managers, and regulators to develop recommendations for restoring and maintaining the health of the Bay's tidal wetlands in the face of rising sea levels and other stressors. She completed her PhD at University of California, Berkeley, where her research concentrated on the ecology of the Bay-Delta estuary system.

# Capstone Session

The Capstone Session is one of the premier conference events, where visionary leaders come together to engage in transformative discussions that impact the future of sustainable stormwater management. This year, the Capstone Session is dedicated to advancing the ambitious goals of the State's Water Supply Strategy. This all-attendee event will feature an exceptional lineup of thought leaders and promises to be a powerful conclusion to the conference, leaving participants inspired and empowered to drive change.



**Anna Caballero**

Senator – 14th District  
*California State Senate*



**Joaquin Esquivel**

Chair  
*California State Water Resources Control Board*



**Karla Nemeth**

Director  
*California Department of Water Resources*  
Governor Newsom's Advisor  
on the State's water priorities



**Karen Cowan**

Executive Director  
*CASQA*



# Agenda

Locations are in the SAFE Credit Union Convention Center unless stated as Offsite.

## SUN OCT 20

4:00p - 6:00p	<b>CONFERENCE SERVICES</b>	<b>LOCATION:</b> WEST LOBBY, LEVEL 1 Beat the Monday morning rush by checking in at the CASQA Registration Desk on Sunday.
4:00p - 6:00p	<b>WELCOME HAPPY HOUR</b>	<b>LOCATION:</b> WEST LOBBY, LEVEL 1 Greet fellow early arrivals before heading out to dinner (cash bar).

## MON OCT 21

7:30a - 8:30a	<b>COFFEE</b>	<b>LOCATION:</b> BALLROOM A PRE-FUNCTION, LEVEL 2 WEST
7:30a - 5:30p	<b>CONFERENCE SERVICES</b>	<b>LOCATION:</b> WEST LOBBY, LEVEL 1 CASQA Conference Services and Registration Desk
8:30a - 10:30a	<b>PLENARY SESSION</b>	<b>LOCATION:</b> BALLROOM A1, LEVEL 2 WEST
	<b>WELCOME AND OPENING REMARKS</b> Rob Carson <i>Chair, CASQA Board of Directors</i> Karen Cowan <i>Executive Director, CASQA</i>	<b>CASQA AWARDS</b> BOARD OF DIRECTORS AND EXECUTIVE PROGRAM COMMITTEE RECOGNITION OUTSTANDING SERVICE EXHIBITOR RECOGNITION OUTSTANDING STORMWATER PROGRAMS AND PROJECTS GEOFF BROSSIEU LEADERSHIP AWARD
		<b>KEYNOTE</b> Letitia Grenier <i>Director – Water Policy Center and Senior Fellow, Public Policy Institute of California (PPIC)</i>
10:30a - 11:00a	<b>BREAK</b>	<b>LOCATION:</b> BALLROOM A PRE-FUNCTION, LEVEL 2 WEST
11:00a - 4:00p	<b>FIELD TOUR</b>	<b>LOCATION:</b> OFFSITE - SacSewer EchoWater Resource Recovery Facility Limited to 48 participants by pre-paid ticket (lunch included); tickets are not available onsite. Bus pick-up / drop-off: SAFE Credit Union Convention Center



Photographer [Melissa Jacobs](#).

## Networking Event

### Punch Bowl Social

**Monday, Oct 21, 6 – 9pm**

A unique opportunity to socialize after hours, enjoy food and entertainment, and continue the stormwater discussion (dinner; cash bar). One ticket is included with a Full Conference Pass.

Add-on ticket for a 1-Day Conference Pass or attendee guest can be purchased online until Fri Oct 11, 5pm PT (\$200).

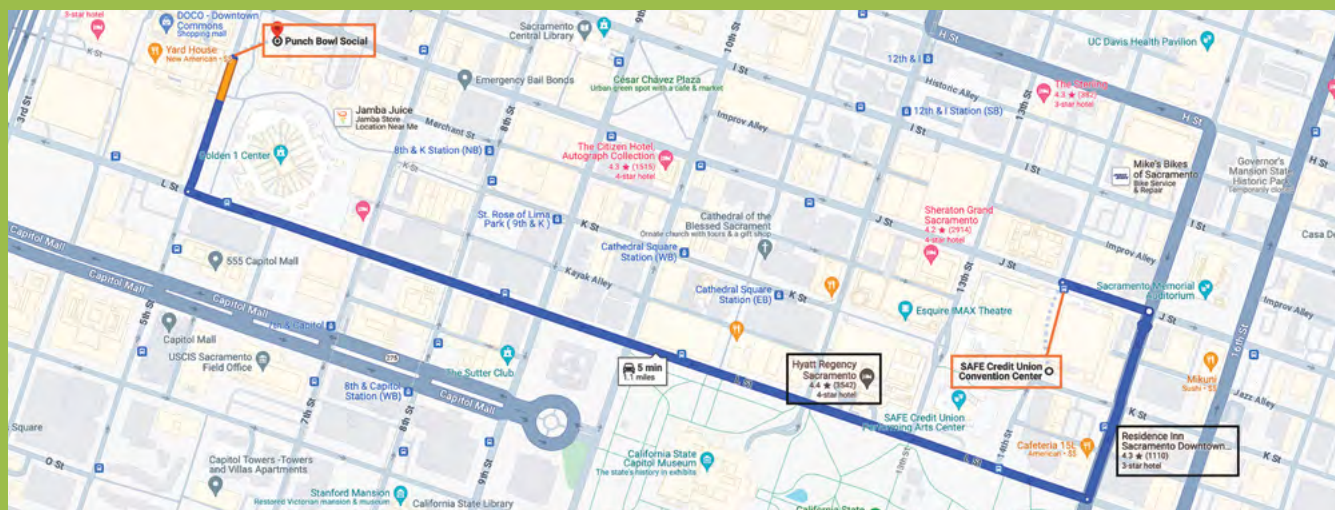
*Tickets are not available onsite.*

*Limited to individuals 21 and older.*

*Bus pick-up/drop-off: SAFE Credit Union Convention Center.*



Courtesy of cardup.com



Courtesy of google.com/maps

## Earn Professional Development Hours

Self-verification forms are provided to all attendees upon check-in at the CASQA Registration Desk.

### **2024 Participating Certification Organizations**

#### **California Water Environment Association (CWEA)**

- Environmental Compliance Inspector (ECI)

#### **Ecoplant Environmental, Inc.**

- Certified Inspector Sediment and Erosion Control (CISEC)

#### **EnviroCert International Inc.**

- Certified Erosion, Sediment and Stormwater Inspector (CESSWI)
- Certified Professional in Erosion and Sediment Control (CPESC)
- Certified Professional in Industrial Stormwater Management (CPISM)
- Certified Professional in Municipal Stormwater Management (CPMSM)
- Certified Professional in Stormwater Inspection (CPSWI)
- Certified Professional in Stormwater Quality (CPSWQ)
- National Green Infrastructure Certification Program (NGICP)
- Qualified Stormwater Manager (QSM)



Photographer: Rand L. Larson

[LEARN MORE](#)



# MON OCT 21 CONTINUED

SESSION 1	TRACK: Modeling and Data Tools	TRACK: Funding	TRACK: Municipal Programs	TRACK: Monitoring and Special Studies	TRACK: Stormwater Capture and One Water Collaborations	TRACK: BMP and Control Measure Effectiveness Assessment	TRACK: Construction General Permit
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Jian Peng Orange County Public Works	David Smith Water Innovation Services	Rob Carson County of Marin	Bonnie de Berry EOA, Inc.	Maureen Kerner Office of Water Programs at Sacramento State	Tony Hancock Black & Veatch	Joseph Draper CASQA
11:00a - 11:25a	<i>Dynamic GIS Suitability Model for Identifying Regional BMP Opportunities</i>  Tony Howze PACE Advanced Water Engineering	<b>PANEL</b> <i>Stormwater Funding Options and Strategies- What Are the Currently Available Puzzle Pieces?</i>  Panelists: Jennifer Toney State Water Resources Control Board	<i>Small Municipal Separate Storm Sewer System (MS4) General Permit Reissuance</i>  Paul Levy State Water Resources Control Board	<i>Use of LiDAR Data Collection as an Effective Tool for Tracking and Identifying Streams Vulnerable to Erosion for Restorative Action</i>  Jesse Aragon Orange County Public Works	<i>From Storms to Supply: Creating Frameworks to Integrate Stormwater Capture into Water Supply Planning</i>  Shannon Spurlock Pacific Institute	<i>What's Really in Your Bioretention System? A Survey of Specification Compliance and Impacts of Media QA/QC</i>  Craig Fairbaugh Contech Engineered Solutions	<b>PANEL</b> <i>QSDs, QSPs, and ToRs – Discussion on the 2009 and 2022 CGPs</i>  Panelists: Brandon Roosenboom State Water Resources Control Board Sandy Mathews Larry Walker Associates
11:30a - 11:55a	<i>Put Street Sweeping on the Map: Optimize Effort and Track Water Quality Improvement With Stormwater GIS</i>  Gary Conley 2NDNATURE Software, Inc	Melissa Boudrye California Governor's Office of Emergency Services  Mike Dietl U.S. Bureau of Reclamation  Elizabeth Borowiec U.S. EPA, Region 9		<i>Evaluation of Phosphorous Loading To Support Water Supply Protection and Control Algae in Lake Cachuma</i>  Jared Ervin Geosyntec Consultants	<i>Developing a OneWatershed Framework in San Mateo County</i>  Reid Bogert City/County Association of Governments of San Mateo County	<i>Media Cation Exchange Capacity (CEC) as a Predictor of Cu Sorption in Biofiltration</i>  Danhui Xin Southern California Coastal Water Research Project	Kadi Whiteside Southern California Edison  Andrew Sidor Michael Baker International

11:55a - 1:30p	<b>LUNCH</b>	<b>LOCATION:</b> BALLROOM A1, LEVEL 2 WEST					
11:55a - 6:00p	<b>EXHIBIT HALL OPEN</b>	<b>LOCATION:</b> EXHIBIT HALL A, LEVEL 1 WEST					
11:55a - 6:00p	<b>POSTER SESSION</b>	<b>LOCATION:</b> EXHIBIT HALL A, LEVEL 1 WEST					

SESSION 2	TRACK: Modeling and Data Tools	TRACK: Funding	TRACK: Municipal Programs	TRACK: Monitoring and Special Studies	TRACK: Stormwater Capture and One Water Collaborations	TRACK: BMP and Control Measure Effectiveness Assessment	TRACK: Construction General Permit
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Jian Peng Orange County Public Works	Daniel Apt Olauanu	Sandy Mathews Larry Walker Associates	Bonnie de Berry EOA, Inc.	Maureen Kerner Office of Water Programs at Sacramento State	Tony Hancock Black & Veatch	Kyla Wood Applied Polymer Systems, Inc.
1:30p - 1:55p	<i>Novel Approaches To Support for Large-Scale Regional Hydrology and Water Quality Watershed Modeling: Lessons Learned Through Sensitivity and Uncertainty Analyses</i>  John Riverson Paradigm Environmental	<b>PANEL</b> <i>Assembling the Puzzle- Developing Comprehensive Strategies for Local Stormwater Program Funding</i>  Panelists: Reid Bogert City/County Association of Governments of San Mateo County	<i>Results of a Private Property Incentive Program: Proof It Makes an Impact and Brings New Funding</i>  Scott Norris County of San Diego	<i>Stormwater Outfall and Receiving Water Trash Monitoring To Verify Trash Reductions From MS4s</i>  Paul Randall EOA, Inc.	<i>OASIS Water Resource Center</i>  Laura Rocha Moulton Niguel Water District	<i>Quantifying the Microplastic Removal Efficacy of Bioretention Sand Filtration</i>  Hassan Davani San Diego State University	<b>TRAINING WORKSHOP (SESSIONS 2-3)</b> <i>Passive Treatment Technologies</i>  Speakers: Brian Free and Kyla Wood Applied Polymer Systems, Inc. Matthew Renaud NV5
2:00p - 2:25p	<i>Leveraging NASA Data Products and Tools for Stormwater Management</i>  Gurjot Kohli Stantec	Craig Foster City of Santa Ana  Heidi Niggemeyer City of Salinas  Kenneth Johansson California Department of Transportation	<i>Building on a Successful Private Property Incentives Program: Treating Impervious Surface on HOA Land</i>  Grant Sharp Orange County Public Works	<i>Assessing the Ecological Impact of Instream Diversions in the North Coast</i>  Jacob Morgan Paradigm Environmental	<i>Stormwater to Potable – a Blended US/International Perspective on Stormwater Recycling</i>  Julia Schmitt Carollo Engineers	<i>Measuring Runoff Water Quality Improvement From Street Sweeping in Southern California</i>  Elizabeth Fassman-Beck Southern California Coastal Water Research Project	

# MON OCT 21 CONTINUED

SESSION 3	TRACK: Modeling and Data Tools	TRACK: Monitoring and Special Studies	TRACK: Municipal Programs	TRACK: Equity and Environmental Justice	TRACK: Stormwater Capture and One Water Collaborations	TRACK: BMP and Control Measure Effectiveness Assessment	TRACK: Construction General Permit
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Jian Peng Orange County Public Works	Nick Poser NV5	Lori Pettegrew Geosyntec Consultants	Leneyde Chavez Carollo Engineers	Jim Rasmus Stantec	Lisa Austin Geosyntec Consultants	Kyla Wood Applied Polymer Systems, Inc.
2:35p - 3:00p	<i>High Resolution Calculation of Annual Mass Loads and Associated Error for Urban Runoff Discharge – Comparison of Deterministic, Stochastic, and Simplified Methods</i> Brian Laurenson Larry Walker Associates	<i>The San Diego River Investigative Order: A Synthesis of Research into Sources of Human Fecal Pollution</i> Ken Schiff Southern California Coastal Water Research Project	<i>Five Keys to Building Effective Regional Training Programs: Lessons From the Pacific Northwest</i> Rebecca Dugopolski Herrera Environmental Consultants	<i>Safe, Clean Water Program – Equity in Stormwater Investments</i> Mike Antos Stantec	<i>Socioeconomic Value of Urban Stormwater</i> Joseph Draper CASQA	<i>The Hydraulics of Flow Through Trash Screens: Are We Doing the Hole Thing Wrong?</i> Julia Watson EnviroPod	<b>TRAINING WORKSHOP</b> continued
3:05p - 3:30p	<i>Can Distributed Green Infrastructure Be Used To Meet Flood Mitigation Targets?</i> Caroline Burger Carollo Engineers	<i>Estimating Wastewater Exfiltration From Sanitary Sewers and Fecal Loading to Urban Stormwater</i> John Griffith Southern California Coastal Water Research Project	<i>Plan Checkers, the LID Sizing Tool Now Does Trash!</i> Scott Meyer Office of Water Programs at Sacramento State	<i>Community Engagement and Sustainability Analysis To Enhance Resiliency Against Compound Flooding</i> Hassan Davani San Diego State University	<i>Optimized Funding Success- City of LA's Multi-Benefit Stormwater Capture Projects</i> Sunshine Saucedo Carollo Engineers	<i>Unboxing: The BMP Evaluation Framework</i> Rachel Biller Los Angeles County Public Works	

3:30p - 4:00p

## BREAK AND EXHIBITOR FOCUS

LOCATION: EXHIBIT HALL A, LEVEL 1 WEST

SESSION 4	TRACK: Modeling and Data Tools	TRACK: Monitoring and Special Studies	TRACK: Municipal Programs		TRACK: Stormwater Capture and One Water Collaborations	TRACK: BMP and Control Measure Effectiveness Assessment	TRACK: Construction General Permit
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST		BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Joseph Draper CASQA	Nick Poser NV5	Lori Pettegrew Geosyntec Consultants		Chad Praul Environmental Incentives	Lisa Austin Geosyntec Consultants	Stacy Sinclair Flatiron West, Inc.
4:00p - 4:25p	<i>Tracking Real Time Rainwater and Runoff Capture – Planning and Tracking Tool for Stormwater Programs</i> Paul Caswell Hazen and Sawyer	<i>Pathogen Monitoring and Source Detection in the Petaluma River Watershed</i> Alisa Keenan Permit Sonoma	<i>Innovative Alternative Compliance for Enhanced Stormwater Management</i> Stuart Kuhn Hoch Consulting		<b>PANEL</b> <i>Private Property Incentive Programs: Why Are Agencies Investing Now?</i> Panelists: Scott Norris County of San Diego Grant Sharp Orange County Public Works Tia Flemming California Water Efficiency Partnership	<i>Turbidity as a Performance Indicator for Monitoring BMPs</i> Page Jordan U.S. EPA Office of Research and Development	<i>Passive Treatment: The Role of a Consultant and Promising Findings</i> Kaena Meyer Emerald Site Services, Inc.
4:30p - 4:55p	<i>Effectively Communicating a Complex Model: Lessons From the San Luis Rey Reasonable Assurance Demonstration</i> Ruth de la Rosa County of San Diego	<i>Collaborative Bacteria Monitoring and Public Outreach Messaging on Recreational Beneficial Uses in the Lower American River</i> Alisha Wenzel Central Valley Regional Water Quality Control Board	<i>Mapping Our Future: Collaborative Efforts in Updating San Diego County's MS4 Inventory</i> Andrew Thies Rick Engineering Company			<i>Sediment Removal and Recovery in Fabric Wrapped Chamber Systems</i> Vaikko Allen Contech Engineered Solutions	<i>The Essential Role of Performance Testing in Passive Treatment</i> Kyla Wood Applied Polymer Systems, Inc.

4:55p - 6:00p

## EXHIBITOR FOCUS

LOCATION: EXHIBIT HALL A, LEVEL 1 WEST

6:00p - 9:00p

## NETWORKING EVENT

**OFFSITE LOCATION:** PUNCH BOWL SOCIAL (500 J ST, SUITE 100, SACRAMENTO)  
Socialize after hours, enjoy food and entertainment, and continue the stormwater discussion (dinner; cash bar).  
One ticket is included with a Full Conference Pass. Tickets are not available onsite.  
Bus pick-up/drop-off: SAFE Credit Union Convention Center.





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# TUE OCT 22

7:30a - 8:30a	<b>COFFEE</b>	LOCATION: EXHIBIT HALL A, LEVEL 1 WEST
7:30a - 5:30p	<b>CONFERENCE SERVICES</b>	LOCATION: WEST LOBBY, LEVEL 1 CASQA Conference Services and Registration Desk
8:00a - 7:00p	<b>POSTER SESSION</b>	LOCATION: EXHIBIT HALL A, LEVEL 1 WEST
8:00a - 7:00p	<b>EXHIBIT HALL OPEN</b>	LOCATION: EXHIBIT HALL A, LEVEL 1 WEST

SESSION <b>5</b>	TRACK: Modeling and Data Tools	TRACK: Policy, Permitting, and Legislation	TRACK: Municipal Programs	TRACK: Outreach, Engagement, and Education	TRACK: Stormwater Capture and One Water Collaborations	TRACK: BMP and Control Measure Effectiveness Assessment	TRACK: Pollutants of Concern and True Source Control
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Yige Yang Paradigm Environmental	Dianne Franks SunGrid Solutions	Danielle Moss City of Davis	Ewelina Mutkowska CASQA	Dakota Keene Office of Water Programs at Sacramento State	Cory Jones Cvaldo Corporation	Roshan Christoph Sage Environmental
8:30a - 8:55a	<i>Modeling the Complexities of Water Supply, Water Demand, Instream Flows, and Sustainable Water Management in the Shasta River Watershed</i>  John Riverson Paradigm Environmental	<i>What's Next for the State Board: A BrainSTORMS Session</i>  Amanda Magee State Water Resources Control Board	<i>The State of Gravel: Ubiquitous, Confusing, or Both</i>  Bill Flores HDR Engineering, Inc.	<i>Rain Ready California</i>  Joseph Draper CASQA	<i>Storm to Shade: Tucson's Innovative Green Infrastructure Program as a Hub for Effective Partnerships</i>  James MacAdam Tucson Water	<i>A Review of Long-Term Monitoring Data From Bioretention Stormwater BMPs</i>  Ron Rovanssek PACE Advanced Water Engineering	<i>PFAS in Stormwater: What We Know 5.0</i>  Brandon Steets Geosyntec Consultants
9:00a - 9:25a	<i>A Case Study on Complex Groundwater-Surface Water Modeling for Instream Flow Establishment and Algae TMDL Modification</i>  AI Preston Geosyntec Consultants	<i>Introduction to the STORMS Urban Stormwater Infiltration Policy</i>  Kelly Rodman State Water Resources Control Board	<i>Designing Trash Capture for O&amp;M (Instead of Checking a Box)</i>  Bryan Mahoney City of Sacramento Department of Utilities	<i>Practical Ideas and Solutions for Merging Brands: Embracing the Rain Ready California Initiative Locally</i>  Jeanette Huddleston Sacramento County Department of Water Resources	<i>From Watershed Plan to Community-Focused Capture Implementation: Building Stormwater Solutions That Cultivate Partnerships for Enduring Infrastructure Investments</i>  Brianna Martin County of San Diego	<i>From Risk to Resolution: A Collaborative and Comprehensive BMP Evaluation Effort for Bacteria Reduction in Newport Bay Watershed</i>  Stella Shao GSI Environmental Inc.	<i>Overview of Current Data of PFAS in Stormwater With a Focus on the Developed Annual Runoff Model To Estimate the Annual Mass Discharge of PFOS in Stormwater</i>  Mehak Gupta GSI Environmental Inc.

SESSION <b>6</b>	TRACK: Modeling and Data Tools	TRACK: Policy, Permitting, and Legislation	TRACK: Municipal Programs	TRACK: Outreach, Engagement, and Education	TRACK: Stormwater Capture and One Water Collaborations	TRACK: Green Infrastructure and Nature-Based Solutions Design and Maintenance	TRACK: Pollutants of Concern and True Source Control
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Yige Yang Paradigm Environmental	Tess Dunham Kahn, Soares & Conway	April Mendez Greenprint Partners	Danielle Peltier Michael Baker International	Dakota Keene Office of Water Programs at Sacramento State	Paul Caswell Hazen & Sawyer	Mehran Ebrahimi GSI Environmental Inc.
9:35a - 10:00a	<i>Transforming Stormwater Planning: An IDEA To Promote Sustainable and Climate Resilient Watersheds</i>  Ali Tasdighi Paradigm Environmental	<b>PANEL</b> <i>Stormwater Regulation in a Post Chevron Doctrine World: Implications and Consequences</i>  Panelists: Shawn Hagerty Best Best & Krieger LLP	<b>PANEL</b> <i>Centering Community and Collaboration in Stormwater Program Design</i>  Panelists: Vicki Estrada Groundwork San Diego	<b>TRAINING WORKSHOP</b> <i>Leveraging AI in Media</i>  Danielle Peltier Michael Baker International	<i>Francisco Park Stormwater Reutilization</i>  Cody Anderson Sherwood Design Engineers	<i>Integrating Safe Routes to School and Green Streets Pilot Program in San Mateo County</i>  Reid Bogert City/County Association of Governments of San Mateo County	<b>TRAINING WORKSHOP</b> <i>PFAS in Stormwater: Coming to a Permit Near You</i>  Speakers: Jian Peng Orange County Public Works
10:05a - 10:30a	<i>A Decision Support System for Safe Clean Water Implementation: Modernization of Stormwater Project Planning, Data Management, and Administrative Reporting</i>  Paige Bistromowitz LA Sanitation & Environment	<i>Greg Newmark Meyers Nave</i>	<i>David Gibson State Water Resources Control Board</i>  <i>Lisa Sasso Milwaukee Metropolitan Sewerage District</i>		<i>The One Water Approach in Action at the MacArthur Lake Stormwater Capture Project in Downtown LA</i>  Inge Wiersema Carollo Engineers	<i>Municipal Stormwater Retrofits: The Unique Planning, Design, Construction, Budgeting and Maintenance Challenges</i>  Rob Woodman Ferguson Waterworks	<i>Wayne Rosenbaum The Environmental Law Group, LLP</i>  <i>Brandon Steets Geosyntec Consultants</i>



# TUE OCT 22 CONTINUED

10:30a - 11:00a

## BREAK AND EXHIBITOR FOCUS

LOCATION: EXHIBIT HALL A, LEVEL 1 WEST

SESSION 7	TRACK: Modeling and Data Tools	TRACK: Industrial General Permit	TRACK: Municipal Programs	TRACK: Outreach, Engagement, and Education	TRACK: Stormwater Capture and One Water Collaborations	TRACK: Green Infrastructure and Nature-Based Solutions Design and Maintenance	TRACK: Pollutants of Concern and True Source Control
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Ken Schiff Southern California Coastal Water Research Project	Jarma Bennett State Water Resources Control Board	Sandy Mathews Larry Walker Associates	Nicole Wilson Larry Walker Associates	Jim Rasmus Stantec	Stephanie Gaines County of San Diego	Roshan Christoph Sage Environmental
11:00a - 11:25a	<i>A Pilot Crediting and Trading System To Support the Feasibility for a Fee-in-Lieu Program in Unincorporated Los Angeles County</i> Jalaine Verdiner Los Angeles County Public Works	<b>PANEL</b> <i>Industrial General Permit Reissuance</i> Panelists: Patrick Otsuji State Water Resources Control Board Pushpa Zachariah, State Water Resources Control Board	<i>Enhancing Municipal Data Management To Strengthen Stormwater Compliance Efforts</i> Brittany Perkins City of Oceanside	<i>Project Clean Water: Empowering Communities for Trash-Free Watersheds</i> Paige Copenhagen County of San Diego	<b>PANEL</b> <i>Water Supply Perspectives on Urban Stormwater Capture and Use in Northern California</i> Panelists: Jose Alarcon California Department of Water Resources	<i>Design and Monitoring of a Novel Regional Bioretention System Employing Phosphorus Optimized Treatment Media</i> Dylan Ahearn Herrera Environmental Consultants	<i>6PPD-Quinone – When the Rubber Meets the Road</i> Cayla Whiteside Kennedy Jenks Consultants
11:30a - 11:55a	<i>Demonstration of the Parcel Benefit Calculator To Quantify the Water Quality Benefits of the County of San Diego Waterscape Rebate Program</i> Scott Norris County of San Diego			<i>Enhancing Public Education and Outreach With Maps</i> Krista McDonald 2NDNATURE Software, Inc	Taylor Nokhoudian San Francisco Public Utilities Commission Reid Bogert City/County Association of Governments of San Mateo County Kirsten Struve Santa Clara Valley Water District	<i>Sizing the Hybrid: Optimizing Retention With Mix Volume- and Flow-Based Treatment Trains</i> Joshua Gualco California Department of Transportation	<i>Targeted Treatment for a Toxic Tire Chemical (6PPD-Q)</i> Carly Greyell King County Water and Land Resources Division

11:55a - 1:30p

## LUNCH

LOCATION: BALLROOM A1, LEVEL 2 WEST

SESSION 8	TRACK: Monitoring and Special Studies	TRACK: Industrial General Permit	TRACK: Municipal Programs	TRACK: Outreach, Engagement, and Education	TRACK: Stormwater Capture and One Water Collaborations	TRACK: Green Infrastructure and Nature-Based Solutions Design and Maintenance	TRACK: Pollutants of Concern and True Source Control
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Abigail Suter Riverside Flood Control & Water Conservation District	Mehran Ebrahimi GSI Environmental Inc.	Rob Carson County of Marin	Nicole Wilson Larry Walker Associates	Jeff Mosher Santa Ana Watershed Project Authority	Stephanie Gaines County of San Diego	Vicki Kalkirtz City of San Diego
1:30p - 1:55p	<i>Street Sweeping's Role in Achieving Full Capture System Equivalency Targets in California – Development of Local Metrics in the City of Stockton</i> Caleb Klotzle Larry Walker Associates	<b>TRAINING WORKSHOP (SESSIONS 8-9)</b> <i>Site Assessments, Monitoring, and the ERA Merry-Go-Round</i> Speakers: Sandy Mathews Larry Walker Associates Nancy Gardiner Haley & Aldrich, Inc.	<i>Stormwater Infrastructure: Inventory Management Based on Inspector Feedback</i> Kenneth Russell Santos City of San Diego	<i>Green Infrastructure Co-Benefit Enhancement Through Community Engagement</i> Diana Teran LimnoTech	<i>Transforming Water Management at San Diego Airport: A Model for Inspiring Solutions Together</i> Katie Altobello-Czescik San Diego County Regional Airport Authority	<i>Initial Assessment of 10 Green Street Projects</i> Stephanie Gaines County of San Diego	<b>PANEL</b> <i>Regulatory Collaboration to Protect Stormwater through True Source Control</i> Panelists: Amanda Magee State Water Resources Control Board
2:00p - 2:25p	<i>The Caltrans Trash Characterization and Migration Study – Results From Three-Years of Trash Monitoring in Stormwater Discharges</i> Joshua Gualco California Department of Transportation	Matthew Hillyard GSI Environmental Inc. Elliott Ripley Ashworth Leininger Group Jodie Crandell Keramida	<i>From Management Program to Meaningful Projects – How Pasadena Created an Implementable Pathway To Progress Towards MS4 Compliance</i> Dawn Petschauer City of Pasadena	<i>Community Climate Resilience: Combining Innovative Technologies with Meeting Community Needs</i> Lauren Roth Venu 3Rwater	<i>One Love: Public/Private Entities Join Together To Embrace One Water Through Stormwater Recharge</i> Shawn Kenney Woodard & Curran	<i>Central Jefferson: Rethinking Alley Networks for Stormwater Capture</i> Alex Aguirre Tetra Tech	Nan Singhasemanon Department of Pesticide Regulation Anne-Cooper Doherty Department of Toxic Substances Control

# TUE OCT 22 CONTINUED

SESSION 9	TRACK: Monitoring and Special Studies	TRACK: Industrial General Permit	TRACK: Municipal Programs	TRACK: Outreach, Engagement, and Education	TRACK: Stormwater Capture and One Water Collaborations	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Pollutants of Concern and True Source Control
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Abigail Suter Riverside Flood Control & Water Conservation District	Mehran Ebrahimi GSI Environmental Inc.	Vanessa Thulsiraj Michael Baker International	Paige Copenhaver County of San Diego	Shannon Spurlock Pacific Institute	David Pohl Burns & McDonnell	Brian Currier Office of Water Programs at Sacramento State
2:35p - 3:00p	<i>Is It Safe To Swim? Relatively Affordable and Approachable Beach Recreation Risk Assessment in Santa Barbara, CA</i>  Jill Murray City of Santa Barbara Creeks Division	<b>TRAINING WORKSHOP</b> continued	<b>PANEL</b> <i>Addressing Human Waste Sources in the South Orange County Watershed</i>  Panelists: Cindy Rivers Orange County Public Works  Niki Beach City of San Clemente	<i>Creating Connection- an Innovative Approach to Municipal Separate Storm Sewer System (MS4) Objectives Through Partnership With the Office of Economic Development</i>  Kelli Fry Sacramento County Office of Economic Development	<b>PANEL</b> <i>Rethinking Stormwater Management: Addressing Modern Water Challenges in the Western United States Through Policy Innovation</i>  Panelists: Nicole Beck 2NDNATURE Software, Inc	<i>Don't Let Your BMPs Go Up in Smoke: How To Plan for Increased Wildfires</i>  Brenda Stevens WSP	<i>Bacteria Summit 2022 Followup-Tools for Implementation</i>  Ashli Desai Larry Walker Associates
3:05p - 3:30p	<i>Linking Indicators of Fecal Contamination to Human Health Risk in Southern California Stormwater</i>  Joshua Steele Southern California Coastal Water Research Project			<i>County of San Diego Septic Rebate Program: Outreach Successes and Program Improvements</i>  Kate Molton D-Max Engineering, Inc.	Amanda Magee State Water Resources Control Board  Shannon Spurlock Pacific Institute	<i>Lahaina Post-Wildfire BMP Implementation and Lessons Learned</i>  Yvana Hrovat Haley & Aldrich, Inc.	<i>Prioritizing Human Health: Tackling Bacteria Through a Risk-Based Lens</i>  Dawn Petschauer City of Pasadena

## 3:30p - 4:00p BREAK AND EXHIBITOR FOCUS LOCATION: EXHIBIT HALL A, LEVEL 1 WEST

SESSION 10	TRACK: Monitoring and Special Studies	TRACK: Industrial General Permit	TRACK: Municipal Programs	TRACK: Outreach, Engagement, and Education	TRACK: Stormwater Capture and One Water Collaborations	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Pollutants of Concern and True Source Control
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Dylan Ahearn Herrera Environmental Consultants	Matthew Lentz GSI Environmental Inc.	Erin Maker City of Carpinteria	Paige Copenhaver County of San Diego	Jeff Mosher Santa Ana Watershed Project Authority	David Pohl Burns & McDonnell	Brian Currier Office of Water Programs at Sacramento State
4:00p - 4:25p	<i>Lost in the Field – 6PPD-Q Stormwater Treatment Effectiveness and Equipment Impacts on Recovery</i>  Timothy Clark Herrera Environmental Consultants	<i>IGP Design Storm Standards Comparative Analysis</i>  Matthew Hillyard GSI Environmental Inc.	<i>Community-Based Public-Private Partnerships: Insights From Milwaukee's Fresh Coast Green Communities Program</i>  April Mendez Greenprint Partners	<i>From Static to Dynamic: Planning Public Education in a Changing World</i>  Christy Suppes County of Orange	<i>Evaluating Low Impact Developments (LIDs) for Stormwater Diversion and Groundwater Recharge</i>  Craig Ulrich Lawrence Berkeley National Laboratory	<i>Is San Diego Ready for the Next Atmospheric River? - Designing San Diego's Pump Station Network with Resiliency in Mind</i>  Ed Othmer Stantec	<i>A Group Effort – a Full Trash Capture Installation Case Study in Hayward</i>  Caitlin Tharp Schaaf & Wheeler
4:30p - 4:55p	<i>Characteristics of 6PPD-Q in Highway Stormwater Runoff</i>  Bhaskar Joshi California Department of Transportation	<i>Application of AI and ChatGPT: Data Mining on SMARTS and In-Depth IGP Data Analysis for Stormwater Management</i>  Becky Chen GSI Environmental Inc.	<i>The Devil in the Details: From a 100% Synthetic Pesticide Ban to an Integrated Pest Management Plan</i>  Cristina Goulart Town of Windsor	<i>A Participatory Science Approach to the Trash Amendments</i>  Julian Fulton California State University Sacramento	<i>Capturing the Multi-Benefit Value of Rainwater Capture Incentive Programs for Water Supply Resilience</i>  Jeffrey Odefey One Water Econ		<i>Trash Compliance Tracking via a Cloud-Based Data Management System</i>  Chris Sommers EOA, Inc.

## 5:00p - 7:00p EXHIBITOR RECEPTION LOCATION: EXHIBIT HALL A, LEVEL 1 WEST Exhibitors and conference attendees always enjoy a chance to interface in this cordial and relaxed environment (appetizers; cash bar).





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# WED OCT 23

7:30a - 8:30a	COFFEE	LOCATION: EXHIBIT HALL A, LEVEL 1 WEST
7:30a - 2:30p	CONFERENCE SERVICES	LOCATION: WEST LOBBY, LEVEL 1 CASQA Conference Services and Registration Desk
8:00a - 11:15a	EXHIBIT HALL OPEN	LOCATION: EXHIBIT HALL A, LEVEL 1 WEST
8:00a - 11:15a	POSTER SESSION	LOCATION: EXHIBIT HALL A, LEVEL 1 WEST

SESSION 11	TRACK: Monitoring and Special Studies	TRACK: Industrial General Permit	TRACK: Policy, Permitting, and Legislation	TRACK: Pollutants of Concern and True Source Control	TRACK: Green Infrastructure and Nature-Based Solutions Design and Maintenance	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Funding
ROOM	BALLROOM A2, LEVEL 2 WEST	BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR	Jill Murray City of Santa Barbara	Mehran Ebrahimi GSI Environmental Inc.	Hawkeye Sheene West Yost Associates	Arthur Deicke Environmental Pollution Solutions	Michelle Hoalton PACE Advanced Water Engineering	Andrea Crumacker Stantec	Kelly Westover Stantec
8:30a - 8:55a	<i>Navigating Recreational Water Quality Data in San Diego Bay: What Do the Numbers Mean?</i> Annabelle Burruss Port of San Diego	<b>PANEL</b> <i>Challenges and Opportunities With Commercial, Industrial, &amp; Institutional (CII) Permit Option 1</i>  Panelists: Taraneh Nik-Khah City of Los Angeles	<i>Amplify Your Voice: How to Engage in Legislative Advocacy</i> Karen Cowan CASQA	<i>The Nation's First Citywide Single-Use Plastic Bottle Ban in South Lake Tahoe</i> Sara Letton City of South Lake Tahoe	<i>Protecting Sensitive Estuary Through Green Energy Powered Innovative Trash Interceptor</i> David Pohl Burns & McDonnell Engineering	<i>Planning for the Future: The Intersection of Water Supply, RNHA Housing Needs and Regional Stormwater Capture</i> Ian Adam Fuscoe Engineering, Inc.	<i>Caltrans Stormwater Coop Funding Opportunities</i> Anand Maganti California Department of Transportation
9:00a - 9:25a	<i>A Dry Weather HF183 Retrospective: Findings and Implications of a Multi-Year, Multi- Watershed Dry Weather MS4 Outfall Screening Program in San Diego County</i> Emily Kochert County of San Diego	Wayne Rosenbaum The Environmental Law Group, LLP  Richard Watson Richard Watson & Associates, Inc.  Jason Marechal Kimley-Horn	<i>A Forever Problem: PFAS Chains in Our Storm Drains</i> Anya Kwan Best Best & Krieger LLP	<i>Source Control- Town of Truckee Single-Use Foodware Reduction Ordinances</i> Melanie Conti City of Truckee	<i>Developing and Implementing Natural Treatment Basins in the Arroyo Seco</i> Courtney Semlow Craftwater Engineering, Inc.	<i>Multibenefit Land Repurposing for Sustainable Groundwater Management</i> Max Dugan Geosyntec Consultants	

SESSION 12		TRACK: Industrial General Permit	TRACK: Policy, Permitting, and Legislation	TRACK: Pollutants of Concern and True Source Control	TRACK: Green Infrastructure and Nature-Based Solutions Design and Maintenance	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Funding
ROOM		BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR		Matthew Lentz GSI Environmental Inc.	Michelle Mattson NV5	Chris Sommers EOA, Inc.	Michelle Hoalton PACE Advanced Water Engineering	Andrea Crumacker Stantec	Kelly Westover Stantec
9:35a - 10:00a		<i>Implementation and Monitoring of a Stormwater Treatment System for Carille Transportation</i> John Mandelin Clear Creek Systems, Inc.	<i>Standardized Cost Reporting in Municipal Stormwater Permits, A Policy Update</i> Nabiul Afrooz State Water Resources Control Board	<i>Transforming the Terrain: A Comprehensive Strategy for Tackling PCB Contamination in Urban Watersheds</i> Michele Mancuso Contra Costa County Watershed Program	<i>The Bowtie Demonstration Project</i> Jonathan Abelson Stantec	<i>Waterfront Resilience: Vision to Implementation in San Mateo County</i> Robert Dusenbury Lotus Water Engineering	<i>Searching for the Money Tree – Funding the Santa Rosa Storm Drain Master Plan and Planning for Future Financing</i> Millicent Cowley-Crawford Woodard & Curran
10:05a - 10:30a		<i>The Zinc Conundrum: An In-Depth Look at the Characteristics of Zinc in Stormwater for Treatability</i> Nate Hasal GSI Environmental Inc.	<i>The Proposed Commercial, Industrial, and Institutional (CII) Stormwater Permit: Potential Impacts and Solutions From Real- World Case Studies</i> Chris Hsu GSI Environmental Inc.	<i>Addressing Trash Generation on Private Parcels</i> Kristin Kerr EOA, Inc.			<i>Stormwater Credit Think Tank – First Year Accomplishments and Products</i> Chris Crompton Michael Baker International



# WED OCT 23 CONTINUED

10:30a - 11:15a	<b>BREAK, PRIZE DRAWING</b>	LOCATION: EXHIBIT HALL A, LEVEL 1 WEST Exhibitor Prize Drawing* Winners will be announced by the Platinum Stormwater Steward (Bancroft Construction Services). (*Must be present to win)
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SESSION <b>13</b>		TRACK: Industrial General Permit	TRACK: Policy, Permitting, and Legislation	TRACK: Pollutants of Concern and True Source Control	TRACK: Green Infrastructure and Nature-Based Solutions Design and Maintenance	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Funding
ROOM		BALLROOM A3-A4, LEVEL 2 WEST	BALLROOM A5-A6, LEVEL 2 WEST	BALLROOM A7, LEVEL 2 WEST	BALLROOM A8-A9, LEVEL 2 WEST	BALLROOM A10-A11, LEVEL 2 WEST	MEETING ROOM 1, LEVEL 2 WEST
MODERATOR		Mehran Ebrahimi GSI Environmental Inc.	Michelle Mattson NV5	Chris Sommers EOA, Inc.	Paul Caswell Hazen and Sawyer	Summer Bundy Stantec	Hawkeye Sheene West Yost Associates
11:15a - 11:40a		<b>PANEL</b> <i>IGP Regulatory Enforcement Priorities</i> Panelists: Pavlova Vitale Los Angeles Regional Water Quality Control Board Margaret Monahan San Francisco Regional Water Quality Control Board Leah Lemoine Central Coast Regional Water Quality Control Board Tomas Eggers State Water Resources Control Board	<i>Water Quality Compliance during Wet Weather: Lessons and Recommendations</i> Susan Paulsen Exponent	<i>True Source Control Basics: California Challenges and Successes</i> Peter Schultze-Allen EOA, Inc.	<i>National Green Infrastructure Approaches – A Community Perspective</i> Nicholas Watkins CDM Smith	<i>Green Stormwater Infrastructure: A “Cool” Solution for Urban Heat</i> Jason Wright Tetra Tech	<i>Lessons Learned From the City of Rancho Cordova’s Prop 218 Rate Increase Project</i> Dalia Fadl City of Rancho Cordova
11:45a - 12:10p			<i>California Water Plan Update 2023 and the Urban Stormwater Runoff Resource Management Strategy</i> Jose Alarcon California Department of Water Resources	<i>Collaborative Efforts to Address Emergency Firefighting Discharges: A Case Study from the Bay Area Municipal Stormwater Collaborative</i> Nicole Wilson Larry Walker Associates	<i>Perspectives From the Gulf States on Overcoming Technical, Regulatory, and Financial Barriers to Implementing Green Stormwater Infrastructure (GSI) in California</i> Cristiane Surbeck GSI Environmental Inc.	<i>Ensuring Critical Water Availability Across Diverse Watersheds – Comparing Hydrological Modeling Configurations and Calibration Between the Navarro River, Napa River, and Butte Creek Watersheds</i> Benjamin Bowes Paradigm Environmental	<i>A Portal Into the Progress and Benefits of Los Angeles County’s Safe, Clean Water Program</i> Kirk Allen Los Angeles County Public Works

12:10p - 1:30p	<b>LUNCH</b>	LOCATION: BALLROOM A1, LEVEL 2 WEST
1:30p - 2:30p	<b>CAPSTONE SESSION</b>  <b>A DISCUSSION DEDICATED TO ADVANCING THE STATE’S WATER SUPPLY STRATEGY FEATURING CALIFORNIA STORMWATER AND WATER MANAGEMENT LEADERS</b>  (Capstone Session Sponsor: DUDEK)	<b>LOCATION: BALLROOM A1, LEVEL 2 WEST</b>  <b>SPEAKERS</b> Anna Caballero - <i>Senator - 14th District, California State Senate</i> Joaquin Esquivel - <i>Chair, California State Water Resources Control Board</i> Karla Nemeth - <i>Director, California Department of Water Resources; Governor Newsom’s Advisor on the State’s water priorities</i> Karen Cowan - <i>Executive Director, CASQA</i>

## Poster Presentations

Posters will be displayed throughout the conference in the Exhibit Hall.

The poster authors will be on hand to answer questions during breaks when available.

 2024 CASQA Awardee - Outstanding  
Public Outreach / Engagement Project or  
Program: Bear Hollow Basin Beautification  
and Outreach Program

*Margarita Dronov and Veronica Seward-Aponte,  
City of Rancho Cordova*

Accumulation of Contaminants in Filter Media of  
Rain Gardens in Urban Watersheds

*Jennifer Dougherty,  
San Francisco Estuary Institute*

An Evaluation Tool for Estimating Permeable Paver  
Benefits Under Various Conditions

*Joaquin Fraga Hernandez,  
California State University, Sacramento*

Light-Weight, Low-Cost Innovative Automated  
Sampler for Remote Water Quality Monitoring

*Kayli Paterson, San Francisco Estuary Institute*

Roots of Resilience: Engaging Communities  
in Green Infrastructure – Maplevue Street  
Biofiltration and Channel Restoration Project

*Bella Colpo, County of San Diego*

Stormwater Run-Off Coefficient Analysis  
*Kayla Gacosta, GSI Environmental Inc.*

Synergy and Collaborative Solutions Yields  
Results – Active Treatment Systems &  
Expansive Projects

*Jason Hills, Aqua Poppy Inc.*

# 2024 CASQA Awardees

The CASQA Awards Program recognizes individuals, projects, and programs that are exemplary examples of advancing our [Vision for Sustainable Stormwater Management](#). Acknowledging and rewarding outstanding work in the stormwater field elevates those individuals and projects that are making a difference. Recognition of excellence establishes examples for other organizations to aspire to and follow. It creates a bar that can continuously be raised, thereby advancing the stormwater profession. Photos and illustrations below are courtesy of the respective awardees.



## Outstanding Public Outreach / Engagement Project or Program

### Bear Hollow Basin Beautification and Outreach Program, Ours to Protect

*City of Rancho Cordova*

The City of Rancho Cordova Bear Hollow Basin Beautification and Outreach Program is an innovative public outreach campaign that inspires individuals and communities to protect their local waterways. The program has replaced chain-link fencing around a stormwater quality and flood control detention basin with post-and-cable fencing and planted 200 oak trees. It has also created a “sense of place” with new educational signs and invited community participation by offering guided walking tours that highlight pollution prevention, infrastructure, and ecology.

A raindrop QR code is featured on the signs to bring attention to more information about pollution prevention on the city’s stormwater web page. This feature enables seasonal content to remain up-to-date by incorporating new tips as they are developed.

The outstanding feature of the new signs at Bear Hollow is the connection between stormwater quality and wildlife, an issue that resonates with communities.



## Outstanding Stormwater BMP Implementation Project or Program: Phase I

### Mesmer Low-Flow Diversion

*City of Culver City*

The Mesmer Low-Flow Diversion project is one of the largest regional dry-weather capture projects. It diverts dry-weather runoff from Centinela Creek and redirects it to the Hyperion Water Reclamation Plant for reuse as recycled water and reduces bacteria in Ballona Creek. When rainfall equal to or greater than 0.1 inches is measured onsite, the diversion pump shuts down to prevent the diversion of wet-weather flows. Higher flow rates in the channel bypass the system and continue to Santa Monica Bay, as they did under pre-project conditions.



*Centinela Creek Channel prior to construction improvements.*



*Trenchless installation methods avoided significant reconstruction and saved time and resources.*



## Congratulations to This Year's Awardees!



Look for the small blue ribbon icon in the Poster Presentation section of this program for a presentation by a CASQA 2024 Awardee.



### Outstanding Stormwater BMP Implementation Project or Program: Phase I

#### Mapleview Street Biofiltration and Channel Restoration Project

*County of San Diego*

The Mapleview Street Biofiltration and Channel Restoration Project is a multi-benefit project. It was designed to enhance the treatment of nearly six upstream acres of stormwater runoff using green infrastructure, including biofiltration basins, dispersion areas, and improvements to the flood control channel. This aids in meeting compliance with the Bacteria TMDL in the San Diego River watershed and adds an extra measure of safety to residents and property. The project also added ADA-compliant curb ramps to close pedestrian gaps and enhance safety and mobility.

Using native plants, dispersion channels, and biofiltration basins, pollutants from water runoff are naturally filtered before reaching local waterways.

The project also provided an opportunity to develop 2,500 linear feet of ADA-compliant sidewalks, pedestrian ramps, and driveway improvements.



### Outstanding Stormwater BMP Implementation Project or Program: Phase I

#### Waterscape Rebate Program of San Diego County

*County of San Diego*

The Waterscape Rebate Program (WRP or Program) is a stormwater compliance strategy for the County of San Diego. It offers incentives to private property owners in unincorporated San Diego County to install water quality improvements such as turf removal, rain gardens, rain barrel projects, and installation of pervious pavement. These incentives support water quality objectives while simultaneously providing additional benefits such as saving water, greening neighborhoods, and creating sustainable landscapes with native plants.

Accomplishments of the program are focused on reduced bacteria delivery via runoff, water savings, native plant propagation, and public engagement in watershed protection.



The distribution of rebate projects between the five County of San Diego (CoSD) Supervisor Districts.





## Outstanding Stormwater Capture and Use Implementation Project or Program

### King Street Urban Greening Project

*City of Santa Ana*

The King Street Urban Greening Project assisted in addressing the City's MS4 Permit requirements by diverting dry- and wet-weather urban runoff from a drainage area that is approximately 10 acres, between King Street and Fairview Street. The project included stormwater bioretention and infiltration systems, removing the existing impermeable surfaces (asphalt, concrete, etc.), and installing pervious pavement. Additionally, drought-tolerant landscaping, shade trees, a bicycle path, energy-conserving lighting, interpretive signage, seating, ADA improvements, waste receptacles, and public art were added. An outstanding aspect of this project is the innovative approach to utilizing underutilized space and securing grant funding for the project's construction.



*Aerial photo of subsurface infiltration system construction at King Street.*



*King Street Project's pervious pavement bike path during construction.*



## Outstanding Stormwater Capture and Use Implementation Project or Program

### Regional Park Infiltration Project

*City of San Fernando*

The Regional Park Infiltration Project's primary goal was to improve water quality while providing multiple benefits. The Project addresses discharges from within the City into Pacoima Wash by capturing wet- and dry-weather runoff from over 940 acres within the City of San Fernando and the City of Los Angeles. The Project diverts runoff from multiple storm drains and conveys diverted runoff to a subsurface infiltration system, which improves water quality and replenishes groundwater supplies. In addition, the project provided landscapes around the subsurface storage system. It provided restoration of the baseball field, existing irrigation system, streets and sidewalks, and replacement and restoration of light poles and electrical conduits. Outstanding Features of the project include the capture of offsite flows and the handling of construction challenges.



*Subsurface Storage System's Modules.*



*Backfill of the Subsurface Storage System.*



## Stormwater Scholar

### Jake Emery

The goal of the CASQA Stormwater Scholar Award is to encourage the next generation of leaders in the stormwater management field. Selected Stormwater Scholars attend the CASQA Annual Conference to engage with and learn from the top leaders and experts in the stormwater field, as well as receive mentoring and networking opportunities by meeting with the CASQA Board of Directors, staff, and members.





## Geoff Brosseau Leadership Award

CASQA is deeply honored to present the Geoff Brosseau Leadership Award, our highest and most prestigious recognition, to Brian Currier. This award celebrates individuals who demonstrate exceptional leadership to CASQA, advance significant and impactful contributions to the stormwater profession, and exemplify exceptional character and integrity.

### **Brian Currier**

*Office of Water Programs at California State University,  
Sacramento*



For more than 25 years, Brian Currier, a senior research engineer with the Office of Water Programs at California State University, Sacramento, has been an influential leader in stormwater management and research. His engagement with CASQA and the broader stormwater profession has advanced sustainable stormwater management and profoundly impacted the careers and development of countless professionals.

Through his generosity of time and insightful contributions, Brian has touched nearly every facet of CASQA's work. As a three-term Board member (2015-2020), Brian helped to guide CASQA through pivotal moments of growth and evolution. His deep involvement spans most, if not all, of our subcommittees, including those focused on True Source Control, Policy and Permitting, Phase II, Monitoring and Science, BMP Handbooks, Training, Engagement and Education, Funding, Stormwater Capture and Use, and Conference planning. He continues to serve on several Board level Committees, including the Executive Program Committee and the Events and Communications Committee.

For more than a decade, the development, management, and implementation of CASQA's statewide training programs for the Construction General Permit (CGP) and Industrial General Permit (IGP) have thrived under Brian's guidance. His dedication as a key member of both the CGP and IGP Training Teams, from their inception to the present, reflects his commitment to educating stormwater professionals across the state.

Brian is not just an expert—he's a mentor, a teacher, and an inspiration to future leaders. At Sacramento State, Brian co-created a stormwater management class for the Civil Engineering Department and is a regular guest lecturer in civil engineering and environmental studies classes. At the graduate level, he mentors students for a variety of stormwater focused projects. For CASQA, he was part of a team of former Directors who envisioned and brought forward several student-focused programs, which now includes the Stormwater Scholar Program and a student membership.

Beyond CASQA, Brian's contributions to the stormwater profession are many. Brian was a key visionary for creating the California Phase II LID sizing tool, simplifying the design process and effort needed for plan review. He has been a key contributor to the State Water Board's STORMS program, including service on the advisory committee, leading the development of several key reports (Enhancing Stormwater Capture and Use and Quantitative Methods that Support Reasonable Assurance Analysis), and providing ongoing counsel and guidance for various STORMS projects.

Most importantly, Brian exemplifies CASQA's Core Values. He embodies the principle that how we work is as important as what we achieve. His unwavering integrity, collaborative spirit, and leadership by example have inspired all who have had the privilege of working with him. His work is more than technical contributions—it is a testament to the power of character-driven leadership.



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## Outstanding Service Awardees

Each year CASQA recognizes and expresses its appreciation to CASQA members who have gone above and beyond in providing outstanding volunteer service to the organization.

Congratulations to these Outstanding Service Awardees!

### **Construction General Permit Training Team: Development of QSP Delegate Training Guidelines & PowerPoint Modules**

Shawnetta Grandberry, *City of Carlsbad*  
Lucy Cortez-Johnson, *Southern California Edison*  
Jennifer Peterson, *NV5*  
Kadi Whiteside, *Southern California Edison*  
Ken Kristoffersen, *CAL-Storm Compliance, Inc.*  
Kyla Wood, *Applied Polymer Systems, Inc.*  
Matt Hromatka, *Sierra Overhead Analytics*  
Stacy Sinclair, *Flat Iron Construction*  
Sandy Mathews, *Larry Walker Associates*  
Russel Foster, *JFShea*

### **Construction General Permit Training Team: Initiating 2022 Construction General Permit QSD/QSP Curriculum Update (Project to be complete in 2025)**

Sandy Mathews, *Larry Walker Associates*

### **Construction General Permit Training Team: Development of Criteria for Recommending Additional QSD and QSP Prerequisite Courses (State Water Resources Control Board publication)**

Brian Currier, *Office of Water Programs at  
Sacramento State*  
Russel Foster, *JFShea*

### **Economic Value of Urban Stormwater Capture Project**

Jim Rasmus, *Stantec*

### **Milestone Leadership for the Annual Conference (20th Annual Conference)**

Karen Ashby, *Larry Walker Associates* (Exhibitors)  
Chris Crompton, *Michael Baker International*  
(Advance Conference Planning)  
Sharon Gosselin, *Alameda County* (Co-Chair,  
Program, Various)

### **Subcommittee Leadership**

Matt Yeager, *Riverside County Flood Control &  
Water Conservation District*

### **Board Leadership**

Dalia Fadl, *City of Rancho Cordova* (6 years)  
Ashli Desai, *Larry Walker Associates* (Strategic  
Plan, Financial Strategy)



## Outstanding Partnership Awardees

We achieve more by working together. This award celebrates those partners and collaborators whose contributions have had a significant impact on advancing our shared common goals.

Congratulations to these Outstanding Partners!

### **Construction General Permit Training Team**

Rich Muhl, *Central Valley Regional Water Board*

### **Lifetime Collaboration and Engagement**

Tom Mumley, *San Francisco Bay Regional Water Board*



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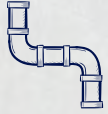
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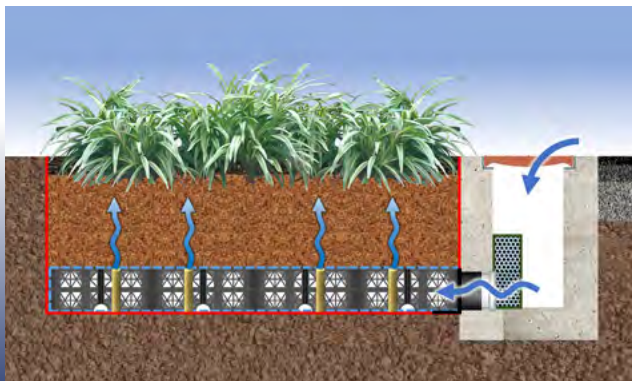


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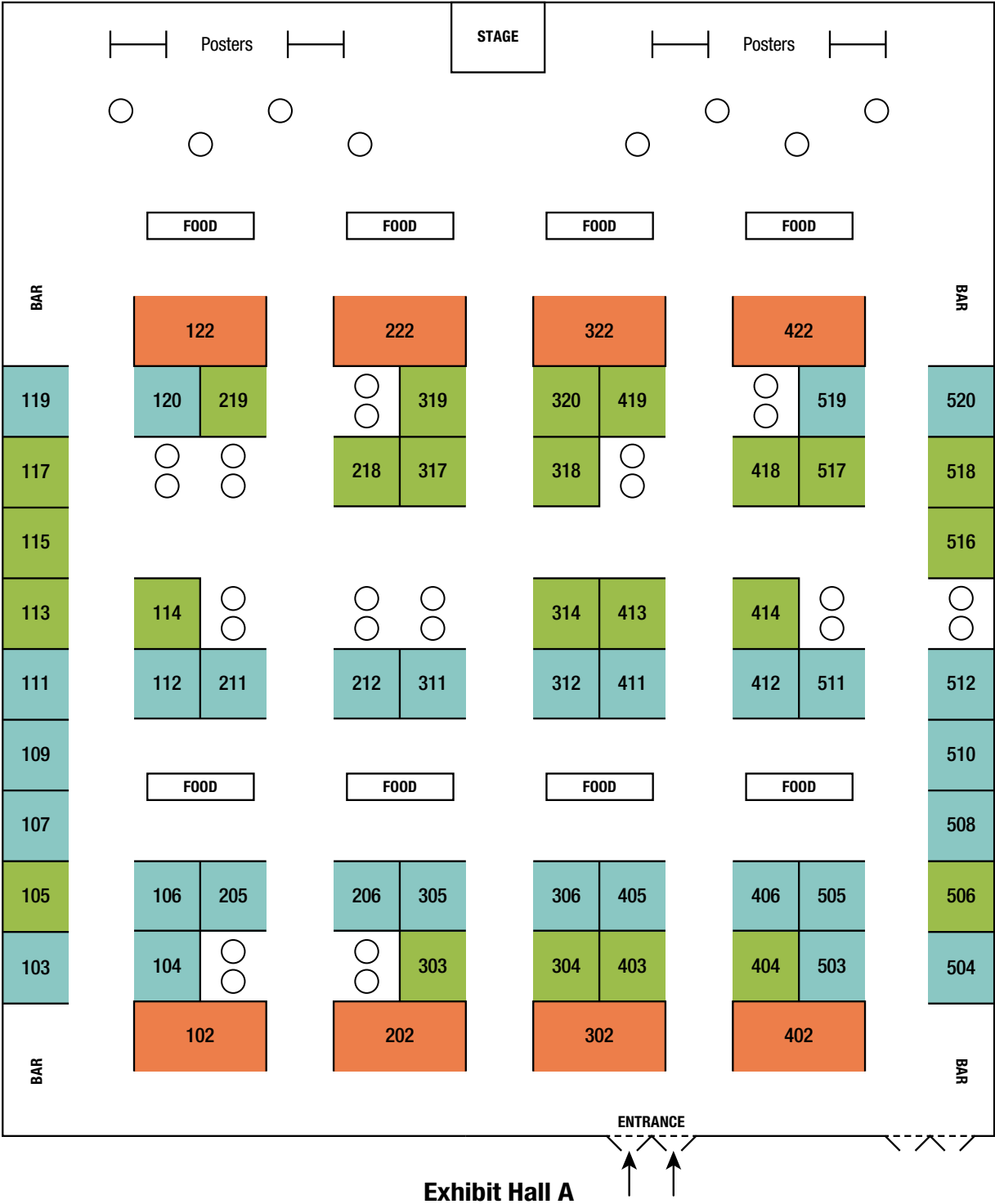
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Monitoring and Special Studies	Municipal Programs	Policy, Permitting, and Legislation	Pollutants of Concern and True Source Control	Stormwater Capture and One Water Collaborations
				

# Exhibit Hall Map

Exhibit Hall Location: Exhibit Hall A, Level 1 West



Super Premium (8) Premium (30) Regular (24) High Top Table



## Exhibit Hall Hours

### Monday, October 21

Exhibit Hall Open . . . . . 11:55 am – 6:00 pm  
Break & Exhibitor Focus . . . . . 3:30 pm – 4:00 pm  
Exhibitor Focus . . . . . 4:55 pm – 6:00 pm

### Tuesday, October 22

Exhibit Hall Open . . . . . 8:00 am – 7:00 pm  
Break & Exhibitor Focus . . . . . 10:30 am – 11:00 am  
Break & Exhibitor Focus . . . . . 3:30 pm – 4:00 pm  
Exhibitor Reception . . . . . 5:00 pm – 7:00 pm

### Wednesday, October 23

Exhibit Hall Open . . . . . 8:00 am – 11:15 am  
Break, Exhibitor Focus & Prize Drawing . . 10:30 am – 11:15 am

## Exhibitor Prize Drawing

Submit completed card by:  
**Wednesday, 9:00 am**

To be entered into the Exhibitor Prize Drawing visit at least 10 booths and obtain a representative signature on the prize drawing card provided in your attendee packet. Complete the card and drop it off at the CASQA Registration Desk.


Drawing will be held:  
**Wednesday, 10:30 am**


The drawing will be held during the Wednesday morning break in the Exhibit Hall. You must be present to win.




Scenes from the 2023 Annual Conference in San Diego (Photo Credit: [Melissa Jacobs](#))

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### 202 Downstream Services, Inc.

Loren Wynne  
info@downstreamservices.com  
www.downstreamservices.com

### 222 Pre-Con Products

Dan Zarraonandia  
danz@pre-conproducts.com  
www.preconproducts.com

### 302 CloudCompli

Aimee Grove  
aimee@cloudcompli.com  
www.cloudcompli.com

### 322 Oldcastle Infrastructure - Atlanta, GA

Ashley Cavalcante  
ashley.cavalcante@oldcastle.com  
www.oldcastleinfrastructure.com

### 402 Jensen Precast

Chris Purdie  
cpurdie@jensenprecast.com  
www.jensenprecast.com

### 422 California Filtration Specialists, LLC

Mitchel Whitson  
mitch@cafiltrationspecialists.com  
www.californiafiltrationspecialists.com

### 103 Enviropod, Inc.

Michael Hannah  
mike@enviropod.com  
www.enviropod.com

### 104 NPDESPro

Aimée Jacobson  
aimee@npdespro.com  
www.npdespro.com

### 106 Soil Retention

Nick Jansson  
njansson@soilretention.com  
www.soilretention.com

### 107 GEO4 Services Inc.

Simona Tzagournis  
simona@geo4services.com  
www.geo4services.com

### 109 2NDNATURE Software Inc.

Kyle Bergerson  
kyle.bergerson@2NDNATUREwater.com  
www.2NDNATUREwater.com

### 111 Hydroworks

Graham Bryant  
gbryant@hydroworks.com  
www.hydroworks.com

### 112 Apex Companies, LLC

Rylan Farr  
info@apexcos.com  
www.apexcos.com

### 119 Trihydro Corporation

Justin Quiggle  
jquiggle@trihydro.com  
www.trihydro.com

### 120 SSEC / Selby's Soil Erosion Control

Brandon Coppedge  
Brandon@selbysoil.com  
www.selbysoil.com

### 205 WaterTectonics

TJ Mothersbaugh  
tj.mothersbaugh@watertectonics.com  
www.watertectonics.com

### 206 Stormwater Biochar, LLC

Ryan Holman  
ryan@stormwaterbiochar.com  
www.StormwaterBIOCHAR.com

### 211 FODS

Ryan Webster  
rwebster@getfods.com  
www.getfods.com

### 212 AquaShield, Inc.

John Santos  
santosj2015@gmail.com  
www.aquashieldinc.com

### 305 PACE Advanced Water Engineering

Michelle Hoalton  
mhoalton@pacewater.com  
www.pacewater.com

### 306 Layfield Geosynthetics

Jan Nichols  
jan.nichols@layfieldgroup.com  
www.layfieldgroup.com/geosynthetics

### 311 StormTrap

Charlie Carter  
ccarter@stormtrap.com  
www.stormtrap.com

### 312 Ferguson Waterworks

Pat Murphy  
patrick.murphy@ferguson.com  
www.fergusongss.com

### 405 DeepRoot Green Infrastructure

Shawn Freedberg  
shawn@deeproot.com  
www.deeproot.com

### 406 Gullywasher Stormwater Filters

Jeff Pettey  
jeff@gullywasher.com  
www.gullywasher.com

### 411 Clear Creek Systems, Inc.

Jayson Samuli  
jsamuli@clearcreeksystems.com  
www.clearcreeksystems.com

### 412 ABT, Inc. Permavoid

Brad Short  
bshort@abtdrains.com  
www.abtdrains.com

### 503 Sacramento Stormwater Quality Partnership

Jeanette Huddleston  
www.beriverfriendly.net



# Exhibitors CONTINUED

## BOOTH #

<b>504</b>	<b>Porous Technologies, LLC</b>  Gregg Novick gnovick@stormcrete.com www.stormcrete.com	<b>115</b>	<b>StormTek</b>  Eric Purkey ericp@stormtekclean.com www.swimsclean.com/stormtek	<b>403</b>	<b>Stormwater Pros, LLC</b>  Bill Harrel bharrel@stormwaterproslc.com www.stormwaterproslc.com
<b>505</b>	<b>LSC Environmental Products</b>  Michael Reed mreed@lscenv.com www.LSCenv.com	<b>117</b>	<b>Atlan Stormwater</b>  Matthew Scarlett Matthew.Scarlett@atlan.co.nz www.atlan.com.au	<b>404</b>	<b>Profile Products LLC</b>  Danny Reynaga dreynaga@profileproducts.com www.profileproducts.com
<b>508</b>	<b>ACO, Inc.</b>  Eduardo Menjivar Eduardo.Menjivar@ACO.com www.acousa.com	<b>218</b>	<b>Lane Enterprises LLC</b>  Ranee Buck rbuck@lane-enterprises.com www.lane-enterprises.com	<b>413</b>	<b>Active Treatment Systems, Inc.</b>  Spencer Davis sdavis@ats-env.com www.ats-env.com
<b>510</b>	<b>Applied Polymer Systems, Inc.</b>  Kyla Jayne Wood kyla@apsfloc.com www.apsfloc.com	<b>219</b>	<b>AbTech Industries</b>  Anthony Reed areed@abtechindustries.com www.abtechindustries.com	<b>414</b>	<b>Pervious Products, Inc.</b>  Ryan Marlinghaus ryan@perktop.com www.perviousproducts.com
<b>511</b>	<b>Titan Environmental</b>  Miranda Koshman miranda.koshman@titanenviro.com www.titan-enviro.com	<b>303</b>	<b>Kai Pono Solutions</b>  Navy McKee navy@kaiponosolutions.com www.kaiponosolutions.com	<b>418</b>	<b>Aqua Poppy</b>  Ian Prindle lprindle@aquapoppy.com www.linkedin.com/company/aqua-poppy
<b>512</b>	<b>OCEAN BLUE ENVIRONMENTAL SERVICES, INC.</b>  Justin Lee JLEE@OCEAN-BLUE.COM www.OCEAN-BLUE.COM	<b>304</b>	<b>NV5</b>  Dave Renfrew David.Renfrew@nv5.com www.nv5.com	<b>419</b>	<b>H2O Molecular</b>  Raul Gonzalez raul@h2omolecular.com www.h2omolecular.com
<b>519</b>	<b>Emerald Site Services, Inc.</b>  Souna Mallah souna@emeraldss.com www.emeraldss.com	<b>314</b>	<b>TRUEGRID Paver</b>  Tim Brinkley tbrinkley@truegridpaver.com www.truegridpaver.com	<b>506</b>	<b>Faircloth Skimmer</b>  Joseph Cooley cooley@fairclothskimmer.com www.fairclothskimmer.com
<b>520</b>	<b>EnviroCert International, Inc.</b>  Melissa McKinney mmckinney@envirocert.org www.envirocert.org	<b>317</b>	<b>ERTEC ENVIRONMENTAL SYSTEMS</b>  Joe Sherratt jsherratt@ertecsystems.com www.ertecsystems.com	<b>516</b>	<b>Clear Water Services</b>  Nick Martinez nick.martinez@clearwaterservices.com www.clearwaterservices.com
<b>105</b>	<b>Triverus</b>  Hans Vogel hvogel@triverus.com www.Triverus.com	<b>318</b>	<b>Ecopliant Environmental, Inc.</b>  Shauna Nevin marketing@ecopliant.org www.ecopliant.org	<b>517</b>	<b>Arctos Erosion Control, Inc</b>  Gordon Peters gpeters@arctoserosion.com www.instagram.com/arctos_erosion
<b>113</b>	<b>Storm Water Inspection &amp; Maintenance Services (SWIMS)</b>  Ethan Purkey ethan@swimsclean.com www.swimsclean.com	<b>319</b>	<b>Core &amp; Main Geosynthetics</b>  Jim Taylor jim.taylor@coreandmain.com www.CoreandMain.com/ Geosynthetics	<b>518</b>	<b>Greenstone Supply</b>  Rich Lewandowski rich@buybmeps.com www.greenstonesupply.com
<b>114</b>	<b>CleanWay USA</b>  Melissa Smith melissa.smith@cleanwayusa.com www.cleanwayusa.com	<b>320</b>	<b>United Storm Water, Inc.</b>  Lydia Perry lydia@unitedstormwater.com www.unitedstormwater.com		

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Membership is open to all organizations and individuals who are interested in advancing sustainable stormwater management. Join now to be a part of the collective voice and support CASQA's Vision for Sustainable Stormwater Management. In addition to supporting CASQA's program and goals, members also receive exclusive access to several subcommittees (Phase II, Non-traditional Phase II, Construction, Industrial, Policy and Permitting, Legislation), access to CASQA's Seminar Series, weekly educational resources via the Bi-weekly Member Update and Water Qualify NewsFlash, discounts to CASQA events, advertising rights on CASQA's Job Board, and much more.

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