

2019 Annual Report

CASQA

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**California Stormwater
Quality Association®**

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Report from the CASQA Chair

Daniel Apt
CASQA Chair, 2018-2019



Thank you for helping make this year another successful one for stormwater management and for the California Stormwater Quality Association (CASQA). Our year began in January with our “*Annual Federal and State Stormwater Regulatory Program Update*” meeting in San Diego. In May, we held our second general meeting in Sacramento with the theme “*Homelessness and the Role of Stormwater Management.*” In September, we held our webcast-only general meeting on the topic of “*Connecting Municipalities and Schools through Stormwater.*” Finally, we convened in Monterey in October for our largest and most successful CASQA conference ever!

We collaborated successfully at both the state and national level, working with State Water Board staff on several projects and other initiatives for the Strategy to Optimize Resource Management of Storm Water (STORMS), and supported the California Stormwater Authority in its first year of operation. I am very happy to report that CASQA is in a great position to accomplish our Vision and implement our Strategic Plan and priorities, our membership is growing, and I am proud of our significant accomplishments in 2019 as described in this annual report.

CASQA’s Vision and Implementation of 2019 Priorities

In 2018, CASQA established, with input from the CASQA membership, Executive Program Committee, Executive Director and Assistant Executive Director, and the Board of Directors, a list of annual priorities for 2019 to implement our *Vision for Sustainable Stormwater Management* (available on CASQA’s website at www.casqa.org/about/strategic-plan-vision).

I am pleased to report the following 2019 accomplishments that helped to implement these priorities:

- **Identification of Water Quality Priorities for Stormwater:** One of the key aspects of CASQA’s *Vision for Sustainable Stormwater Management* is the protection of water quality. Therefore, in 2019, CASQA developed a robust methodology to assess a broad range of water quality issues and clearly identify the highest water quality priorities for stormwater. This statewide assessment identified bacteria, trash, biointegrity/biostimulatory substances, and current use pesticides as stormwater’s highest water quality priorities. The results of this methodology will not only help to focus CASQA’s efforts from an organizational perspective, but will also provide a critical communication tool for CASQA and our membership as we build partnerships and resources to address water quality issues.
- **Statewide Bacteria Effort:** CASQA worked with our membership and met with State Water Board staff to initiate a statewide effort to address technical and regulatory issues related to recreational use objectives (REC-1) for bacteria. Currently, many municipalities are attempting to resolve the same or similar challenges on a permit-by-permit basis. The goal of this effort is to leverage resources at a statewide level to collectively identify solutions for those challenges, and ultimately, to achieve recreational beneficial uses in an effective and sustainable manner. The intention is that this statewide effort will include all stakeholders—State Water Board, Regional Boards, United States Environmental Protection Agency (EPA), stormwater permittees, wastewater permittees, non-governmental organizations (NGOs)—all working collaboratively through a unified process.

- **Biointegrity/Biostimulatory Objectives:** The State Water Board is actively developing new objectives to address biointegrity/biostimulatory substances. CASQA, in partnership with the California Association of Sanitation Agencies (CASA) and the County of San Diego, developed two work products (policy options and an assessment of wet weather conditions) to further support the development of these objectives.
- **Stormwater Funding:** Assisting local agencies with stormwater funding is one of the highest priorities for CASQA. In 2019, CASQA participated in the SB 231 Implementation Working Group to develop a strategy for the sustainable implementation of the legislation. CASQA also completed, with input from State Water Board staff, a California-specific stormwater funding online resource that assists member agencies and other California municipalities in navigating the complex landscape of funding stormwater programs and projects. The “Funding Resources” section on the CASQA website (www.casqa.org/resources/funding-resources) contains information, links, and references, to guide development of sustainable funding for stormwater programs and projects.
- **Small Municipal Separate Storm Sewer System (MS4) Permit Renewal:** The State Water Board has initiated the process to renew the Small MS4 Permit, commonly referred to as the Phase II Permit. CASQA worked extensively with staff from the State Water Board and several Regional Water Boards to discuss potential modifications to the existing permit and how to address new requirements or concepts, such as the Trash Amendments, compliance pathways for receiving water limitations, and asset management. As school districts (K-12) and community college districts will likely be included in the revised permit, CASQA is also preparing to support those new permittees, both within the overall CASQA organization, as well as through permit discussions with State Water Board staff.

Assisting local agencies with stormwater funding is one of the highest priorities for CASQA.

- **Zinc in Tires:** A 2015 CASQA report identified major and minor sources of zinc in runoff and determined that tire abrasion results in a significant loading of zinc in urban stormwater runoff. In 2018, with the support of the State Water Board, CASQA submitted a Product-Chemical Combination Petition (Tires-Zinc) to the Department of Toxic Substances Control (DTSC). CASQA continued to work with DTSC in 2019, developing and submitting additional information in support of the petition.
- **Urban Pesticide Reduction:** The State Water Board is developing Urban Pesticide Amendments (UPAs) to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan (ISWEBE Plan), and the Ocean Plan. The Amendments project is one of the initial priorities of the State Water Board’s STORMS strategic initiative (Project 6a - Establish Statewide Framework for Urban Pesticide Reduction). The Amendments are expected to help institutionalize the more effective, proactive regulation of pesticides by the Department of Pesticide Regulation (DPR). In 2019, an advisory committee, on which CASQA has been heavily involved, provided information and materials for development of the following amendment components (1) an inter-agency coordination framework, (2) a statewide monitoring framework, (3) compliance pathway options for MS4 permittees, and (4) integration options with the pending Toxicity Provisions of the ISWEBE Plan.

CASQA’s Strategic Plan and Organizational Goals

In 2019, the Board of Directors established CASQA’s *Strategic Plan and Organizational Goals* (available on CASQA’s website at www.casqa.org/about/strategic-plan-vision). While the *Vision for Sustainable Stormwater Management* is an external look at advancing the management of stormwater, the new *Strategic Plan and Organizational Goals* serves as internal guidance for CASQA and defines what we want to achieve as an organization.

As part of the *Strategic Plan and Organizational Goals*, CASQA has developed a Mission Statement and Vision Statement for the association as well as Core Values. The *Strategic Plan* defines our purpose and why we exist as an organization through our Mission Statement, establishes a roadmap for CASQA’s future as an organization through our Vision Statement, and establishes fundamental guide posts for how we operate as an organization and how we accomplish our mission and vision through our Core Values (see [Appendix B](#)).

The organizational goals were evaluated as part of the annual prioritization process and have been included in CASQA’s 2020 priorities. See “[The Year Ahead](#)” section of this annual report for CASQA’s 2020 Priorities.

National Coordination

CASQA works at many levels to support our membership. The following identifies key activities of CASQA at the national level in 2019:

- **National Green Infrastructure Certification Program (NGICP):** As a member of the Water Environment Federation (WEF) Governing Body/Certification Council, CASQA participated in the continued development of the National Green Infrastructure Certification Program and worked with WEF to expand the program in California.
- **National Municipal Stormwater Alliance (NMSA):** CASQA is a founding member of NMSA, a national organization working towards the advancement of stormwater management. NMSA provides an opportunity for CASQA to collaborate with similar organizations from other states and provides another venue to work directly with EPA on stormwater issues. In 2019 CASQA collaborated with NMSA through participation on NMSA Member Calls and attendance at NMSA's national in-person meeting at WEFTEC.
- **Washington, D.C. Trip:** Along with representatives from the counties of San Diego, Orange, and Riverside, CASQA executive leadership traveled to Washington, D.C. in June of 2019 and met with the offices of California's two Senators and seven members of the House of Representatives, EPA, and the National Association of Counties (NACO). The trip focused on education of legislators, examining the needs and challenges of stormwater.

In Washington, DC (left to right): Karen Cowan (CASQA), Richard Boon (Riverside County Flood Control and Water Conservation District), Amanda Carr (County of Orange), Geoff Brosseau (CASQA), Todd Snyder, James Inglis, Richard Crompton (County of San Diego)

Statewide Coordination

CASQA continues to work proactively and productively with the State Water Board and other regional and statewide organizations. In addition to the initiatives presented as part of CASQA's 2019 Priorities, the following initiatives highlight additional key efforts in 2019:

- **STORMS:** STORMS is a strategy-based initiative developed and managed by the State Water Board that is closely related to CASQA's Vision and its strategic actions. The mission of STORMS is "to lead the evolution of stormwater management in California by advancing the perspective that stormwater is a valuable resource, supporting policies for collaborative watershed-level stormwater management and pollution prevention, removing obstacles to funding, developing resources, and integrating regulatory and non-regulatory interests."



The STORMS program is advised by an Implementation Committee, of which CASQA's Executive Director and Chair of the Board of Directors are key members. Implementation Committee members act as liaisons between STORMS staff and other stormwater professionals, champion the need for key projects, and provide critical review, advice, and other resources during project implementation. Additionally, CASQA members participated on many of the STORMS projects advisory groups and committees. CASQA continued in 2019 to work with State Water Board STORMS staff and Department of Water Resources staff regarding promotion and better integration of stormwater as a resource in Integrated Regional Water Management Plans (IRWMPs), consistent with CASQA's Vision.

- **California Stormwater Authority:** CASQA supported the California Stormwater Authority, (Joint Powers Authority, or JPA, between the State Water Board Fresno Metropolitan Flood Control District and Alameda County Flood Control and Water Conservation District) in its first full year of operation. The JPA provides a vehicle for state and local agencies to work together on key projects and facilitate funding for the implementation of projects. CASQA continued to support the JPA in 2019 through participation in JPA Board of Directors meetings, providing financial support to fund the JPA Executive Director and administrative services, and collaboration and brainstorming of potential JPA projects.

- **Publicly-Owned Treatment Works (POTW) and MS4 Collaboration Workshop:** CASQA worked closely with State Water Board staff and the Southern California Alliance of POTWs (SCAP) in the development and hosting of a POTW and MS4 workshop focused on identifying opportunities for enhanced collaboration between stormwater and wastewater agencies in the diversion of urban runoff. The workshop was held at and facilitated by the Southern California Coastal Water Research Project (SCCWRP) in August 2019. Participants included MS4s, POTWs, and state and federal regulators from various resource agencies. The workshop focused on partnership opportunities for diversion of urban runoff to wastewater treatment facilities, but was intended as potentially the first of several future workshops to create dialogue about and collaboration on integrated water management in California. In preparation for the workshop, CASQA developed a position paper titled: *Publicly Owned Treatment Works (POTW)/Sanitary Sewer & Municipal Separate Storm Sewer System (MS4)/Stormwater Collaboration* (available on CASQA's website at www.casqa.org/resources/position-papers).

Stormwater protection programs are chronically underfunded, in part due to a lack of public support. The public must understand the challenges of stormwater management, the benefits of improving stormwater quality, and the costs to implement associated actions.

Regulatory Initiatives

Following are a few of the significant regulatory initiatives in which CASQA has participated with the State Water Board (unless otherwise noted). For a more complete list of regulatory initiatives in which CASQA participated in 2019, see [Appendix A](#).

- Biological Objectives (San Diego Regional Water Board)
- Biointegrity/Biostimulatory Objectives
- California's Water Resilience Portfolio (Governor's Water Portfolio Program)
- Ocean Plan Review
- Phase II Permit Revisions
- Permit Fees
- Pesticides Registrations/Re-evaluations (EPA, California Department of Pesticide Regulation)
- Selenium Water Quality Standards for California (EPA)
- STORMS Stormwater Strategy and Projects
- Stormwater Cost Estimation and Reporting Guidance
- Toxicity Provisions
- Waters of the U.S. Rule (EPA)

CASQA Work Products

This past year the Board approved a number of work products, guidance documents, and position papers:

- **Updates to the *Construction BMP Handbook* and the *Industrial & Commercial BMP Handbook*:** These interactive online references provide the information permittees need to stay in compliance with California stormwater regulations for the construction or industrial general permit, with detailed monitoring guidance and inspection forms, including the Stormwater Pollution Prevention Plan (SWPPP) Template. Both handbooks were updated in 2019. Available via a separate paid subscription.
- **Updated, Renamed, and Converted to Online Format for the *New Development & Redevelopment BMP Handbook*:** This updated handbook underwent a major overhaul over a 3-year period. New for 2020, this "Development" handbook has been converted to an interactive online format and is accessible via a paid subscription.
- **CASQA's *Strategic Plan and Organizational Goals*:** This strategic planning document establishes CASQA's mission statement, vision statement, core values, and organizational goals. It is a new document and will be updated as needed in the future. Publicly available on CASQA's website.
- **Interim Update to CASQA's *Vision for Sustainable Stormwater Management*:** This strategic planning document establishes CASQA's external *Vision for Sustainable Stormwater Management*. The Board of Directors approved an interim update in 2019 while also simultaneously initiating a more comprehensive update (anticipated to be approved in 2020). The interim update includes information and revisions that were necessary to support establishment of priorities for 2020. Publicly available on CASQA's website.

- **CASQA Position Paper: Discussion Points for Creating a New Stormwater Category on the American Society of Civil Engineers (ASCE) Infrastructure Report Card:** The purpose of this Position Paper is to support CASQA's *Vision for Sustainable Stormwater Management* and better define to the public what stormwater is, what its beneficial uses are, what impacts its beneficial uses are, what actions are needed to protect and improve stormwater quality. Stormwater protection programs are chronically underfunded, in part due to a lack of public support. The public must understand the challenges of stormwater management, the benefits of improving stormwater quality, and the costs to implement associated actions. Publicly available on CASQA's website.
- **Pesticides Subcommittee FY 2018-19 Annual Report (Pesticides Subcommittee):** This annual report provides CASQA members focused information on efforts to prevent pesticide pollution in urban waterways. Available only to CASQA members.
- **CASQA Position Paper: Publicly Owned Treatment Works (POTW)/Sanitary Sewer & Municipal Separate Storm Sewer System (MS4)/Stormwater Collaboration:** The purpose of this Position Paper is to support identification of opportunities for collaboration with the POTW/wastewater community and develop mechanisms to proactively address barriers to collaboration in support of CASQA's *Vision for Sustainable Stormwater Management*. Publicly available on CASQA's website.

- **Water Quality Priorities: Approach, Methodology, and Results:** These work products develop a methodology that (1) identifies the most critical water quality priorities for stormwater, and (2) identifies associated strategies for each priority. The methodology can be implemented (updated) in future years, as needed. Available only to CASQA members.
- **Proposed Statewide Biostimulatory Substances Objective and Program to Implement Biological Integrity Amendment to Water Quality Control Plans for Inland Surface Waters, Enclosed Bays and Estuaries of California: Policy Options Scoping Document:** This document provides scoping level policy options to support CASQA's discussions with the State Water Board as policy options are identified, and the associated science supporting the policy is refined, during the development of the statewide plan. Available only to CASQA members.
- **Proposed Statewide Biostimulatory Substances Objective and Program to Implement Biological Integrity Amendment to Water Quality Control Plans for Inland Surface Waters, Enclosed Bays and Estuaries of California: Considerations of Seasonality (Wet and Dry Weather Conditions):** This document evaluates the application of the statewide science to wet weather conditions. It will be used to support CASQA's discussions with the State Water Board as policy options are identified, and the associated science supporting the policy is refined, during the development of the statewide plan. Available only to CASQA members.

- **Addendum to the Petition Request to DTSC: Zinc from Tires – A Petition for Addition of Motor Vehicle Tires to the Priority Products List:** This addendum provides additional information, requested by DTSC, related to CASQA's initial petition (submitted in 2018). Publicly available through DTSC's website.
- **Brake Pad Copper Reduction Status Report:** The purpose of the report is to evaluate the reduction of copper concentrations in brake pads, resulting from the requirements of SB 346. Available only to CASQA members.

15th Annual Conference

The 2019 CASQA Annual Conference was held October 7-9 in Monterey. The CASQA Annual Conference was a significant success and provided a collaborative forum for information, data and technical exchange, as well as networking opportunities with the leaders of stormwater in California. We continued to break attendance records, attracting more than 1,200 participants over the 3-day conference.

The conference theme, "*Stormwater: Why We Do What We Do!*" provided an opportunity to reflect on what drives us in the stormwater quality field and how we can mentor the next generation of stormwater quality professionals to continue to protect and enhance our waterways for future generations. Fittingly, this year featured the first ever CASQA Conference Scholarship Program, a competitive process that identified outstanding individuals who completed an internship with a CASQA member in the prior year. Two awardees received a full conference pass, lodging, and mentoring from CASQA's Board of Directors, Executive Director, and Assistant Executive Director.

Report from the CASQA Chair (continued)

The annual conference provided an extensive program of training workshops, technical presentations, and posters that addressed a range of challenges and opportunities facing urban stormwater practitioners, including tracks focused on: construction and post-fire response; funding and financing; industrial permit, legislation, policy, permitting, and legal; monitoring, science, and data; municipal program implementation, outreach and education, stormwater infrastructure and natural waterways; sustainability; Total Maximum Daily Loads development and implementation; and trash. The conference also featured a field tour of a green street project and the Pure Water Monterey Ground Water Replenishment Project site. Additionally, CASQA continued to evolve the content and experience of the conference by featuring a new interactive “Priming the Pump” session and recording 14 episodes of the newly-launched CASQA Podcast.

Consistent with the theme, “*Stormwater: Why We Do What We Do!*”, the conference plenary session emphasized a call for reflection on the reasons we are passionate about the field of stormwater quality. The session began with a warm welcome from the Host Program Sponsor,

2019 annual conference networking event at the Monterey Bay Aquarium

Monterey Regional Stormwater & Education Alliance, and my opening remarks about stormwater as a valuable resource with ecological, social, and economic value, the need for better management of the state’s water resources through desilofication of water in California, and “*Thinking Outside the Drop*” to achieve sustainable integrated water resources management.

CASQA awardees were announced, including Jeffrey Endicott, who was presented with the CASQA Leadership Award. The plenary session also featured a presentation by the keynote speaker Dr. Kyle Van Houtan, Chief Scientist of the Monterey Bay Aquarium, inspiring attendees, and challenging us all to think of new ways to communicate. If you want to hear more from Dr. Van Houtan, visit www.casqa.org/news-library/podcast to listen to our podcast that continued the conversation.

Thank You

It’s been my pleasure to be your Chair for the past two years. I want to thank all our CASQA members, volunteers, Subcommittees, Executive Program Committee, Directors, and collaborators for your dedication, hard work, and commitment this past year toward better stormwater management and stewardship. As I hand over the reins to our new Chair of the CASQA Board of Directors in 2020, Amanda Carr, I look forward to another year of progress toward achieving our *Vision for Sustainable Stormwater Management!*

– **Daniel Apt**
CASQA Chair, 2018-2019



About Us: The CASQA Organization

“The bottom line is, for a successful career in stormwater management here in California, membership, and more importantly active participation, in CASQA is essential.”

– Jeff Endicott
2019 CASQA
Leadership Awardee

The California Stormwater Quality Association is dedicated to developing and implementing effective stormwater quality management programs.

CASQA membership is comprised of stormwater practitioners, National Pollutant Discharge Elimination System (NPDES) permit holders and parties engaged in the improvement of stormwater quality and employed by private corporations, municipalities, and the state and federal governments.

Organizational Structure

BOARD OF DIRECTORS

The CASQA Directors (11 elected volunteers) provide the vision and direction for CASQA, manage its activities and affairs, and exercise the Association’s corporate powers.

The Board of Directors is responsible for: (1) adopting an annual budget, (2) adopting the annual dues schedule, and (3) adopting policies and positions concerning regulations, legislation and litigation. Since 2002, the Board of Directors has guided CASQA to become a widely-recognized and well-respected nonprofit, educational, scientific, and professional association.

OFFICERS

Officers of the corporation are: Chair, Vice-Chair, Treasurer, and Secretary. Officers are elected by the Board of Directors and serve two-year terms.

EXECUTIVE DIRECTOR AND ASSISTANT EXECUTIVE DIRECTOR

The CASQA Executive Director and Assistant Executive Director manage the day-to-day activities of CASQA, serve as the primary liaison with members, government agencies, and other organizations, and help to set and achieve the vision for the future and growth of CASQA.

COMMITTEES OF THE BOARD OF DIRECTORS

The Board of Directors creates committees that accomplish the goals of CASQA, each consisting of two or more directors, and other persons that the directors may appoint. Standing board committees are: Audit, Awards, Bylaws, EPC, Finance, Events, Membership, and Vision.

Audit oversees the annual audit of CASQA’s finances and policies and procedures, and preparation of tax returns.

Awards identifies and recognizes exemplary leadership, outstanding projects, activities, and contributions to the field of stormwater quality management.

Bylaws annually reviews the bylaws and makes recommendations for revisions as necessary to ensure smooth and efficient operation of CASQA.

Events ensures a coordinated approach is used to plan, design, and conduct all CASQA events, including the annual conferences, quarterly General Membership meetings/webcasts, and trainings. Plans the quarterly meetings/webcasts.

Executive Program comprises no more than 27 members and directs the technical work of the association through subcommittees.

Finance manages CASQA’s fiscal resources, including proposing the annual operating budget and overseeing all financial transactions.

Membership retains existing members, outreaches to potential new members, and improves membership value.

Vision maintains the CASQA Vision, oversees development and achievement of annual objectives that support the Vision, and manages the relationship of the Vision to other organizations’ strategies for stormwater (e.g., Water Boards’ STORMS).

About Us: The CASQA Organization (continued)

Other Leadership

SUBCOMMITTEES OF THE EXECUTIVE PROGRAM COMMITTEE (EPC)

Fifteen subcommittees focus on different areas of stormwater management under the auspices of the EPC, chaired by the Vice-Chair of CASQA. Composed of an all-volunteer membership, the subcommittees develop products, direct CASQA consultants, and provide an information-sharing forum to improve surface water resources in California.

The basic charter of each subcommittee is outlined in the summary that follows.

Best Management Practices (BMPs) provides contemporary information on BMPs and Low Impact Development (LID) based on scientific advances and practical tools through the CASQA web portals.

Conference serves to increase awareness and knowledge of stormwater quality management issues through developing the CASQA Annual Conference and associated workshops.

Construction identifies emerging issues, and tracks trends and regulatory requirements for construction stormwater permittees and assists members with identifying possible solutions to evolving regulatory requirements.

Effectiveness Assessment provides input and guidance on stormwater program effectiveness assessments, including a standardized conceptual approach to evaluating municipal program elements.

Industrial ensures the issues and concerns of industrial stormwater permittees are represented in policies and regulations, including permitting and numeric effluent limits.

Legislation tracks stormwater related legislation in the United States Congress and in both the California Senate and Assembly, prepares quarterly legislative summaries for CASQA members, and prepares fact sheets on key legislation that can be used by members to educate their organizations about potential impact of proposed legislation.

Monitoring and Science improves scientific and technical basis of stormwater management programs by developing research and monitoring priorities, as well as seeking collaborators, partners, and grant funding for needed research.

Non-Traditional Phase II Seeks to educate and engage non-traditional MS4 programs in stormwater management issues; provides a forum for information exchange.

Pesticides addresses pesticide uses that impact stormwater discharges, provides input to EPA and DPR to improve regulations, compiles relevant information, assists members with compliance strategies, and coordinates its activities with other agencies statewide.

Phase II seeks to educate and engage Phase II programs in stormwater management issues and provides a forum for information exchange and collaboration.

Policy and Permitting develops comments and testimony on state, EPA, and precedent-setting regional policies and permitting initiatives consistent with CASQA's *Vision for Sustainable Stormwater Management*.

Public Information and Public Participation provides a forum for stormwater public outreach professionals to share ideas and assists in coordinating outreach efforts in California.

Training oversees the development and implementation of long-term sustainable training programs to meet the needs of California stormwater practitioners.

Watershed Management and Impaired Waters promotes the development and application of appropriate water quality standards through tracking and commenting on 303(d) listings and policy and implementation of Total Maximum Daily Loads (TMDLs), facilitates source control, and provides guidance on hydromodification management.

Website maintains the CASQA website as a stormwater management resource for members and the general public.

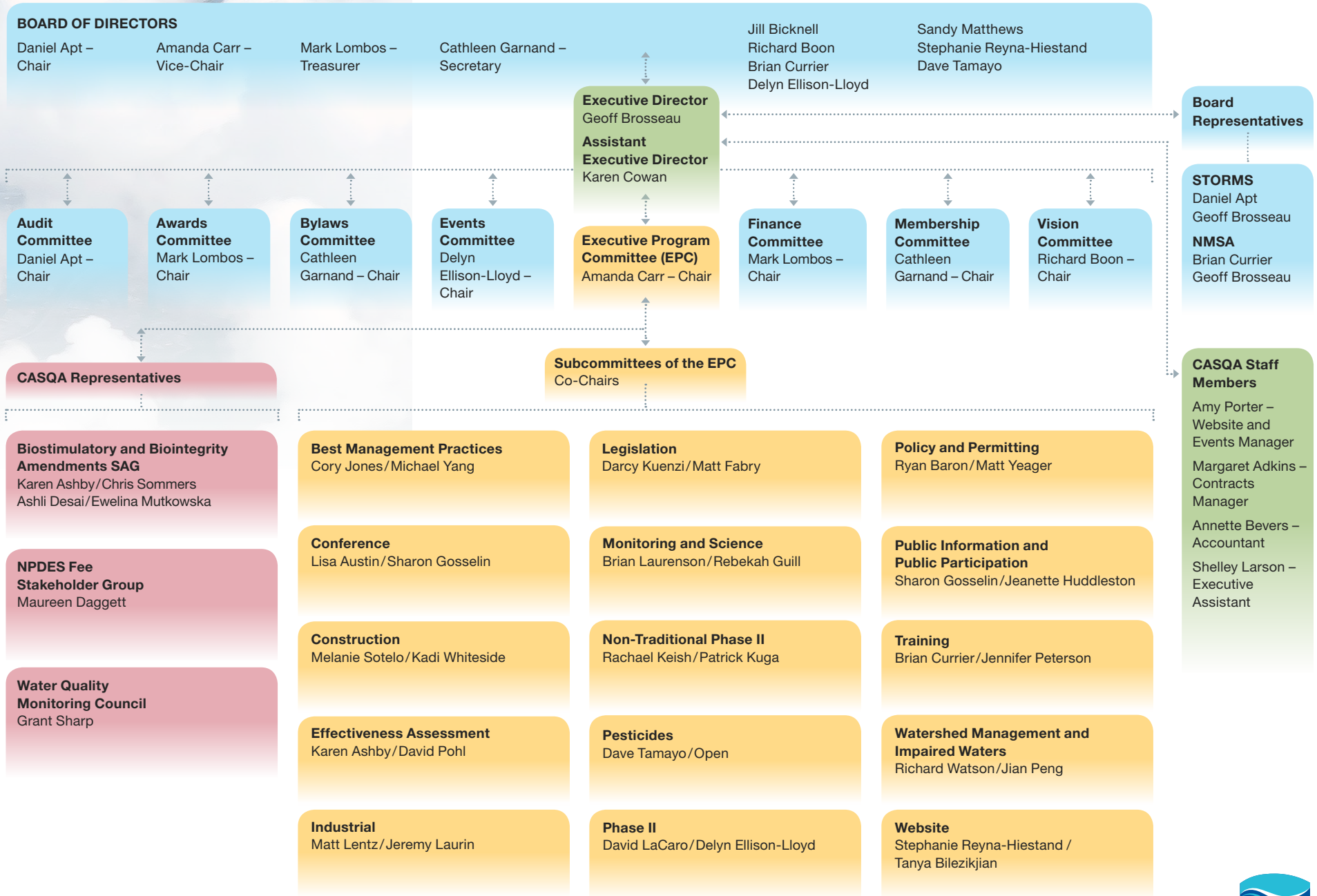
CASQA REPRESENTATIVES

CASQA encourages individuals to serve on committees and other groups to represent the interests of stormwater quality management and CASQA members.

CASQA Executive Program Committee meeting
(left to right): Sandy Mathews, Daniel Apt,
Delyn Ellison-Lloyd, Karen Ashby, Patrick Kuga,
Dave Tamayo, Matt Yeager, Kelly Moran



2019 CASQA Organizational Structure



Subcommittee Accomplishments

Following are brief reports from subcommittees of the EPC for 2019.

In 2019, CASQA's 15 subcommittees worked diligently to support our membership and the mission of CASQA. As CASQA's subcommittees are all-volunteer efforts, we encourage the CASQA membership to engage, learn from your colleagues, and add your voice and perspective to the conversations. Your volunteer contributions allow CASQA to leverage our resources and amplify membership benefits. The following highlights a few of the subcommittee accomplishments in 2019.

BMPs Subcommittee

CORY JONES/MICHAEL YANG, CO-CHAIRS

- *Construction Handbook* update conditionally approved by Board of Directors and conditions addressed
- *Industrial & Commercial Handbook* update conditionally approved by Board of Directors and conditions addressed
- *New Development and Re-Development Handbook* update conditionally approved by Board of Directors and conditions addressed
- Scoped out recommended changes to the *Municipal BMP Handbook*
- Initiated development of online *Pollutants of Concern Reduction Guidance Manual*

Conference Subcommittee

LISA AUSTIN/SHARON GOSSELIN, CO-CHAIRS

- Attracted record-breaking attendance at the annual conference, with more than 1,200 participants over the 3 days
- Featured 7 workshops, a full-day field tour, 57 exhibitors, 31 poster presentations, 7 panels, as well as 138 presentations, panels, forums, and roundtables in the 11-track technical program
- Recorded 14 podcast episodes, a new addition for the 2019 conference
- Highlighted recent integrating approaches developed by the State Water Board's STORMS program and the CASQA Vision to establish stormwater as a vital resource through focused efforts and resources
- Conference presentations are available as PDFs linked to the Training Workshop and Technical Program presentation titles in the [2019 Conference Agenda](#)

Annual conference (left to right): Plenary session; Podcast recording; Jeffrey D. Endicott accepting the 2019 CASQA Leadership Award



Subcommittee Accomplishments (continued)

Construction Subcommittee

MELANIE SOTELO/KADI WHITESIDE, CO-CHAIRS

- Engaged with the State Water Board staff regarding implementation of TMDLs in the draft permit and potential solutions to demonstrate compliance.

Effectiveness Assessment Subcommittee

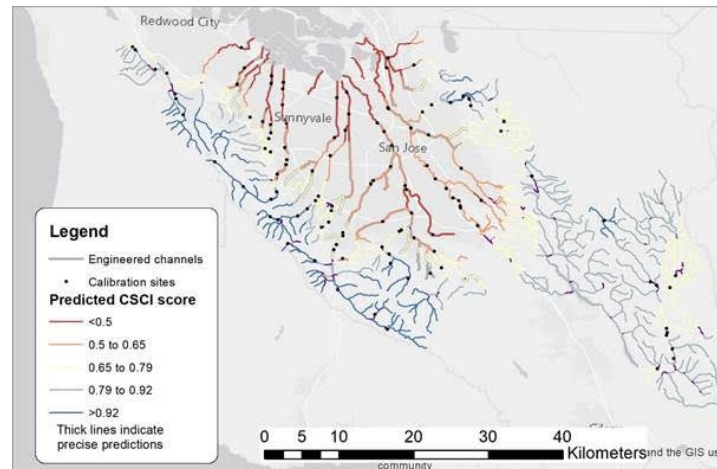
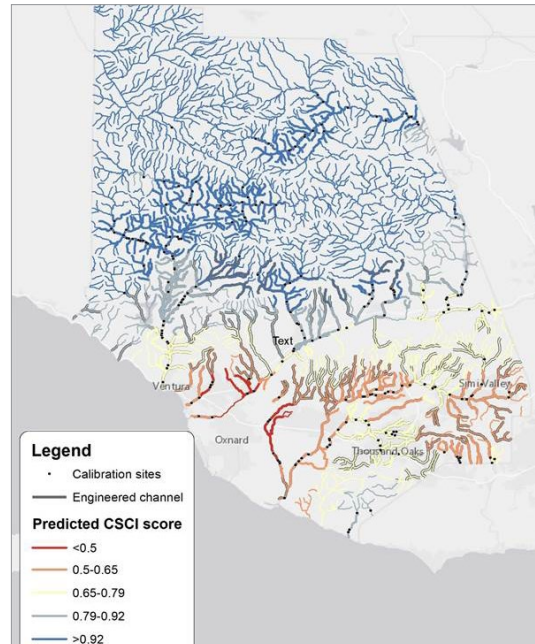
KAREN ASHBY/DAVID POHL, CO-CHAIRS

- Provided overview of the Source Contribution Tools Database and other effectiveness assessment tools and methodologies available to CASQA members
- Provided updates to the subcommittee on the SCCWRP California BMP Effectiveness Data Set Project
- Provided updates to the subcommittee and assisted with the development of draft Phase II Permit effectiveness assessment language

Industrial Subcommittee

JEREMY LAURIN AND MATT LENTZ, CO-CHAIRS

- Held 10 subcommittee calls
- Coordinated 2019 Industrial Workshop Track for the CASQA Annual Conference
- Facilitated a workgroup to develop a strategy on iron control and legislative changes
- Developed a draft magnesium whitepaper (anticipated to be completed in early 2020)



The Monitoring and Science Subcommittee is working with SCCWRP to assess the spatial representativeness of bioassessment in modified channels. Look for the final work product in 2020.

Monitoring and Science Subcommittee

REBEKAH GULL AND BRIAN LAURENSEN, CO-CHAIRS

- Implemented the project, *Assessing Spatial Representativeness of Bioassessment in Modified Channels*, which included:
 - Evaluating case studies demonstrating where conditions are well or poorly understood
 - Guidance on interpreting variability of bioassessment scores
 - A Standard Operating Procedure (SOP) toolkit to generate similar maps
- Provided technical presentations and guest presentations during subcommittee calls, including:
 - Post-Fire Stormwater Monitoring
 - United States Geological Survey (USGS) Flash Flood/Remote Areas Water Sampling
 - Per- and polyfluoroalkyl substances (PFAS) and Surface Water
 - Statewide Toxicity Provisions Update

Non-Traditional Phase II Subcommittee

RACHAEL KEISH AND PATRICK KUGA, CO-CHAIRS

- Assisted Non-Traditional MS4s with trash compliance and TMDL implementation
- Supported permittees in the Small MS4 Permit reissuance process by (1) reviewing the existing permit and developing proposed revisions, (2) reviewing and commenting on administrative drafts of potential new or revised permit language, and (3) participating in a series of discussions with State Water Board and Regional Water Board staff on potential permit revisions

Subcommittee Accomplishments (continued)

- Coordinated with the Phase II Subcommittee and the Policy and Permitting Subcommittee regarding the Small MS4 Permit reissuance
- Conducted outreach to schools regarding SB 541 implementation in advance of new Small MS4 Permit (SB 541 required the State Water Board to recommend best design and use practices for stormwater and dry weather runoff capture practices that can generally be applied to all new, reconstructed, or altered public schools, including school grounds)

Pesticides Subcommittee

DAVE TAMAYO, CHAIR

- Provided scientific staff support for the development of the Urban Pesticide Amendments by the State Water Board
- Provided scientific support for the formation of the Urban Pesticides Coordinated Monitoring Program, or UPCMP (that is envisioned to effectively replace MS4-specific pesticides and toxicity monitoring requirements), including support of a \$100,000 grant for development of its initial monitoring program, assisting with drafting the program charter, forming the founding Steering and Technical Committees, finalizing initial priority monitoring questions, and initiating development of the first workplan
- Published annual report and effectiveness assessment available to CASQA members and used to support regulatory requirements
- Reviewed scientific literature in order to update and prioritize the Pesticide Watch List, which is shared with pesticides regulators and with government agency and university scientists to stimulate generation of surface water monitoring and aquatic toxicity data for the highest priority pesticides
- Provided regulatory and science updates and monthly regulatory action plans

As CASQA's subcommittees are all-volunteer efforts, we encourage the CASQA membership to engage, learn from your colleagues, and add your voice and perspective to the conversations.

- Prepared written comment letters to EPA on its Endangered Species Act Pesticides Risk Assessment Proposed Procedures toward correcting scientific errors in the proposed procedure that would have eliminated evaluation of all pesticides applications on impervious surfaces and to support storm drain discharge prohibitions proposed for all zinc pool and hot tub pesticides product labels

Phase II Subcommittee

DELYN ELLISON-LLOYD AND DAVID LACARO, CO-CHAIRS

- Supported permittees in the Small MS4 Permit reissuance process by (1) reviewing the existing permit and developing proposed revisions, (2) reviewing and commenting on administrative drafts of potential new or revised permit language, and (3) participating in a series of discussions with State Water Board and Regional Water Board staff on potential permit revisions
- Coordinated with the Non-Traditional Phase II Subcommittee and the Policy and Permitting Subcommittee regarding the Small MS4 Permit reissuance

Policy and Permitting Subcommittee

RYAN BARON AND MATT YEAGER, CO-CHAIRS

- Tracked key regulatory issues at the federal, state, and regional board level
- Briefed subcommittee members on key regulatory and permitting issues
- Discussed and developed 10 comment letters and 1 testimony for a wide range of issues. (See [Appendix A](#) for the detailed list)
- Developed 2 briefing papers on asset management and compliance pathways for receiving water limitations to support the Phase II and Non-Traditional Phase II subcommittees with the Small MS4 Permit reissuance
- Developed work products to support CASQA's 2019 Priorities, including:
 - Project A: Water Quality Priorities
 - Water Quality Priorities: Approach, Methodology, and Results* (October 2019)
 - Project B: Statewide Bacteria Effort
 - Survey and Interview of Stormwater Agencies (December 2019)
 - Regulatory and Technical Challenges Associated with Current Bacteria Objectives for Recreational Activities* (pending approval by the Board of Directors)
 - Near-Term Compliance Options Memorandum* (pending approval by the Board of Directors)
 - Project C: Trash Track 2 Guidance
 - Project D: Biostimulatory/Biointegrity Objectives
 - Considerations of Seasonality* (November 2019)
 - Policy Options Scoping Document* (November 2019)

Subcommittee Accomplishments (continued)



courtesy County of Los Angeles Dept. of Beaches and Harbors



courtesy Port of San Diego

Public Information and Public Participation Subcommittee

SHARON GOSELIN AND JEANETTE HUDDLESTON, CO-CHAIRS

- Held 3 Public Information and Public Participation (PIPP) Subcommittee meetings that included a “program/project spotlight” and a “focus topic” for a roundtable discussion
- Developed and released a Request for Qualifications (RFQ) for “Project E- Demonstrate the Value of Stormwater to the Public” (CASQA Vision Action 3.1)
- Selected a firm to assist with the implementation of Project E and finalized the scope of work
- Solicited feedback from PIPP members to identify priorities and determine agenda topics for future meetings
- In support of the 2019 CASQA Annual Conference:
 - Solicited more interest and participation from stormwater professionals involved in stormwater public outreach
 - Formed a working group to review and select presentations for the Public Outreach and Education track

CASQA awardees’ outreach programs from the County of Los Angeles Department of Beaches and Harbors (left) and Port of San Diego (right)

Training Subcommittee

BRIAN CURRIER AND JENNIFER PETERSON, CO-CHAIRS

- Training Videos:
 - Initiated development of two new videos and modification of three of the existing good housekeeping videos (available on CASQA’s website under Resources)
- Post-Construction BMP/Green Infrastructure Inspection and Operations Training:
 - Monitored the National Green Infrastructure Certification Program to evaluate how it can be applied to meet California’s training needs
- Conducted a survey of the CASQA membership on MS4 plan checking needs that identified a desire for the training

- Participated in CASQA’s Events Committee to provide input on membership training needs related to CASQA’s Quarterly Meetings
- Worked closely with State Water Board staff on Industrial General Permit (IGP) and Construction General Permit (CGP) Trainings. Provided informal input to State Water Board staff on language for the next CGP that would add flexibility in the underlying certificate requirement for Qualified SWPPP Practitioners (QSPs)

Watershed Management and Impaired Waters Subcommittee

JIAN PENG AND RICHARD WATSON, CO-CHAIRS

- Developed an addendum to CASQA’s Petition to DTSC to add motor vehicle tires to the Priority Product List
- Continued to monitor the implementation of SB 346 (the bill that requires reduction in the copper content of brake pads)
- Reported to Los Angeles Regional Water Board on Implementation of SB 346
- Monitored and tracked the pending Phase I MS4 Permit Renewal in the Los Angeles Region

Website Subcommittee

STEPHANIE REYNA-HIESTAND AND TANYA BILEZIKJIAN, CO-CHAIRS

- Conducted ongoing website maintenance and updates
- Launched the CASQA podcast (episodes are posted under the “News and Library” section and are available for listening by all website users)

The Year Ahead: Initiatives for 2020

Amanda Carr
CASQA Chair, 2020-2021



CASQA's *Strategic Plan and Organizational Goals* identifies what is necessary for CASQA to lead, collaborate, educate, support, and develop the stormwater community. CASQA's *Vision for Sustainable Stormwater Management* articulates a comprehensive pathway that will achieve the goals of the Clean Water Act and improve the efficiency and effectiveness of stormwater management. These two documents form the core of who we are as an organization and what we want to achieve.

Therefore, each year, CASQA evaluates our *Strategic Plan and Organizational Goals* and *Vision for Sustainable Stormwater Management* to identify the most pressing needs of the organization and our membership.

The objective is to (1) identify priorities for the year, (2) identify and implement projects to achieve those priorities, and (3) align resource allocations with the annual priorities.



CASQA's Strategic Plan identifies organizational goals and informs the Vision for Stormwater

The Year Ahead: Initiatives for 2020 (continued)

For 2020, CASQA has identified Priorities to advance CASQA's Vision (see table on the following page) and Areas of Focus to guide CASQA's organizational efforts (see [Appendix B](#)).

The 2020 Vision Priorities and Strategic Plan Areas of Focus are based on the results of the 2019 Membership Survey, as well as input from the Executive Program Committee and Board of Directors.

CASQA will engage in specific projects and initiatives to implement the actions and objectives identified in the following 2020 Vision Priorities and Areas of Focus.

Strategic Plan: 2020 Areas of Focus

CASQA's Strategic Plan identifies the organizational goals necessary for CASQA to lead, collaborate, educate, support, and develop the stormwater community. Many of these goals are foundational services provided by CASQA each year, while others are new and focused on continuing to advance the organization and serve our membership. Several Areas of Focus are highlighted here (see [Appendix B](#) for the complete list):

LEAD

Establish and Implement a Vision for Stormwater (Goal 2.1)

CASQA's Vision is intended to be a living document that is periodically updated to reflect the most current knowledge in the stormwater profession. These updates ensure that the Vision is focused on the actions necessary to achieve sustainable stormwater management. In 2020, CASQA will conduct a substantive evaluation and update its Vision for Stormwater.

CASQA's Strategic Plan identifies the organizational goals necessary for CASQA to lead, collaborate, educate, support, and develop the stormwater community.

Provide Leadership on Current Regulatory and Legal Issues (Goal 2.2)

An essential element of CASQA's Strategic Plan is the development of comment letters and providing testimony pertaining to important issues for CASQA and the CASQA membership. With the assistance of the CASQA Subcommittees, such as the Policy and Permitting Subcommittee, CASQA will continually evaluate regulatory issues, identify those that substantively impact our membership, and develop comment letters and testimony that proactively and productively effects change.

Lead Efforts/Support Permit Issuance and Permit Renewal (Goal 2.3)

CASQA will continue to provide leadership and advocacy related to statewide permit reissuances and amendments. Statewide permits affect numerous permittees, including municipalities, construction, and industrial permittees. In 2020, the State Water Board will be preparing to reissue the Phase II Small MS4 Permit (2021) and the Construction General Permit. With assistance from the Construction Subcommittee, Phase II Subcommittee, and Non-Traditional Phase II Subcommittee, CASQA will continue to engage and work with the State Water Board regarding these reissuances.

Additionally, with the assistance of the Industrial Subcommittee CASQA will continue to engage the State Water Board regarding implementation of the Industrial General Permit.

DEVELOP

Support Development of Future Leaders (Goal 6.1)

Advances in the stormwater profession are contingent upon the development of future leaders. In 2020, CASQA will continue the Conference Scholarship Program. Through a competitive process, outstanding individuals who have participated in an internship program of a CASQA member agency are identified and invited to present a poster at the CASQA Annual Conference. Awardees also receive mentorship from the Board of Directors, the Executive Director, and Assistant Executive Director, and network with and learn from leaders in the stormwater field. Look for more information in the Spring of 2020.

The Year Ahead: Initiatives for 2020 (continued)

Vision: 2020 Priorities

PRIORITY LEVEL: MISSION CRITICAL

In 2019, CASQA developed a robust and transparent methodology to determine the highest priority water quality issues for stormwater, resulting in the identification of bacteria, trash, biointegrity/biostimulatory substances, and current use pesticides. The strategies to address these issues were incorporated into CASQA's overall comprehensive prioritization process, with strategies to address trash and bacteria identified as Mission Critical for CASQA in 2020. The following are the efforts that CASQA will be pursuing in the coming year:

Identify and Address Stormwater Program Priorities: Trash (Vision Action 2.2)

- In collaboration with the State Water Board, develop and launch a statewide process to collectively address regulatory and technical issues related to bacteria. The goal is to establish a process that includes all stakeholders (stormwater, wastewater, NGOs, EPA, State Water Board, Regional Water Boards) focused on developing statewide solutions that result in sustainably achieving REC-1 standards.

Identify and Address Stormwater Program Priorities: Bacteria (Vision Action 2.2)

- Develop a Trash Control Program Implementation guidance document to assist municipal stormwater programs in planning for and implementing trash treatment and/or institutional (source) control measures. The guidance document will include the most currently available information on the costs and benefits of treatment controls (including full capture systems), institutional/source controls, and other types of actions that have been demonstrated to reduce trash in stormwater.

Enable Funding Opportunities (Vision Action 2.5)

Assisting local agencies with stormwater funding continues to be one of the highest priorities for CASQA.

In 2020 CASQA will assist its members with their funding needs through the following activities:

- Secure sustainable funding for the on-going maintenance and curation of a California-specific stormwater funding website that will include the CASQA stormwater funding white papers, sustainable stormwater program funding, a table of alternative funding sources organized by multiple benefits, and guidance on performing a sustainability analysis to

identify multiple benefits for stormwater projects such as LID, green infrastructure, and regional projects.

- Participation in the SB 231 Implementation Working Group and the planning and development of the strategy for sustainable implementation of the legislation.
- Serving as the administering entity for the California Stormwater Authority, a JPA formed to facilitate combining and leveraging funds from multiple agencies to conduct statewide programs and projects.
- Continued participation in the STORMS Funding Subcommittee.

Vision: 2020 Priorities

Priority/Level	Description	Lead
Vision Action 2.2	Identify and Address Stormwater Program Priorities: Trash	EPC
Vision Action 2.2	Identify and Address Stormwater Program Priorities: Bacteria	ED/EPC
Vision Action 2.5	Enable Funding Opportunities	BoD/ED
Vision Action 1.1	Promote Stormwater as a Resource	BoD/ED
Vision Action 1.3	Provide Effective and Efficient Solutions through True Source Control	EPC
Vision Action 2.2	Identify and Address Stormwater Program Priorities: Biointegrity/Biostimulatory	EPC
Vision Action 3.1	Communicate the Value of Stormwater to the Public	EPC
Vision Action 2.2	Identify and Address Stormwater Program Priorities: Current Use Pesticides	EPC
Vision Action 2.6	Determine the Cost of Compliance for Stormwater Programs	ED/BoD
Vision Action 2.3	Modify/Develop Water Quality Standards to Address Wet Weather (Stormwater) Conditions	ED
Vision Action 2.4	Develop Permitting Policies/Framework Focused on Sustainable Stormwater Management	ED

Color coding reflects the priority level for each priority:

Red = Mission Critical

Orange = Important

Canary = Medium

Gray = Medium (but minimal expectation of resource allocation; more opportunistic approach)

ED = Executive Director/ Association Management Contract

BoD = Board of Directors (overall CASQA Budget)

EPC = Executive Program Committee Budget



PRIORITY LEVEL: IMPORTANT

Promote Stormwater as a Resource (Vision Action 1.1)

Stormwater is a resource, with social, economic, and ecological value and should be managed in a sustainable manner. Domestic water supply sources in California are strained, and stormwater will play an important role in maintaining a consistent and resilient domestic supply. Using, and reusing water within local watersheds will help maintain local water balance, reduce energy use, and avoid environmental impact to ground and surface waters.

CASQA will continue to promote stormwater as a resource through the following efforts in 2020:

- Working proactively to build partnerships with other water resource agencies and organizations (e.g., CASA).
- Continuing to advocate for the vital role of stormwater in integrated water resource efforts, such as the Governor's Water Resilience Plan.

Provide Effective and Efficient Solutions through True Pollutant Source Control (Vision Action 1.3)

True Source Control focuses efforts on stopping the generation of a pollutant at its product source, rather than after it has been released into the environment. Eliminating or significantly reducing the existence of potential pollutants negates the need to prevent contact between potential pollutants and stormwater or to remove potential pollutants from stormwater. CASQA will continue to focus on true source control activities to achieve sustainable stormwater management through:

- Continuing to support and monitor implementation of SB 346, legislation that requires the reduction of the copper content in brake pads.
- Supporting the petition submitted to DTSC to add motor vehicle tires to the Priority Products List (for zinc).
- See also efforts related to current use of urban pesticides.

Identify and Address Stormwater Program Priorities: Biointegrity/Biostimulatory (Vision Action 2.2)

As noted above, biointegrity/biostimulatory substances were identified as one of the highest priority water quality issues for stormwater. Strategies to address biointegrity/biostimulatory substances were identified as an Important Priority for CASQA in 2020. Efforts will include:

- Developing tools to support decision-making on policy options for the biointegrity/biostimulatory objectives currently under development by the State Water Board.
- Working with State Water Board staff in the development of the associated objectives for biointegrity/biostimulatory substances.

Communicate the Value of Stormwater to the Public (Vision Action 3.1)

Public education is one of the key components of the overall CASQA Vision. Public support is needed for so much of everything that we do in stormwater, from funding local stormwater programs to ensuring the successful implementation of multi-benefit projects, public support is vital. In order to gain that support, public awareness, understanding, and appreciation of the value of stormwater is necessary. The following are the elements that CASQA will be pursuing in 2020 to achieve this goal:

- Develop a strategy that outlines the steps needed to elevate public awareness, understanding, and appreciation of the value of stormwater in California. Clarify the issues that must be addressed, "Who? What? When? Where? How? and Why?" and develop messaging.
- Develop detailed action plans to elevate public awareness, understanding, and appreciation of the value of stormwater in California.

PRIORITY LEVEL: MEDIUM

Identify and Address Stormwater Program Priorities: Current Use Pesticides (Vision Action 2.2)

Pesticides represent a special and specific challenge to municipal stormwater programs since they are licensed for use by the State and EPA and are present in concentrations too low to be practical to remove from stormwater but are commonly found in sufficient quantities to cause toxicity in receiving waters. In response, CASQA, as well as the State Water Board, have actively advocated, with some significant success, for more effective, proactive regulation of pesticides by the California DPR, and the EPA Office of Pesticide Programs (OPP). In 2020, CASQA's efforts will focus on:

- Continuing to work with the State Water Board to develop Urban Pesticide Amendments. The intent of the UPAs is to formalize the effective approach of proactive pesticide regulation.
- Assisting with the development of the Urban Pesticide Coordinated Monitoring Program. This program is intended to be a statewide monitoring program to support the implementation of the UPAs.

Determine the Cost of Compliance of Stormwater Programs (Vision Action 2.6)

An MS4's defining characteristic is that it is an open system, wherein flows are determined by the amount of precipitation and inputs into the system are open and accessible on every street and property. Discharges (stormwater and other flows) into an MS4 represent the diversity of activities and behaviors conducted by humans and other species from the surrounding watershed and the airshed. To address such an open system, regulations, permits, and programs have been developed that match its scope. Accordingly, the scope of a

municipal stormwater program cuts across all departments and professional disciplines. Most stormwater programs do not have a dedicated fee or assessment and are funded out of an agency's general fund. Additionally, many of the activities of a stormwater program are conducted as part of other existing municipal services (e.g., street sweeping, catch basin cleaning). Finally, the size of the agencies implementing the program range from populations of 10,000 to more than 10 million.

All of these factors—diffuse pollution sources (including cross media, sources), broad scope, multiple departments and budgets, integrated tasks, wide range of agencies—make determining the needs and costs of the stormwater program an accounting challenge within any one agency. Between agencies, differences in program design and organization make it difficult to combine information from multiple agencies into a larger, consistent database from which to report average results without significant variability. Without a reliable accounting of funding and funding needs, it is difficult to identify funding to fill the gaps. CASQA's efforts to address this Priority in 2020 will include:

- Working with the State Water Board to develop and refine a scope of work for a STORMS project that will develop a methodology and approach for stormwater programs to determine the cost of implementation and compliance with stormwater permits.

Collaboration Efforts at the State and National Levels

The ubiquitous sources of stormwater pollution and the origination of stormwater in a natural, open system means that stormwater pollution is inherently very difficult for one type of agency to control. Therefore, stormwater agencies are regularly seeking to collaborate with other agencies that have the ability to control potential pollutants at or near their sources (e.g., DPR, DTSC) or to intercept and remove potential pollutants before they are discharged (e.g., POTWs). Accordingly, CASQA has focused on facilitating collaborative efforts and has a long and successful history of doing so. Collaboration is a core component of CASQA's approach as an organization and a key service to the CASQA membership.

STATE WATER BOARD'S STORMWATER STRATEGY

CASQA has been quite active in the STORMS Implementation Committee and looks forward to continuing to collaborate with the rest of the Committee as well as continuing to participate on subcommittees and project advisory groups for the first phase projects, which include:

- Promoting stormwater capture and use and identifying/eliminating barriers.
- Developing guidance for alternative compliance approaches for municipal stormwater permit receiving water limitations.
- Developing watershed-based compliance and management guidelines and tools.
- Eliminating barriers to funding stormwater programs.
- Establishing a statewide framework for urban pesticide reduction.
- Identifying opportunities for source control and pollution prevention.
- Evaluating the STORMS Phase II & III projects and assisting with their scoping and implementation.

STATE WATER BOARD INITIATIVES

The State Water Board will likely be making substantial progress and moving forward in 2020 on a number of statewide plan/policy initiatives, including (in alphabetical order):

- Biostimulatory Substances Objective and Program to Implement Biological Integrity (for Perennial Streams & Rivers).

The ubiquitous sources of stormwater pollution and the origination of stormwater in a natural, open system means that stormwater pollution is inherently very difficult for one type of agency to control... CASQA has focused on facilitating collaborative efforts and has a long and successful history of doing so. Collaboration is a core component of CASQA's approach as an organization and a key service to the CASQA membership.

The Year Ahead: Initiatives for 2020 (continued)

- Construction General Permit reissuance, plus incorporation of TMDL implementation requirements.
- Phase II Small MS4 Permit reissuance and designation of additional non-traditional MS4s.
- Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan.
- Trash Amendments – implementation requirements and guidance.
- Urban Pesticide Amendments.



The 2020 CASQA Annual Conference will be held on September 14–16 in San Diego, CA. SEE YOU IN 2020!

CASQA will continue to track, participate as official stormwater representatives on advisory groups, and otherwise engage with the State Water Board as these initiatives develop, and keep our members informed via the bi-weekly *Water Quality NewsFlash*. CASQA invites your participation through the appropriate CASQA subcommittee or CASQA representative.

ENVIRONMENTAL PROTECTION AGENCY

CASQA will continue to engage with EPA Region 9 and headquarters staff in 2020. This engagement will include overarching collaboration as well as the following:

- EPA Region 9 MS4 Permit Workshops follow up: EPA Region 9 held two workshops to examine permit design and discuss lessons learned from 25+ years of permit implementation. CASQA participated in both workshops and will continue to collaborate with EPA on any associated follow up efforts and actions.
- National Collaboration: CASQA will collaborate with EPA headquarters staff directly and as a member of National Municipal Stormwater Alliance.

NATIONAL MUNICIPAL STORMWATER ALLIANCE

CASQA is a founding member of NMSA, a national organization working towards the advancement of stormwater management. NMSA provides an opportunity for CASQA to collaborate with similar organizations from other states and provides another venue to work directly with EPA on stormwater issues. In 2020, CASQA will continue to support NMSA's organizational efforts (e.g., encouraging other states to form statewide stormwater quality organizations and join NMSA) as well as national initiatives that assist the CASQA membership (e.g., ASCE Infrastructure Report Card).

CASQA's Annual Conference

The theme for CASQA's 16th Annual Conference is "CASQA 2020: *Envision the Future*" and will be held at the Paradise Point Resort in San Diego, September 14-16, 2020. As demonstrated by the CASQA 15th Annual Conference in Monterey in 2019, the CASQA Annual Conference is the best place for stormwater practitioners to keep up with the latest technical topics, exchange ideas, and network with others in the stormwater quality field. Planning for the 2020 conference has already begun; check the CASQA bi-weekly e-newsletters for abstract and award nomination submittal

deadlines, registration deadlines, and other ways you can get involved. All are welcome to participate in the Conference Subcommittee; the monthly call times are posted on the CASQA website in the CASQA calendar.

Member Involvement

One of the best ways for members to become involved in CASQA is by participating in one of our 15 subcommittees. The subcommittees oversee some of the most important technical, regulatory, and policy work of the organization, and are also a great forum in which to learn how other members are addressing permit compliance and program implementation challenges.

If you have additional ideas or suggestions on how CASQA can better serve its members, please feel free to contact me. We look forward to continued engagement, education, and collaboration in 2020 and to advancing stormwater quality management and achieving the CASQA Vision.

– **Amanda Carr**
CASQA Chair, 2020-2021

Appendix A: CASQA Products – 2019

13 comment letters, 1 testimony,
2 CASQA position papers,
10 final CASQA work products,
1 amended petition, and 1 legal
opinion publication request were
developed and provided by
CASQA in 2019.

Comment letters and other materials are available to CASQA members on the CASQA website, or may be obtained by contacting us at info@casqa.org.

Executive Director

January 11, 2019 – Letter to the California Court of Appeal, Second Appellate District, Division 5 Requesting Publication of Opinion: *Natural Resources Defense Council, Inc. et al v. State Water Resources Control Board et al.*, Case B282016

April 10, 2019 – Final CASQA Work Product: *CASQA's Strategic Plan and Organizational Goals*

May 1, 2019 – CASQA Comment Letter to the San Diego Regional Water Quality Control Board: Recommendation for a Meeting on the Proposed Basin Plan Amendment to Incorporate Biological Objectives

August 14, 2019 – Final CASQA Work Product: Interim Update to CASQA's *Vision for Sustainable Stormwater Management*

November 25, 2019: Request for Extension of the Comment Period for the Pyrethroids and Pyrethrins Ecological Risk Mitigation Proposal for 23 Chemicals

December 12, 2019: Request for Extension of the Comment Period for the Updated A-2386, A-2477, and A-2508 Proposed Order

Vision Committee

March 13, 2019 – CASQA Position Paper: Discussion Points for Creating a New Stormwater Category on the ASCE Infrastructure Report Card

August 14, 2019 – CASQA Position Paper: Publicly Owned Treatment Works (POTW)/Sanitary Sewer & Municipal Separate Storm Sewer System (MS4)/Stormwater Collaboration

BMPs Subcommittee

December, 2019 – Final CASQA Work Product: *Construction BMP Handbook* (Updated)

December, 2019 – Final CASQA Work Product: *Industrial & Commercial BMP Handbook* (Updated)

December, 2019 – Final CASQA Work Product: *New Development & Redevelopment BMP Handbook* (Updated and Conversion to Online Format)

Pesticides Subcommittee

August 14, 2019 – Final CASQA Work Product: *Pesticides Subcommittee FY 2018-2019 Annual Report*

August 15, 2019 – CASQA Comment Letter to EPA on Draft Revised Method for National Level Endangered Species Risk Assessment Process for Biological Evaluations of Pesticides

September 30, 2019: Zinc and Zinc Salts Registration Review – Proposed Interim Decision

Policy and Permitting Subcommittee

March 19, 2019 – Testimony to EPA on Draft Water Quality Standards; Establishment of a Numeric Criterion for Selenium for the State of California

March 28, 2019 – CASQA Comment Letter to EPA on Draft Water Quality Standards; Establishment of a Numeric Criterion for Selenium for the State of California

April 15, 2019 – CASQA Comment Letter to EPA and USACOE on Proposed Revised Definition of Waters of the United States under the Clean Water Act

June 1, 2019 – CASQA Comment Letter to San Diego Regional Water Board on Proposed BPA to Establish Biological Water Quality Objectives

June 20, 2019 – CASQA Comment Letter on State Water Board Stormwater Cost Estimation and Reporting Guidance

July 19, 2019 – CASQA Comment Letter to the Central Coast Regional Water Quality Control Board on the Salinas Stormwater Permit

August 8, 2019 – CASQA Comment Letter to State Water Board on Ocean Plan Review

September 9, 2019 – CASQA Comment Letter to Governor's Water Portfolio Program on Water Resilience Portfolio

October 6, 2019 – Final CASQA Work Product: *Water Quality Priorities: Approach, Methodology and Results*

November 13, 2019 – Final CASQA Work Product: *Proposed Statewide Biostimulatory Substances Objective and Program to Implement Biological Integrity Amendment to Water Quality Control Plans for Inland Surface Waters, Enclosed Bays and Estuaries of California: Policy Options Scoping Document*

November 13, 2019 – Final CASQA Work Product: *Proposed Statewide Biostimulatory Substances Objective and Program to Implement Biological Integrity Amendment to Water Quality Control Plans for Inland Surface Waters, Enclosed Bays and Estuaries of California: Considerations of Seasonality (Wet and Dry Weather Conditions)*

December 16, 2019 – Comments to EPA on the Draft National Water Reuse Action Plan

Watershed Management and Impaired Waters Subcommittee

January 9, 2019 – Final CASQA Work Product: *Brake Pad Copper Reduction Status Report*

May 3, 2019 – Addendum to the Petition Request to DTSC: Zinc from Tires - A Petition for Addition of Motor Vehicle Tires to the Priority Products List

Appendix B: CASQA's Strategic Plan and Organizational Goals

Mission Statement

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

Vision Statement

CASQA advances the stormwater field through a network of highly engaged professionals that...

- **Lead:** CASQA provides leadership that results in sustainable statewide stormwater policies, regulations, and programs
- **Collaborate:** CASQA provides a forum for stormwater professionals to share ideas and identify solutions for regulatory, technical, and scientific challenges
- **Educate:** CASQA produces resources and hosts events that inform, educate, and train stormwater professionals, regulators, and the public on the value, challenges, and scientific and technical aspects of stormwater management
- **Support:** CASQA tools and guidance promote implementation of sustainable stormwater programs
- **Develop:** CASQA provides opportunities for the growth of stormwater professionals and development of current and future stormwater leaders

Core Values

EXCELLENCE

We demonstrate excellence by...

- Ensuring all CASQA Work Products are of the highest quality and can be relied upon as the industry standard by our membership and others
- Ensuring all CASQA Quarterly meetings are informative and beneficial to our membership
- Ensuring the CASQA Annual Conference is the premier stormwater conference by providing an informative technical program, professional development opportunities for attendees, and access to leaders in our field

LEADERSHIP

We demonstrate leadership by...

- Identifying and addressing needs and opportunities to develop the discipline of stormwater management
- Establishing and implementing the CASQA Vision for Stormwater
- Providing effective analysis, comment letters, and testimony on regulatory issues that benefit our membership
- Providing support for the on-going evolution and implementation of statewide stormwater permits
- Anticipating the future needs of our organization and membership and adapting to those needs
- Focusing CASQA's efforts on the highest priorities to achieve CASQA's Vision for Stormwater and effectively aligning CASQA's resources with those priorities
- Supporting the development of future leaders within the CASQA organization and stormwater profession by providing education and professional development opportunities
- Ensuring CASQA is led by an effective executive leadership team with the skills and resources to implement CASQA's Mission and Vision Statements

CASQA advances the stormwater field through a network of highly engaged professionals.

COLLABORATION

We demonstrate collaboration by...

- Seeking to build solutions rather than only identifying problems
- Developing partnerships with other organizations, such as the State Water Board, EPA, DPR, NMSA, CASA, and Association of California Water Agencies (ACWA) that help support CASQA's Strategic Plan and CASQA's Vision for Stormwater
- Establishing an organizational structure that encourages and relies upon input from CASQA members throughout the State
- Promoting discussions within the EPC with the goal of sharing ideas, information, and strategies across CASQA's subcommittees
- Providing a forum, through CASQA's subcommittees, for stormwater professionals to share ideas and identify solutions for regulatory, technical, and scientific challenges
- Working to build our membership to ensure the many needs of California stormwater permittees are reflected in CASQA's efforts
- Working with other water management organizations to achieve integrated management of California water resources that promote stormwater as a resource

INTEGRITY

We demonstrate integrity by...

- Committing to develop and utilize scientific and regulatory expertise
- Building relationships with our membership, regulators, and other organizations based upon honesty, respect, expertise, and our commitment to sustainable stormwater management
- Communicating an accurate representation of our membership's views on stormwater issues
- Managing the organization in a transparent and honest manner

INCLUSIVITY

We demonstrate inclusivity by...

- Encouraging and ensuring equal access (opportunities for leadership, access to information) for all CASQA members
- Encouraging contributions from and considering the perspectives of all members
- Encouraging membership and engagement in CASQA's programs from all areas of the state

RESPECT

We demonstrate respect by...

- Productively listening to and seeking to understand the perspectives of others
- Valuing the perspectives of others
- Ensuring communications are framed in a positive and productive manner, focused on problem-solving and solutions
- Creating and managing effective meetings that value the volunteer time of our members
- Acknowledging the outstanding volunteer efforts of individuals [and organizations] that support CASQA

SERVICE

We demonstrate service by...

- Volunteering time and energy to achieve CASQA's Strategic Plan and CASQA's Vision for Stormwater
- Serving CASQA in a leadership role (Subcommittee Co-Chair, the Executive Program Committee, and/or Board of Directors)
- Leading a CASQA project, annual conference track, or training session
- Participating in a CASQA subcommittee

STEWARDSHIP

We demonstrate stewardship by...

- Ensuring CASQA's efforts support the protection of California's watersheds and resources
- Contributing to scientific advancement and understanding of water quality and watershed health
- Striving to achieve sustainable stormwater management in California
- Ensuring CASQA's resources are sufficient to support the Strategic Plan and managed in an efficient and effective manner
- Managing CASQA to address the needs and opportunities of its members and of the discipline of stormwater management

CASQA Organizational Goals

Principle 1 – ORGANIZATIONAL INFRASTRUCTURE

Develop and maintain an effective and efficient organizational infrastructure that supports and implements CASQA's mission statement, vision statement, and core values

- Goal 1.1 – Ensure Excellent Organizational Leadership*
- Goal 1.2 – Ensure Adequate and Effective Use of Resources*
- Goal 1.3 – Maintain CASQA's Nonprofit Status
- Goal 1.4 – Provide Resources for Day-to-Day Function of the Organization
- Goal 1.5 – Ensure Sustainability of CASQA as a Volunteer Organization*
- Goal 1.6 – Provide Strong Membership Benefits*
- Goal 1.7 – Maintain a Strong and Diverse Membership*
- Goal 1.8 – Ensure Organizational Structure is Effective to Achieve CASQA's Mission and Vision Statements*
- Goal 1.9 – Establish and Maintain a Policies and Procedures Manual*
- Goal 1.10 – Ensure CASQA's Website Supports Mission Statement, Vision Statement, and Core Values*

Principle 2 – LEAD

CASQA provides leadership that results in sustainable statewide stormwater policies, regulations, and programs

- Goal 2.1 – Establish and Implement a Vision for Stormwater*
- Goal 2.2 – Provide Leadership on Current Regulatory and Legal Issues*
- Goal 2.3 – Lead Efforts/Support Permit Issuance and Permit Renewal*
- Goal 2.4 – Track Legislative Issues Relevant to Stormwater
- Goal 2.5 – Conduct an Annual Awards Program*

Principle 3 – COLLABORATE

CASQA provides a forum for stormwater professionals to share ideas and identify solutions for regulatory, technical, and scientific challenges

- Goal 3.1 – Promote Collaboration within the Executive Program Committee
- Goal 3.2 – Promote Collaboration within and between Subcommittees
- Goal 3.3 – Develop and Maintain Partnerships with Other Organizations
- Goal 3.4 – Participate in Outside Organizations/Groups

Principle 4 – EDUCATE

CASQA produces resources and hosts events that inform, educate, and train stormwater professionals, regulators, and the public on the value, challenges, and scientific and technical aspects of stormwater management

- Goal 4.1 – Develop and Provide On-Going Training Programs
- Goal 4.2 – Develop and Provide As-Needed Training Programs*
- Goal 4.3 – Host an Annual Conference
- Goal 4.4 – Host Quarterly Meetings*
- Goal 4.5 – Develop and Publish Informative Materials

Principle 5 – SUPPORT

CASQA tools and guidance promote implementation of sustainable stormwater programs

- Goal 5.1 – Establish and Maintain Existing (Recurring) Resources*
- Goal 5.2 – Develop New Resources*

Principle 6 – DEVELOP

CASQA provides opportunities for the growth of stormwater professionals and development of current and future stormwater leaders

- Goal 6.1 – Provide Mentoring within CASQA*
- Goal 6.2 – Provide Professional Development Opportunities

* Indicates Areas of Focus for 2020. While all Goals are part of CASQA's annual activities, an Area of Focus indicates that a particular new activity or project will be occurring in 2020 to further advance that particular Goal.

Appendix C: CASQA's Vision at-a-Glance

The table below provides CASQA's Vision at-a-glance. The full CASQA Vision document, as well the complete text for each related objective, is available on our website.

Principle 1 – Sustainable stormwater management uses runoff as a resource, protects water quality and beneficial uses, and efficiently minimizes pollution



Action 1.1 – Promote Stormwater as a Resource

Action 1.2 – Identify Constraints and Opportunities for Maximizing Stormwater as a Resource

Action 1.3 – Provide Effective and Efficient Solutions through True Source Control

Principle 2 – Policies, regulations, guidance, training, and funding need to support sustainable stormwater management



Action 2.1 – Define Stormwater as a Non-Point Source

Action 2.2 – Identify and Address Stormwater Program Priorities

Action 2.3 – Modify/Develop Water Quality Standards to Address Wet Weather (Stormwater) Conditions

Action 2.4 – Develop Permitting Policies/Framework Focused on Sustainable Stormwater Management

Action 2.5 – Enable Funding for Stormwater Programs

Action 2.6 – Determine the Cost of Compliance for Stormwater Programs

Principle 3 – Public awareness, understanding, and appreciation of the value of stormwater is essential to sustainable stormwater management



Action 3.1 – Communicate the Value of Stormwater to the Public

Action 3.2 – Create Opportunities for Multiple Agency and Collaborative Efforts to Demonstrate the Value of Stormwater to the Public

Appendix D: Board of Directors and Executive Program Committee

Board of Directors

Daniel Apt **† – Chair
Olaunu, LLC

Amanda Carr * – Vice-Chair
County of Orange

Mark Lombos – Treasurer
County of Los Angeles Department of Public Works

Cathleen Garnand – Secretary
County of Santa Barbara

Jill Bicknell *
Santa Clara Valley Urban Runoff Pollution Prevention Program

Richard Boon
Riverside County Flood Control and Water Conservation District

Brian Currier **†
Office of Water Programs at Sacramento State

Delyn Ellison-Lloyd **†
Municipal Consulting Group

Sandy Mathews **†
Larry Walker Associates

Stephanie Reyna-Hiestand *
City of Tracy

Dave Tamayo *
County of Sacramento

Geoff Brosseau
CASQA Executive Director

Karen Cowan
CASQA Assistant Executive Director

Member affiliations listed in italics

* EPC members also on the Board of Directors
(minimum 2 required)

† EPC members who are affiliate members
(minimum of 1/3 of filled vacancies required)

Executive Program Committee (EPC)

Amanda Carr *
Vice Chair / EPC Chair
County of Orange

Cory Jones † / **Michael Yang**
BMPs Co-Chairs
CValdo Corporation / City of Irvine

Lisa Austin † / **Sharon Gosselin**
Conference Co-Chairs
Geosyntec Consultants / Alameda Countywide Clean Water Program

Melanie Sotelo † / **Kadi Whiteside**
Construction Co-Chairs
CASC Engineering and Consulting / Southern California Edison

Karen Ashby † / **David Pohl** †
Effectiveness Assessment Co-Chairs
Larry Walker Associates / ESA Associates

Matt Lentz † / **Jeremy Laurin**
Industrial Co-Chairs
GSI Environmental / Pacific Gas and Electric

Darcy Kuenzi / **Matt Fabry**
Legislation Co-Chairs
Riverside County Flood Control and Water Conservation District / San Mateo Countywide Water Pollution Prevention Program

For more information
on CASQA Directors,
Staff, and Committees,
visit the “[Board of
Directors & Committees](#)”
page at [casqa.org](#)

Brian Laurensen † / **Rebekah Guill**
Monitoring and Science Co-Chairs
Larry Walker Associates / Riverside County Flood Control and Water Conservation District

Rachael Keish † / **Patrick Kuga** †
Non-Traditional Phase II Co-Chairs
Keish Environmental / Michael Baker, International

Dave Tamayo * / **Vacant**
Pesticides Co-Chair
County of Sacramento

David LaCaro / **Delyn Ellison-Lloyd** **†
Phase II Co-Chairs
City of Paso Robles / Municipal Consulting Group

Ryan Baron † / **Matt Yeager**
Policy and Permitting Co-Chairs
Best Best & Krieger / Riverside County Flood Control and Water Conservation District

Sharon Gosselin / **Jeanette Huddleston**
Public Information / Public Participation Co-Chairs
Alameda Countywide Clean Water Program / County of Sacramento

Brian Currier **† / **Jennifer Peterson** †
Training Co-Chairs
Office of Water Programs at Sacramento State / NV5

Richard Watson † / **Jian Peng**
Watershed Management and Impaired Waters Co-Chairs
Richard Watson & Associates / County of Orange

Stephanie Reyna-Hiestand * / **Tanya Bilezikjian** †
Website Co-Chairs
City of Tracy / Michael Baker, International

Maureen Daggett †
Fee Stakeholder Group Representative
ECMS

Grant Sharp
Water Quality Monitoring Council Representative
County of Orange

Chris Sommers † / **Karen Ashby** † / **Ewelina Mutkowska** / **Ashli Desai** †
Biostimulatory & Biointegrity Amendments SAG
EOA, Inc. / Larry Walker Associates / County of Ventura / Larry Walker Associates

EPC At-Large Members

Paul Alva / **Fernando Villaluna**
Los Angeles County

Mark Grey † / **Kathryn Hubbard** †
Building Industry Association of Southern California

Daniel Rourke
Fresno Metropolitan Flood Control District

Kelly Moran †
TDC Environmental, LLC

Fred Krieger †
Consultant - NewsFlash

EPC Ex Officio Members

Jeff Endicott †
CASC Engineering and Consulting

Sandy Mathews **†
Larry Walker Associates

Chris Crompton
County of Orange

Scott Taylor †
Michael Baker International

Richard Boon *
Riverside County Flood Control and Water Conservation District

Gerhardt Hubner †
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Jill Bicknell *
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Lisa Austin †
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