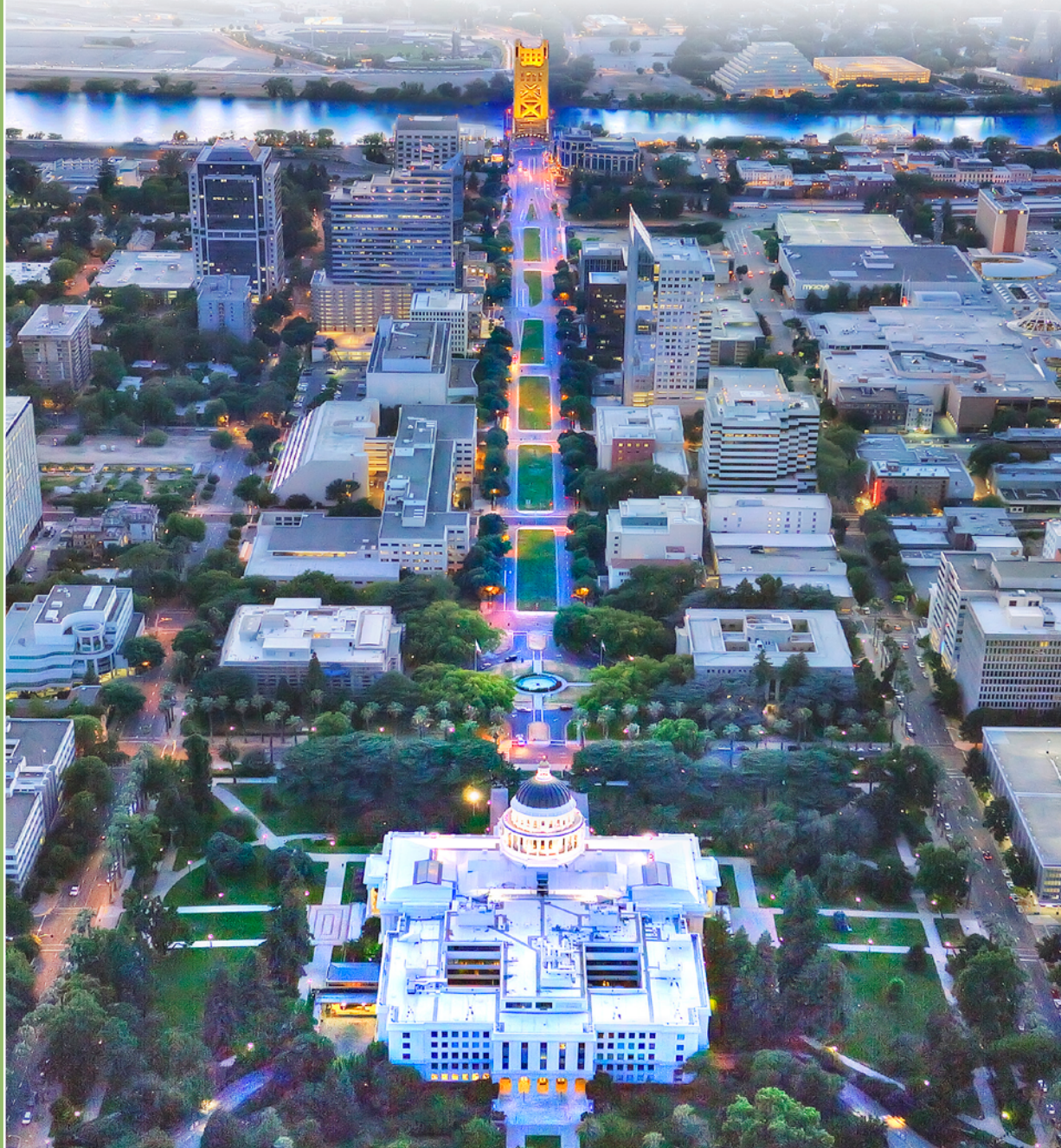




# 2017 CASQA ANNUAL REPORT: BUILDING BRIDGES FOR WATER



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Jill Bicknell  
CASQA Chair

## 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 Regulatory Program Update” meeting in Sacramento. In May, we held our second general meeting in Ontario with the theme “Stormwater Smorgasbord: Funding, TMDLs & Trash Implementation, & Latest on Bacteria.” In September, we convened again in Sacramento, for our largest and most successful CASQA conference ever! Finally, in November, we held our second webcast-only general meeting on the topic of “Public and Private LID / Green Infrastructure: BMP Operation & Maintenance.” We collaborated successfully at both the state and national level, working with State Water Board staff on several Strategy to Optimize Resource Management of Stormwater (Storm Water Strategy or STORMS) projects, and became a charter

member of the National Municipal Stormwater Alliance (NMSA). In September, we welcomed Karen Cowan as our first Assistant Executive Director, further strengthening the services that CASQA provides to our membership. I am very happy to report that CASQA is financially sound and stable, our membership is growing, and I am proud of our significant accomplishments in 2017 described in this annual report.

## CASQA’s Vision and Strategic Plan for Managing Stormwater in the 21st Century

In early 2015, CASQA completed its “Vision and Strategic Actions for Managing Stormwater in the 21st Century,” which continued to serve as CASQA’s roadmap for objectives, projects, and actions through 2017. CASQA’s vision is to “manage stormwater as a vital component of California’s water resources in a sustainable manner, to support human and ecological needs, to protect water quality, and to enhance and restore our waterways.”

“I am very happy to report that CASQA is financially sound and stable, our membership is growing, and I am proud of our significant accomplishments in 2017 described in this annual report.”

When the Vision was initially approved, the CASQA Board of Directors explicitly acknowledged and intended for the Vision to be a living document, requiring periodic updates to incorporate the most up-to-date information and knowledge for stormwater management. Since the Vision was initially developed, there have been several significant advancements related to stormwater, including the State Water Board’s STORMS initiative, the passage of SB 231, and the Governor’s Water Action Plan (a roadmap for the first five years of the state’s journey toward sustainable water management). Therefore, in 2017, the Vision Committee worked with CASQA’s Executive Director to incorporate these key advancements into CASQA’s Vision.

In reviewing the updated Vision, CASQA’s Board of Directors recognized the need to develop a stronger and more streamlined connection between the Vision and the development process for CASQA’s annual objectives. By making some key process modifications to the documents, the Vision will now drive the

development of each year’s objectives and therefore the projects that are funded through the Executive Program Committee (EPC). Implementing these changes will allow the Vision and annual objectives to function more as an implementation strategy and not just as aspirational documents. The intention is that by implementing this strategy over time, the Vision will become a reality.

The updated CASQA Vision document was approved by the Board of Directors in December 2017 and is available on CASQA’s website at [www.casqa.org/news-library/public-documents](http://www.casqa.org/news-library/public-documents). We plan to present the revised Vision during the Annual Meeting in January 2018 and continue further outreach efforts throughout 2018.

## Stormwater Funding (SB 231)

Assisting local agencies with stormwater funding is one of the highest priority objectives for CASQA. In 2017, CASQA advocated for the passage of SB 231, legislation providing legal clarity under Proposition 218 that the definition of sewer includes storm sewers. This bill was only the second time in CASQA’s history when the organization actively advocated for legislation (the first being SB 346 – copper in brake pads – in 2009-2010). It was signed by the Governor on October 6, 2017 and became effective on January 1, 2018.

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CASQA is a member of the newly formed SB 231 Implementation Working Group, a coalition expected to include Senator Hertzberg's office and the Water Foundation (sponsors of the legislation) as well as the League of California Cities, California State Association of Counties, environmental non-governmental organizations, and others.

The purpose of the Working Group is to develop and implement a strategy to try to ensure that agencies use the funding option provided by SB 231 appropriately and avoid engendering lawsuits that could set legal precedents unfavorable to the needs of stormwater programs.

### National Coordination

To further support the Vision of CASQA, in 2017, CASQA became a charter member of the National Municipal Stormwater Alliance. NMSA is a recently formed 501(c)(3) organization comprised of state and regional groups, focused specifically on Municipal Separate Storm Sewer System (MS4) issues. Their vision is to help communities tackle stormwater challenges to provide clean water for the nation, and aligns closely with CASQA's Vision. NMSA strives to:

- Represent MS4 permittees at the national level by providing a unified voice
- Lead changes in regulation both proactively and reactively
- Connect and unite MS4 programs

- Promote stormwater as a resource
- Improve public understanding and engagement in stormwater solutions
- Create opportunities for multi-benefit and multi-use stormwater projects

More information is available on their website – [www.nationalstormwateralliance.org](http://www.nationalstormwateralliance.org)

### Statewide Coordination

CASQA continues to work proactively and productively with the State Water Board. The following four initiatives highlight key efforts in 2017:

**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 is a key member. 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.

"The STORMS program is advised by an Implementation Committee, of which CASQA is a key member."

**Joint Powers Authority (JPA):** Prompted by needs and opportunities for collaboration coming out of the STORMS program, CASQA renewed efforts to establish a JPA between the State Water Board and two initial signatory agencies, Fresno Metropolitan Flood Control District and Alameda County Flood Control and Water Conservation District. The JPA would provide a vehicle for state and local agencies to not only work together on key projects, but to facilitate funding for the implementation of projects. Specifically, the JPA would allow for collective funding and collaboration on stormwater efforts, support and provide research services, and develop tools to assist public and private entities in complying with municipal, industrial, and construction stormwater permits. The signatory agencies would form the JPA Board of Directors and CASQA would be contracted by the JPA to provide administrative services.

**Trash Amendments:** In 2017, CASQA worked closely with the State Water Board staff as they developed a list of multi-benefit treatment control Best Management Practices (BMPs) that are considered full capture systems, as long as they meet certain design criteria. There are a few key technical issues remaining and CASQA will continue to provide comments and solutions in 2018.

**Urban Pesticide Reduction:** The State Water Board is developing the Urban Pesticide Amendments to the Ocean Plan and Inland Surface Waters, Enclosed Bays, and Estuaries 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 California Department of Pesticide Regulation's (DPR's) more effective, proactive regulation of pesticides. In 2017, CASQA worked closely with the State Water Board on this important effort.

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## 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 2017, see Appendix B on page 23.

- 2014-2016 303(d) List
- Bacteria Policy and Variance Policy
- Biostimulatory / Biological Integrity project
- Industrial General Permit Amendments
- Mercury Objectives and Beneficial Uses
- Permit Fees
- Pesticides Registrations / Re-evaluations (U.S. Environmental Protection Agency [EPA], California Department of Pesticide Regulation)
- Phase II Small MS4 Permit Amendments
- Sediment Quality Objectives Amendments
- STORMS Stormwater Strategy and Projects
- Trash Amendments
- Waters of the U.S. Rule (EPA)

## CASQA Work Product Approvals

This past year the Board approved a number of work products including:

**White Paper: *Spatial Stream Networks (SSNs): Models to Estimate the Spatial Representativeness of Bioassessment Samples (Monitoring and Science Subcommittee):***

This White Paper, available to CASQA members only, evaluates the spatial variability of bioassessment monitoring to determine the distances that stream condition values could be extrapolated beyond observations.

**Pesticides Subcommittee FY 16–17 Annual Report (Pesticides Subcommittee):**

This annual report, available to CASQA members only, provides focused information on efforts to prevent pesticide pollution in urban waterways.

## CASQA 13th Annual Conference

The CASQA Annual Conference was held September 25–27, 2017 in Sacramento. Once again, the CASQA Annual Conference proved its reputation as the premier forum for information, data and technical exchange, and networking on stormwater. We continued to break attendance records, with this conference attracting nearly 1,200 participants over the 3-day conference.

This year’s conference theme, “CASQA in the Capital: Building Bridges for Water,” was explored in various ways through the workshops and technical sessions – from the



evolution of watershed-scale implementation in stormwater permits, to identifying ways to work with other water managers in wastewater, water supply, and groundwater management, to an international discussion of Low Impact Development (LID) that was webcast to China and featured real-time translation. Other workshops and sessions helped us keep up with the latest techniques and approaches as well as improve the core elements of our programs.

Our keynote speaker this year was Kamyar Guivetchi, Division of Statewide Integrated Water Management, California Department of Water Resources. Mr. Guivetchi explored our conference theme by providing insight into the ways water management can move forward through integrated approaches.

## Assistant Executive Director

As stormwater management has grown over the years, so too have the needs of our membership. Therefore, in September, we welcomed Karen Cowan as our first Assistant Executive Director. The addition of an Assistant Executive Director will expand the work that CASQA can accomplish and further strengthen the services that CASQA provides to our membership. The Assistant Executive Director will support our Executive Director, Geoff Brosseau, in the day-to-day management of CASQA, provide additional resources to help set and achieve our Vision, and help to grow CASQA as an organization.

It’s been my pleasure to be your Chair for the past year. I want to thank all our CASQA members, volunteers, subcommittees, Executive Program Committee, and directors for your dedication, hard work, and commitment this past year towards better stormwater management and stewardship. As I hand over the reins to our new Chair, Daniel Apt, I look forward to another year of progress towards achieving our objectives and Vision for managing stormwater in the 21st century!

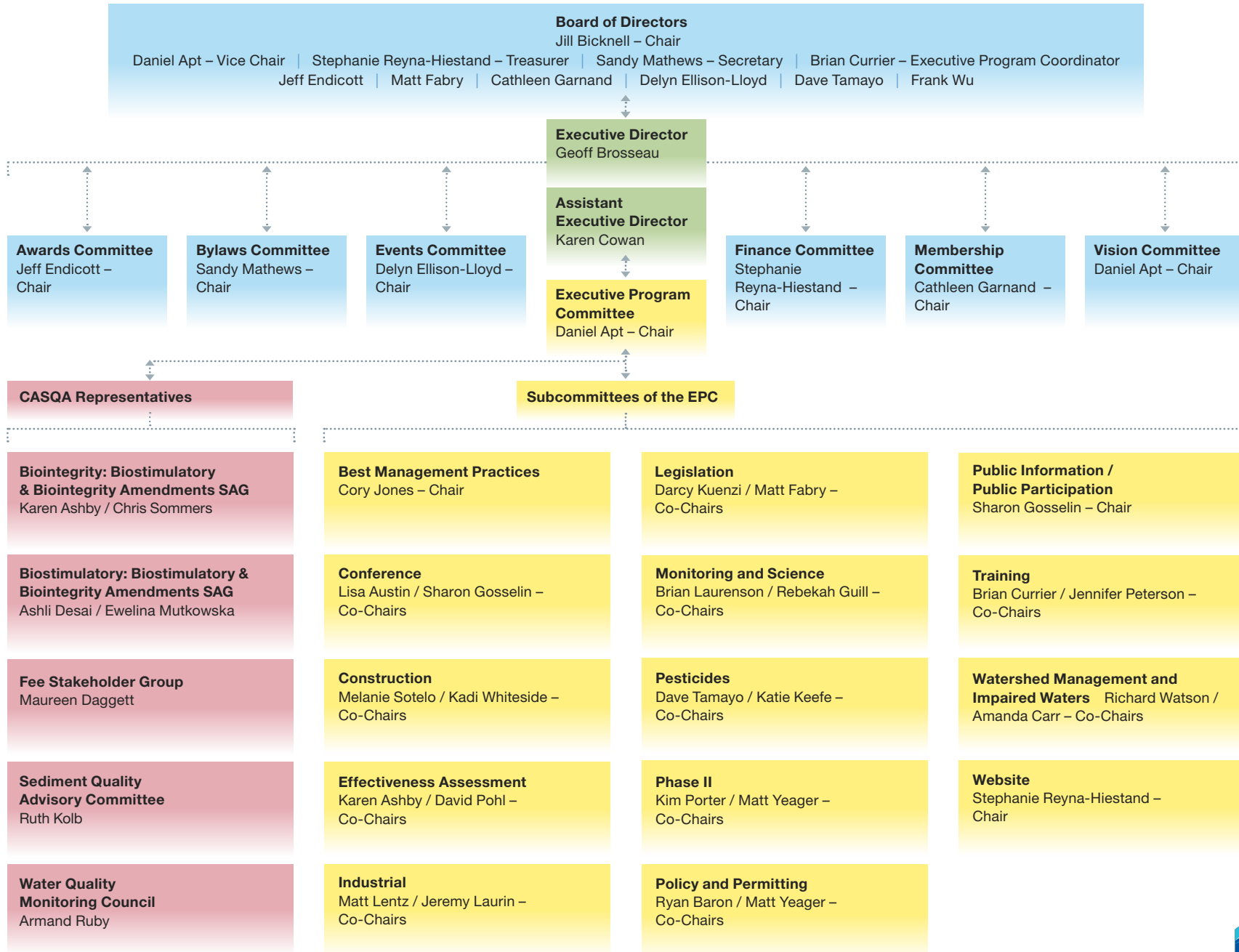
**Jill Bicknell**  
CASQA Chair







# 2017 ORGANIZATIONAL STRUCTURE



## SUBCOMMITTEE ACCOMPLISHMENTS

Following are brief reports from the 14 subcommittees of the EPC for 2017:

### BMPs Subcommittee

**Cory Jones, Chair**

The Best Management Practices Subcommittee continued to provide contemporary information for stormwater practitioners on BMPs, site design strategies, and water quality and quantity measures through the CASQA BMP Online Handbooks and web portals. In 2017, the BMPs Subcommittee:

- Oversaw the overhaul of the *New Development & Redevelopment BMP Handbook*, and the annual updating of the *Construction BMP Online Handbook* and *Industrial & Commercial BMP Online Handbook*.
- Assisted the Conference Subcommittee with administration of a BMP track of speakers at the CASQA Annual Conference in Sacramento, including topics covering implementation and benefits of LID and Green Infrastructure, implementation of innovative BMPs, BMP performance, and project financing challenges.
- Continued dialogue with the State Water Board regarding the Board's information sheet descriptions of full capture system BMPs addressing the Trash Amendments.

- Began holding brief topical presentations within the subcommittee's monthly conference calls to spur additional dialogue on topics such as a green alley pilot monitoring project in San Jose and discussion of a white paper relaying updated design specifications for porous pavement systems based on a number of studies that have been performed across the state.

The handbook updates were a significant effort and will be available to handbook subscribers in early 2018.

### Conference Subcommittee

**Sharon Gosselin and Lisa Austin, Co-Chairs**

Each year the CASQA Conference Subcommittee takes on the Herculean effort of planning a world-class conference for stormwater professionals. From selecting a destination and theme through finalizing the program and reviewing evaluations, there are a lot of moving parts. Organizing and planning is year-round. CASQA's conferences

are exceptional because of the time and effort given by the members of the CASQA Conference Subcommittee, longtime and new.

This year was no exception...The CASQA 13th Annual Conference was held in Sacramento on September 25–27, 2017 at the Sacramento Convention Center. The theme this year, "CASQA in the Capital: Building Bridges for Water," inspired program workshops and presentations that looked at the broader issues of water management and highlighted integrated and innovative water planning processes, including national and international efforts.

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"CASQA's conferences are exceptional because of the time and effort given by the members of the CASQA Conference Subcommittee, longtime and new."



Above: CASQA Conference plenary session

Left: Mr. Zhang Linwei, Deputy Chief of the Division of Urban Construction, the Ministry of Housing and Urban-Rural Development of the People's Republic of China, shares an international perspective during the CASQA Conference

SHARE KNOWLEDGE



Monday offered several inspiring full-day and half-day workshops including Watershed-Based Permits, Sustainable Stormwater Development, BMP/Trash Design, and much more. The International Low Impact Development workshop was held in cooperation with the World Future Council and featured speakers showcasing their projects in China, Australia, Canada, New Zealand, and Chile.

Tuesday's plenary session began with a welcome address from CASQA's Chair, Jill Bicknell who gave a special recognition to Mr. Zhang Linwei, deputy chief of the Division of Urban Construction, the Ministry of Housing and Urban-Rural Development of the People's Republic of China. Jeff Endicott, Chair of CASQA's Award Committee, announced the 2017 CASQA Award recipients. Recipients presented their award-winning projects in presentations during the conference or as one of the many posters exhibited at the conference poster session. Karen Ashby, the Conference Exhibitor Coordinator, announced the 2017 CASQA Exhibitor Award recipients being recognized

for their longtime involvement with CASQA. Sandy Mathews, a past award winner, presented this year's CASQA Leadership Award to Chris Crompton. To wrap-up the plenary session, Kamyar Guivetchi, of the California Department of Water Resources' Division of Statewide Integrated Water Resource gave a thought provoking talk entitled, "A Roadmap for Integrated Water Management."

Tuesday and Wednesday's concurrent technical sessions offered attendees nearly 100 interesting and informative talks, panels, and forums on a wide variety of relevant topics. The exhibitor hall was a constant buzz with exhibitors and attendees engaging in discussion and demonstrations of the latest information, design, and research in the world of stormwater.

Networking is an important part of the CASQA conference and this year CASQA did not disappoint! With Sunday's new member welcoming, Monday's networking event at Cafeteria 15L, and Tuesday's exhibitor reception, conference attendees had plenty of opportunity to network with colleagues and friends while enjoying delicious food and tasty libations including an ice sculpture of the Sacramento's Tower Bridge.

Thank you to all of the members of the CASQA Conference Subcommittee for another incredible annual conference!

**Chris Crompton accepting the 2017 CASQA Leadership Award**



**Construction Subcommittee**

**Melanie Sotelo and Kadi Whiteside, Co-Chairs**

The Construction Subcommittee is an active forum for CASQA members and industry professionals to share information on Construction General Permit (CGP) implementation and challenges. Additionally, the Subcommittee tracks and discusses changes in state and federal policy and regulations. In 2017, bi-monthly meetings were well attended by CASQA members and industry professionals seeking to improve their understanding of permit implementation and the varying interpretation by the

Regional Water Boards. Subcommittee meetings featured discussions with regulators to discuss common deficiencies observed during the Notice of Termination process for construction sites. Subcommittee members also served in liaison roles to other CASQA subcommittees (BMP Handbook, Training, etc.), and initiated outreach to external organizations with similar interests

(for example, Western Chapter – International Erosion Control Association and the State Water Board's CGP Training Team). Construction Subcommittee members were instrumental in providing review and input on Construction BMP Handbook updates and provided continual support to the BMPs Subcommittee during the Handbook updating process. The Construction Subcommittee is gearing up for the release of the State's Draft Construction General Permit in 2018, and will be providing review and input during the permit reissuance process. *(continued on next page)*

INSPIRE



## Effectiveness Assessment Subcommittee

*Karen Ashby and David Pohl, Co-Chairs*

During 2017, the Effectiveness Assessment (EA) Subcommittee initiated the development of guidance and identification of tools for evaluating source contributions for the project “Assistance with the Review and Evaluation of Source Contribution Tools and Methodologies.” The key accomplishments are listed below:

- In 2016 the EA Subcommittee released an RFQ seeking more detailed guidance to assist program managers in evaluating the pollutant and flow contributions of various source types (residences, commercial businesses, industrial businesses, construction sites, etc.).
- In 2017, the project was initiated and is being coordinated with the Best Management Practices Subcommittee and the Watershed Management and Impaired Waters Subcommittee. As a first step, a survey was developed and distributed to the CASQA membership. The survey asked a series of questions about the current methods/tools that stormwater programs use to evaluate source contributions, which source contributions they were most interested in evaluating, and what additional information would be most useful for their programs. The results of the survey were compiled and distributed to the EA Subcommittee and will be posted on the CASQA website in 2018.

- In 2018 the project will summarize the information obtained through the survey and other one-on-one interviews and compile it in a way so that it will provide a user friendly interface.
- Once this project is complete, the information / tools will be made available through the [EA web portal](#) portion of the CASQA website.

## Industrial Subcommittee

*Jeremy Laurin and Matt Lentz, Co-Chairs*

This year, the Industrial Subcommittee continued to focus on implementation challenges under the Industrial General Permit (IGP). In 2017, many industrial permittees entered “Level 2” under “Exceedance Response Action” (ERA) provisions of the IGP, requiring preparation of detailed action plans by January 1, 2018. Subcommittee Co-Chairs organized sessions on the IGP at the CASQA Annual Conference, including a full-day workshop, which included engaging sessions on ERA compliance, stormwater treatment and regulator perspectives, followed by a full-day IGP technical track, focusing primarily on the upcoming amendment of the IGP to incorporate requirements based on 37 TMDLs, an initiative that has been long in development. In addition to the CASQA Annual Conference tracks, the Subcommittee Co-Chairs participated in a number of State Water Board stakeholder meetings focused on the anticipated IGP TMDL re-opener and provided comments to the State Water Board on options discussed

CASQA works closely with the State Water Board to remove barriers and support policies that promote stormwater as a valuable resource

at the stakeholder meetings. The IGP re-opener and amendments have potential for significant impact on industrial permittees and the Industrial Subcommittee secured funding to support comprehensive review and comments on the amendments. Subcommittee members participated in the State Water Board public workshop in December 2017, and will be working diligently in early 2018 to support permittees in review, dissemination of information, and commenting in permit amendments. The Subcommittee also launched projects on atmospheric deposition and facilitated work groups on a number of topics of interest to Subcommittee members. Membership and monthly call participation continued to increase in 2017.

## Legislation Subcommittee

*Darcy Kuenzi and Matt Fabry, Co-Chairs*

Each year during the Legislative Session, the Legislation Subcommittee tracks bills and educates members on legislative and regulatory issues related to stormwater.

The 2017 session concluded with Governor Jerry Brown signing legislation that allows local agencies to finance stormwater



projects by clarifying the definition of “sewer” (SB 231). This legislation is a potentially important measure to local agencies looking for ways to effectively finance stormwater capture and management projects and comply with increasingly restrictive mandates.

Overall, 21 bills were tracked which resulted with 14 Inactive Bills, 1 Veto and 6 bills signed into law.

The CASQA Legislative Update is shared with other state organizations that take interest in stormwater issues and assist in educating water leaders and elected officials throughout the state.

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## Monitoring and Science Subcommittee

**Rebekah Guill and Brian Laurenson, Co-Chairs**

The Monitoring and Science Subcommittee hosted seminars on a variety of technical topics throughout the year, including the discussion of the proposed pesticide monitoring approach in the implementation of the STORMS Project 6a (Statewide Framework for Urban Pesticide Reduction), development of the Algal Stream Condition Index (ASCI), pulse toxicity testing, biostimulatory models and gradients, and bioassessment spatial representativeness. The Monitoring and Science Subcommittee completed a contract with the Southern California Coastal Water Research Project (SCCWRP) to develop a spatial network model to evaluate the representativeness of bioassessment data from site to site. A project report was completed and approved in early 2017. As part of this completed paper, a follow-up scope of work was developed to focus on the spatial representativeness of bioassessment data in engineered channels. That work could also support CASQA membership in evaluating the State Water Board's proposed Biostimulatory Substances Objective and Program to Implement Biological Integrity through development in 2017 and 2018. The Monitoring and Science Subcommittee looks forward to more technical seminars in 2018 and to further coordinate with other subcommittees and the CASQA membership.

## Pesticides Subcommittee

**Dave Tamayo and Katie Keefe, Co-Chairs**

The Pesticides Subcommittee continued its collaborative work with Water Board and California Department of Pesticide Regulation staff in the development of statewide Urban Pesticides Amendments aimed at reducing regulatory burdens on MS4s while institutionalizing effective pesticide regulations by DPR that will prevent and mitigate urban water quality impacts. The Subcommittee participated in stakeholder work groups and provided testimony and comment letters to the State Water Board during this process facilitating anticipated adoption of the Pesticide Amendments during 2018. Key components of the Amendments establish a statewide monitoring strategy, a reasonable suite of BMP requirements for MS4s, and the roles and responsibilities of the Water Boards and DPR.

The Subcommittee successfully worked with DPR to develop new fipronil application requirements implemented through updated, enforceable application instructions on new product labels, which will take effect in early 2018. At the federal level, the Subcommittee submitted eight comment letters to EPA requesting specific actions to alleviate water pollution and better integrate Clean Water Act and Federal Insecticide, Fungicide, and Rodenticide Act regulatory programs in a manner that addresses water toxicity and pesticide pollution impacts through source control measures. Letters and consultation with EPA staff included extensive engagement

on pyrethroids and continued toxicity impairments, pesticide risk assessment methodologies, and product registration reviews that effectively address urban runoff toxicity and water quality impacts.

The Subcommittee's activities and accomplishments are documented in detail in the *Pesticides Subcommittee Annual Report and Effectiveness Assessment 2016-2017*. This report also serves as a compliance submittal for a number of MS4s, as it demonstrates CASQA's extensive effort on their behalf to address pesticides.

## Phase II Subcommittee

**Kim Porter and Matt Yeager, Co-Chairs**

The Phase II Subcommittee continued to provide a forum to discuss issues of concern for traditional and non-traditional Phase II permittees. Subcommittee membership has grown and participation in monthly calls has been strong. Participants support implementation of each other's programs by sharing

case examples and approaches for addressing various provisions in the statewide Phase II Small MS4 General Permit (Permit).

This year, the Phase II Subcommittee followed the implementation of the Trash Amendments. Efforts included discussions with State Water Board staff on the 13383 Investigative Orders, visual trash assessments, and certified full-capture devices. These efforts provided Subcommittee members with advance notice and reduced uncertainty regarding these requirements.

In 2017, the State Water Board focused on the incorporation of TMDLs into the Permit and revision of Attachment G. The Phase II Subcommittee coordinated with the Policy and Permitting Subcommittee to develop and submit a comment letter in July and to provide testimony at the hearing in December. In 2018, the Subcommittee expects to begin discussions with the State Water Board staff on the upcoming reissuance of the Permit.

Unfunded mandates in California stormwater programs were also a key ongoing issue. In particular, discussions included evaluating how the test claim process could play out under the Permit, as well what documentation is required. The Phase II Subcommittee also followed SB 231 as it was developing and circulated letters of support for use by permittees. *(continued on next page)*



In 2017, CASQA's subcommittees worked with EPA, State Water Board, SCCWRP, DPR, and many others to facilitate solutions for stormwater quality

Additional topics for 2017 included ongoing dialogue with the State Water Board on the Storm Water Multiple Application and Report Tracking System and annual reporting; post-construction BMP requirements and tracking; Illicit Discharge Detection and Elimination program inventory and sampling; and various State Water Board initiatives that may impact Phase II permittees. The Subcommittee also supported the development of the Municipal Operations Training Videos, which are expected to be completed in early 2018.

### Policy and Permitting Subcommittee

**Ryan Baron and Matt Yeager, Co-Chairs**

The Policy and Permitting (P&P) Subcommittee had plenty of new and ongoing state and federal regulatory actions to work on in 2017, including supporting the development of testimony and comment letters for these State Water Board actions:

- Implementation of the Statewide Trash Amendments: The State and Regional Water Boards issued investigative Orders to all MS4 permittees statewide. The P&P Subcommittee provided updates and shared strategies on implementation approaches while CASQA representatives worked with State Water Board staff on the list of certified trash BMPs.
- Adoption of Statewide Mercury Water Quality Objectives (WQOs): this action created new beneficial use definitions and WQOs for aquatic life and human health.

- Adoption of the 2014–2016 Integrated Report/303(d) Lists for Regions 2, 4, and 8.
- Proposed Statewide Bacteria Provisions and Variance Policy: these regulatory actions would amend the Ocean and Inland Surface Waters Plans with a new risk protection level and new WQOs for bacterial indicators.

- Implementation of TMDLs in the Industrial General Permit: the P&P Subcommittee coordinated with the Industrial Subcommittee regarding proposed permit terms involving cooperative TMDL implementation with IGP and MS4 permittees.
- Incorporating TMDLs into the Statewide General Phase II MS4 Permit: the P&P Subcommittee coordinated with the Phase II Subcommittee regarding implications for traditional and non-traditional Phase II MS4s.

At the state level, the P&P Subcommittee provided updates on the progress of unfunded mandates test claims in the state, evaluated State and Regional Water Board resolutions and programs to address climate change (which will impact stormwater permits), and assisted in the development of a letter of support for SB 231.



At the federal level, the P&P Subcommittee followed federal rulemaking, and developed comment letters where appropriate, including (1) EPA's review of the Waters of the U.S. Rule – a fundamental, yet unresolved concern for MS4 Permit implementation, and (2) the proposed EPA criteria for aluminum.

### Public Information and Public Participation Subcommittee

**Sharon Gosselin, Chair**

The Public Information / Public Participation (PI/PP) Subcommittee provides a forum for people involved in stormwater public outreach to share stormwater related information, outreach products, program experiences, challenges, suggestions, and ideas. The first PI/PP Subcommittee meeting of 2018 will focus on re-examining the group's goals to help reset the course of the Subcommittee and to define objectives and tasks for the year.

### Training Subcommittee

**Brian Currier and Jennifer Peterson, Co-Chairs**

During this past year, the Training Subcommittee has been focused on putting together a series of short training videos that will help municipalities better understand and comply with the Phase II Small MS4 permit requirements. The videos are focused on housekeeping activities and cover such topics as Spill and Leak Cleanup, Concrete / Saw Cutting and Surface Cleaning and Pressure Washing. The Subcommittee plans to wrap up shooting of the videos by the end of the year so that CASQA can review them and help advertise their availability in 2018. The Subcommittee has also been discussing potential training ideas for Post-Construction BMP inspections and Operations Training, specifically on Green Infrastructure. This effort has included looking into partnerships with programs that have common goals with CASQA, such as the Bay Area Stormwater Management Agencies Association and the National Green Infrastructure Certification Program (sponsored by the San Francisco Public Utilities Commission, DC Water, the Water Environment Federation, Stormwater Institute, and others). Look for more information on this in the year to come!  
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Lastly, the Subcommittee continues to monitor and assess trends in the number of certifications for Qualified Stormwater Pollution Prevention Plan (SWPPP) Developers (QSDs), Qualified SWPPP Practitioners (QSPs), and Trainers of Record (ToRs) under the state's Construction General Permit and the number of Qualified Industrial Stormwater Practitioners (QISPs) and ToRs under the state's Industrial General Permit. The Subcommittee has been working with the State Water Board staff to keep ahead of any upcoming permit changes that may require additional training and frequently brainstorm topics for our quarterly meetings and that can be initiated through other CASQA subcommittees.

### Watershed Management and Impaired Waters Subcommittee

**Richard Watson and Amanda Carr, Co-Chairs**

In 2017, the Watershed Management and Impaired Waters Subcommittee continued its work toward improving water quality by promoting the development and application of appropriate water quality standards through tracking and commenting on 303d listings and policy and implementation of TMDLs, facilitating source control, and providing guidance on hydro-modification management.



The Watershed Management and Impaired Waters Subcommittee:

- Furthered the process of addressing zinc in tires by developing language for a petition to the Department of Toxic Substances Control (DTSC) to utilize its Safer Consumer Products Regulations to address zinc in tires, working with the State Water Board as the potential lead for the petition to DTSC, and meeting with representatives of the Rubber Manufacturers' Association, the International Zinc Association, State Water Board staff, and a State Water Board Member.
- Received regular updates on the implementation of SB 346 and other efforts to reduce copper in brake pads, selected the consultant for a project for promoting early transition to low copper brake pads, and refined the scope of the project.
- Tracked the evolution and adoption of the statewide trash amendments and the issuance of 13383 orders from the Water Boards that required municipalities to indicate whether they would comply via Track 1 (Full Capture Systems) or Track 2 (Source Controls / Full Capture Systems).
- Tracked and discussed new 303(d) listings and related issues, including the need for better science in stormwater regulations.
- Continued tracking proposed beneficial uses and their potential impacts for MS4s. New proposed beneficial uses could drive new, lower water quality objectives for some bioaccumulative pollutants.
- Received reports on the work of other CASQA committees and subcommittees, including the Pesticides Subcommittee, the BMP Subcommittee, the Policy and Permitting Subcommittee, and the Program Effectiveness Subcommittee, and supported their efforts, where applicable.

**Picture of success: SB 346 is driving a major reduction in the copper content of brake pads as shown by the number of brake pads on auto parts stores shelves now displaying the LeafMark™ symbol. Three solid black leaves or the “N” beneath means the pads contain less than 0.5% copper.**

- Received regular updates on the Statewide Bacteria Policy, including reporting to the group on comments sent by CASQA.
- Continued its partnership with the California Product Stewardship Council (CPSC) through regular updates on CPSC work. The Subcommittee will continue this relationship to reduce excess packaging (trash source control) in order to improve water quality.
- Discussed numerous additional policy issues, including: the mercury objectives and implementation plan from the draft staff report for Part 2 of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California; the Statewide Water Quality Standards Variance Policy; and standards for background concentrations.
- Tracked the status of TMDLs, permit renewals, and implementation issues across the state.
- Tracked the changes occurring at the federal level at EPA, as well as new executive orders from the Executive branch of the federal government that would impact regulators and the regulated community. *(continued on next page)*

photo by Geoff Brosseau

## Website Subcommittee

**Stephanie Reyna-Hiestand, Chair**

The CASQA website is continually updated so that it is the go-to place for CASQA information and stormwater resources. View the [home page announcements](#) for information and links for upcoming events, significant reports and presentations, and current postings of Request for Proposals (RFPs) and Request for Qualifications (RFQs).

The CASQA website is packed with stormwater information and resources that you may not have explored before, so under the home page announcements we added an item called, “Did You Know...?”. Here is where we will highlight website sections and pages on a rotating basis that you may not be aware of or can be found as you dig deeper into the website.

In 2017, we further developed the [California LID Portal](#). Updates were made to the LID Code Updates page, including the addition of the “LID Code” webinar developed by the Grant Project Team about the lessons learned and tips regarding removing barriers to LID in municipal codes. Website visitors can view the webinar on the website or download a PDF of the presentation. In addition, a Standard LID Design Plans & Specifications page was added to the portal to provide comprehensive updates to standard bioretention designs as well as pervious pavement details. These updates include modifications based

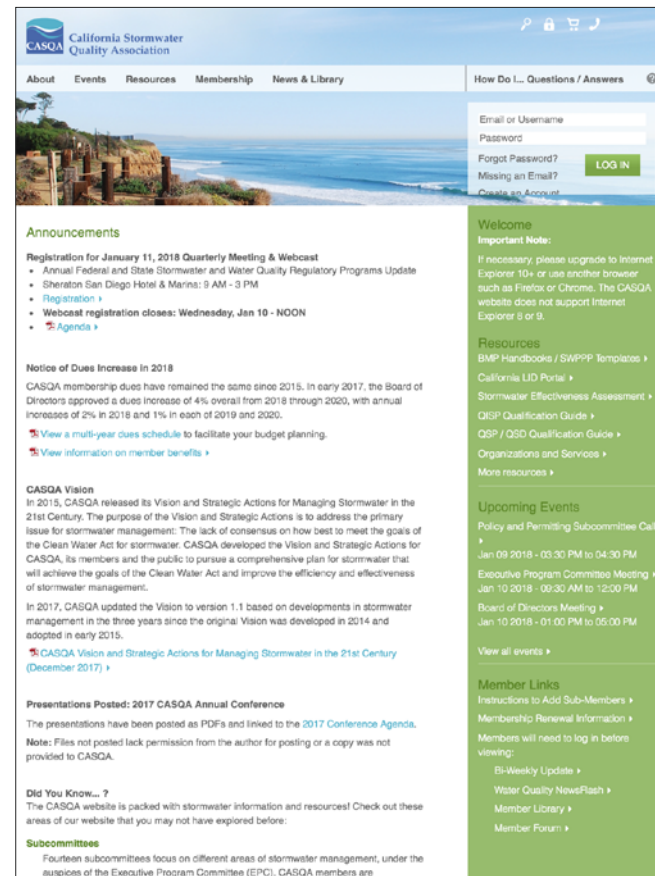
on structural capacity of adjacent land uses such as streets and parking lots and a comprehensive review and update from bioretention experts.

CASQA members who would like to get more involved may want to visit the [Subcommittees page](#) for descriptions of the 14 subcommittees that focus on different areas of stormwater management, under the auspices of the Executive Program Committee. CASQA members are encouraged to participate and are welcome to contact the Subcommittee Chair(s) to get involved (email links are provided).

The [News & Library](#) section offers areas for both CASQA members and non-members. The Member Library is a resource of work products produced by CASQA over a number of years; including annual, financial, and technical reports, bylaws, policies and procedures, comment letters, testimonies, Pesticides Regulatory Action Plans, and sample awards applications. CASQA members can also find the current and archived newsletters, *CASQA Bi-Weekly Update* and *CASQA Water Quality NewsFlash*. The material on the Public Documents page is accessible to both members and non-members.

Each year, CASQA recognizes exemplary leadership, outstanding projects, activities, and contributions to the field of stormwater quality management through the CASQA Awards Program. Winners from recent years are listed in the [Awards Program](#) section.

“The CASQA website is packed with stormwater information and resources that you may not have explored before, so under the home page announcements we added an item called, ‘Did You Know...?’”



View the [CASQA home page](#) for information and links for upcoming events, significant reports and presentations, and current postings of RFPs and RFQs

The following describes some of the initiatives that CASQA, in collaboration with others, has planned for 2018 to help our members and make progress towards the principles described in the CASQA Vision.

## CASQA'S VISION AND STRATEGIC ACTIONS

As detailed in the "Message from the CASQA Chair," CASQA's Vision was updated in 2017. This update not only resulted in an incorporation of new information, but also in a strategic implementation shift for CASQA. The Vision will now be the driver for establishing annual objectives and therefore the projects and initiatives undertaken by CASQA. The Vision is supported by the following three principles, with each principle including associated actions, goals, and objectives:

### Principle 1

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

### Principle 2

Policies, regulations, guidance, training, and funding need to support sustainable stormwater management.

### Principle 3

Public awareness, understanding, and appreciation of the value of stormwater is essential to sustainable stormwater management.

For 2018, 14 actions and 53 objectives have been identified to advance these three principles. A brief overview is shown, right. (See Appendix A, page 19, for the complete listing.) CASQA's Board of Directors, Executive Program Committee, and Subcommittees will engage in specific projects and initiatives to implement the actions and objectives, with a focus on the efforts detailed as follows:

## Stormwater Funding (Vision Action 2.7)

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

In 2018 CASQA will assist its members with their funding needs through the following activities:

- Development of a California-specific stormwater funding online portal that will include the CASQA stormwater funding white papers, 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.
- Assisting in the formation of a stormwater Joint Powers Authority with the State Water Board.
- Continued participation in the STORMS Funding Subcommittee.

## Overview of CASQA's Vision: Principles and Actions for 2018

### Principle 1

**Action 1.1** – Develop guidance for integrated management of water resources that promotes 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 pollutant source control.

**Action 1.4** – Work with DPR to control toxicity in receiving waters from pesticide application.

### Principle 2

**Action 2.1** – Clarify regulations.

**Action 2.2** – Articulate stormwater program priorities.

**Action 2.3** – Augment and implement basin plan amendment process.

**Action 2.4** – Develop policies and permitting framework to support sustainable stormwater management.

**Action 2.5** – Establish guidance / tools to support sustainable stormwater programs.

**Action 2.6** – Establish watershed-based or equivalent program.

**Action 2.7** – Create funding opportunities.

**Action 2.8** – Survey needs and identify costs.

### Principle 3

**Action 3.1** – Create opportunities for multiple agency and collaborative efforts to demonstrate the value of stormwater to the public.

**Action 3.2** – Create statewide message that establishes stormwater as a resource.

See Appendix A on page 19 for the complete listing, including Goals and Objectives

## Integrated Water Resources Management (Vision Action 1.1)

Stormwater is a valuable resource that should be managed in an integrated manner with other water resources. Capture and use of stormwater can augment water supplies either through capture and storage for direct use or recharge of groundwater aquifers. An evaluation of options for water resources in California, including stormwater, needs to be completed from a sustainability approach that includes economic, social, and environmental analysis and valuation. This type of evaluation

and integrated comparison of different water resources will identify which water resources in different regions of California are the most sustainable. To help achieve an integrated water resources management approach, CASQA will focus on the following objectives in 2018:

- Based on the STORMS Project 1a / 1b Report, develop recommendations for incentivizing stormwater use and removing constraints.  
*(continued on next page)*

- Work with the State Water Board and Department of Water Resources (DWR) to incorporate consideration of stormwater as a resource into development of new regulations and guidance where appropriate.
- Work with the State Water Board and DWR to establish a statewide goal for capturing stormwater and using it as a resource and a methodology for tracking stormwater captured.
- Evaluate how stormwater agencies can better collaborate with water districts and sanitation districts to implement integrated stormwater capture projects.

### True Source Control (Vision Action 1.3)

True Source Control is the starting place and offers another opportunity to achieve sustainable stormwater management. 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. Doing so will reduce resources spent on assessment, regulation, planning, and implementation of new stormwater management activities to address new impairments, which will free up resources to focus on existing impairments and enhancing stormwater programs. CASQA will continue to focus on

true source control activities to achieve sustainable stormwater management through:

- Providing the State Water Board with recommended actions to support pollutant source control consistent with STORMS Project 6b, Identify Opportunities for Source Control and Pollution Prevention.
- Working with the State Water Board, Department of Toxic Substances Control, and other agencies to support development of partnerships and collaboration and other actions identified in the technical reports to support pollutant source control.
- Responding to the immediate need to participate in EPA pyrethroids, fipronil, and imidacloprid reviews (the only such opportunity for the next 15 years) and to support and encourage DPR steps toward expanded pyrethroids and new fipronil mitigation measures.
- Seeking EPA risk mitigation for malathion and carbaryl in urban runoff and the continuation of traditional water quality risk assessments in tandem with Endangered Species Act (ESA) evaluations.
- Continuing to leverage successes at the state level as a key stakeholder in the development of statewide Water Quality Control Plan Amendments for urban pesticides reduction.



### 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., publicly owned treatment works [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. *(continued on next page)*

Photo: Jeff Endicott



## State Water Board's Stormwater Strategy

CASQA has been quite active in the STORMS Implementation Committee's first two years and looks forward to continuing to collaborate with the rest of the Committee as well as continue 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

CASQA's participation on the STORMS Implementation Committee will also help to shape the second phase of projects which are currently being scoped out.

## State Water Board Initiatives

The State Water Board will likely be making substantial progress and moving forward in 2018 on a number of statewide plan / policy initiatives, including (in alphabetical order):

- Bacteria water quality objectives for ocean and inland surface waters
- Biostimulatory / Biological Integrity project
- Comprehensive Response to Climate Change
- Construction General Permit reissuance, plus incorporation of TMDL implementation requirements
- Enforcement Policy Amendments
- Industrial General Permit Amendments – incorporation of TMDL implementation requirements
- Mercury water quality objectives and implementation plan
- Open Data Initiative
- Phase II Small MS4 Permit incorporation of TMDL implementation requirements
- Sediment Quality Objectives for Enclosed Bays and Estuaries
- Toxicity Amendments to the Inland Surface Waters, Enclosed Bays, and Estuaries Plan
- Trash Amendments – implementation requirements and guidance

“Collaboration is a core component of CASQA’s approach as an organization and a key service to the CASQA membership.”

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 *CASQA Bi-Weekly Update* and *CASQA 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 2018. This engagement will include overarching collaboration as well as the following:

- MS4 Permit Workshops: EPA Region 9 is holding a series of two workshops to examine permit design and discuss lessons learned from 25+ years of permit implementation. The first workshop, “MS4 Permit Evolution” was held in December 2017. The second workshop, “MS4 Permit Monitoring and Reporting” will be held in early 2018. CASQA will participate in both workshops and 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

As detailed in the “Message from the CASQA Chair,” CASQA is a founding member of NMSA, a national level organization working towards the advancement of stormwater management. NSMA 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 2018, CASQA will continue to support NSMA'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., the National Green Infrastructure Certification Program).  
*(continued on next page)*



“CASQA invites your participation through the appropriate CASQA subcommittee or CASQA representative.”

### CASQA'S ORGANIZATIONAL EFFORTS

CASQA continues to be successful based upon the strong support, engagement, and volunteer efforts of the CASQA membership. There are several key CASQA efforts that will continue to be a focus for 2018.

### CASQA's Annual Conference

The 2018 CASQA Annual Conference will be held at the Riverside Convention Center on October 15–17, 2018. As demonstrated by the 13th Annual Conference in Sacramento in 2017, 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 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

For 2018, CASQA's Board of Directors will be considering how the organization can better serve its members. One example is examining how CASQA engages its members throughout the year. CASQA has in the past held three quarterly General Meetings in different parts of the state, in addition to the Annual Conference, which include presentations on various topics of interest. In the past couple of years CASQA has held a webcast in place of one of the in-person general meetings. In 2018, CASQA's Events Committee (formed in 2017) will evaluate if this approach continues to be effective and will look to identify other opportunities to educate and engage the CASQA membership.

One of the best ways for members to become involved in CASQA is by participating in one of our 14 subcommittees (see page 7 of this Annual Report). 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 2018 and to continue to advance stormwater quality management and achieving the CASQA Vision.

**Daniel Apt**  
*CASQA Chair-Elect*

SEE YOU IN 2018!

The 2018 CASQA Annual Conference will be held on October 15–17 in Riverside, CA



photo Courtesy of the City of Riverside

**PRINCIPLES, ACTIONS, GOALS, AND OBJECTIVES FOR 2018**

The following table provides CASQA's Vision at-a-glance, including the Principles, Actions, Goals, and Objectives identified for 2018. The full CASQA Vision document, as well the complete text for each Objective, are available at [www.casqa.org/news-library/public-documents](http://www.casqa.org/news-library/public-documents)



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

**Action 1.1** – Develop guidance for integrated management of water resources that promotes stormwater as a resource.

**Goal** – Develop guidance for IRWMPs and similar efforts that integrates all of California's water resources to achieve optimum use while protecting the beneficial uses of receiving waters.

(IRWMPs) **Objective 1** – Meetings with State Water Board, DWR, and others as appropriate. Develop strategy to incorporate stormwater management into IRWMPs.

(SGMA) **Objective 1** – Meetings with State Water Board, DWR, and GSAs as appropriate. Identify actions to coordinate with DWR and State Water Board and a schedule of implementation.

**Action 1.2** – Identify constraints and opportunities for maximizing stormwater as a resource.

**Goal** – Identify existing constraints and opportunities to incentivize use of stormwater as a natural resource.

**Objective 1** – Survey and technical memorandum identifying constraints.

**Objective 2** – Recommendations for incentivizing stormwater use and removing constraints.

**Objective 3** – Work with State Water Board and DWR to incorporate consideration of stormwater as a resource in future regulations and establish a statewide goal.

**Action 1.3** – Provide effective and efficient solutions through true pollutant source control.

**Goal** – Develop a list of pollutants in stormwater that should most appropriately be controlled at the source (true source control). Determine the commercial use of each pollutant, and outline a recommended source control approach.

**Objectives 1-2** – Technical report(s) on pollutant sources and controls.

**Objective 3** – Coordination with State Water Board, DTSC, and EPA.

**Action 1.4** – Work with DPR to control toxicity in receiving waters from pesticide application.

**Goal** – Develop a regulatory system implemented by EPA OPP and California DPR to identify whether urban uses of a pesticide pose a threat to water quality, and then restrict or disallow those uses proactively so that water quality impacts are avoided.

**Objective 1** – Registration reviews and mitigation measures.

**Objective 2** – Risk mitigations, and water quality assessments and ESA evaluations.

**Objective 3** – Amendments adoption.



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

**Action 2.1** – Clarify regulations.

**Goal** – Propose rulemaking or legislation that clarifies stormwater as non-point source, and clearly outlines expectations of stormwater as different from wastewater and other point sources.

**Objective 1** – Confer with national organizations and develop legislative strategy.

**Action 2.2** – Articulate stormwater program priorities.

**Goal** – Ensure the most critical water quality issues associated with stormwater are identified and corresponding strategies developed to address the issues.

**Objective 1** – Identify a mechanism to address high priority issues.

**Objective 2** – Engage stakeholders to prioritize issues.

**Objective 3** – Identify high priorities to more issues.

**Objective 4** – Develop strategies for identified issues through a collaborative process.

**Objective 5** – Develop and deliver comments and testimony.

**Action 2.3** – Augment and implement basin plan amendment process.

**Goal** – Modify water quality standards to reflect sustainable beneficial uses and the nature and impact of stormwater.

**Objective 1** – Initiate basin planning statewide.

**Objective 2** – Develop 13241 assessment.

**Objective 4** – Amend basin plans.

**Action 2.4** – Develop policies and permitting framework to support sustainable stormwater management.

**Goal** – Develop a regulatory framework for stormwater that will provide statewide consistency in permitting and TMDL implementation and support the implementation of sustainable stormwater programs. Provide definitions and requirements as needed to clarify expectations for MS4 programs. Ensure that the framework is implemented statewide.

**Objective 1** – Identify constraints.

**Objective 2** – Define MEP and RWL compliance strategies, and TMDL implementation; Define any additional priorities.

**Objective 3** – Develop baseline monitoring requirements.

**Objective 5** – Incorporate adaptive management as compliance pathway.

<b>Action 2.5 – Establish guidance / tools to support sustainable stormwater programs.</b>	
<b>Goal – Ensure technical and regulatory guidance is provided to support sustainable stormwater programs.</b>	
	<b>Objective 1 – Update BMP Handbooks.</b>
	<b>Objective 2 – Guidance for regulatory priorities.</b>
	<b>Objective 3 – Improve / Revise Program Effectiveness Manual.</b>
	<b>Objective 4 – Develop case studies.</b>
	<b>Objective 5 – Develop and host events.</b>
	<b>Objective 6 – Create and host information places.</b>
	<b>Objective 7 – Create and provide training.</b>
<b>Action 2.6 – Establish watershed-based or equivalent program.</b>	
<b>Goal – Develop process for implementing watershed-based approaches for the MS4 program.</b>	
	<b>Objective 1 – Conduct assessment of watershed programs.</b>
	<b>Objective 2 – Incorporate watershed planning into permits.</b>
	<b>Objective 3 – Create opportunities for regional solutions.</b>
	<b>Objective 4 – Create pollutant trading network.</b>
<b>Action 2.7 – Create funding opportunities.</b>	
<b>Goal – Assist with the development and dissemination of the strategy to use one or more funding options for municipalities to support their stormwater programs to completely or partially eliminate reliance on general funds.</b>	
<b>(SB 231 Implementation)</b>	<b>Objective 1 – Participate in the SB 231 Implementation Working Group developing the strategy.</b>
	<b>Objective 2 – Develop and disseminate information about the strategy and its implementation.</b>
<b>(Joint Powers Authority)</b>	<b>Objective 1 – Assist with formation of JPA.</b>
	<b>Objective 2 – Assist with administration of first JPA project.</b>
<b>(Funding Information Online Portal)</b>	<b>Objective 1 – Develop in collaboration with State Water Board a stormwater funding information online portal.</b>
<b>(Sustainable Streets)</b>	<b>Objective 1 – Update Proposition 1 Stormwater Grant Guidance.</b>
	<b>Objective 2 – Clarify green infrastructure eligibility in the local streets and roads program.</b>
	<b>Objective 3 – Prepare guidance for packaging projects.</b>







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*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)

For more information on CASQA Directors, Staff and Committees, please visit our [Board and Committees](#) page on the CASQA website.

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