



BACWA Annual Report

Fiscal Year 2019/2020

As water quality regulation becomes increasingly complex and stringent, BACWA provides technical expertise and a venue for collaboration to its membership, and a public utility perspective to negotiations and partnerships with regulators. With over forty Publicly Owned Treatment Works (POTWs) and more than a hundred collection systems in the San Francisco Bay (SF Bay) region, BACWA provides a needed forum for effective coordination to ensure good science-based regulations and continued water quality improvements throughout the Bay Area.

The clean water community's focus has shifted rapidly from industrial pollutant reduction to renewable resource generation, climate change mitigation and adaptation, and understanding the potential impacts of emerging contaminants on the aquatic ecosystem. Concurrently, tightening, and sometimes conflicting, air quality and biosolids management regulations are increasing cross-media challenges. Nutrient science and policy continue to be a major focus for BACWA. Member dues and fees support BACWA's goal of ensuring that nutrient regulations are well-supported by science and that any necessary reductions in nutrient loading will be equitable and lead to quantifiable improvements in water quality. Even as the issues change, BACWA continues to offer the services to our members and the public that have garnered the organization much respect and success.

Below is a list of BACWA's accomplishments over the previous fiscal year.

List of Accomplishments

Nutrient Activities – see [BACWA Nutrient Webpage](#)

- Submitted Scoping and Evaluation Plans for the [Nature Based Systems Studies](#), and the [Recycled Water Evaluation](#) required by the 2nd Watershed Permit, adopted on May 8, 2019.
- Worked with HDR and SFEI to complete a 'Request for Information' for the Nature Based Systems Studies and the Recycled Water Evaluation.
- Submitted the Annual Update to the Nutrient Management Strategy Science Plan.
- Submitted the [Group Nutrient Annual Report](#), using the new water year reporting period (October 1 through September 30), in compliance with the 2nd Nutrient Watershed Permit.
- Committed to accelerated science funding and funded \$2.4M in scientific studies and program coordination overseen by the Steering Committee for the Nutrient Management Strategy (NMS).
- Participated in the Nutrient Management Strategy Steering Committee and Planning Subcommittee governing the scientific studies.
- Participated in the Nutrient Technical Workgroup.



Permit Compliance Activities

- Continue funding [risk reduction work](#) via a grant program in compliance with the 2017 Mercury and PCB Watershed Permit.
- Prepared a [letter](#) to the Regional Water Board, on behalf of our members demonstrating compliance with special studies required by NPDES permits.
- Reported participation in the Alternate Monitoring Plan, and contributions to the Regional Monitoring Program to the Regional Water Board.
- Worked with members to submit the Land Application of Biosolids Annual Report to the Solano County Board of Supervisors.

Regulatory Advocacy

- Conducted regular bimonthly meetings with Regional Water Board staff to discuss regulatory issues of interest to the BACWA community.
- Worked with the Regional Water Board to revise the instantaneous chlorine residual effluent limit in the Basin Plan.
- Kept in communication with the Regional Water Board and Bay Area Air Quality Management District regarding operational, compliance, and enforcement challenges related to the COVID-19 public health emergency.
- Secured legal review of enforcement provisions for State Water Board's proposed ELAP regulations.
- Worked with POTWs statewide to respond to common issues, such as the State Water Board's proposed Toxicity Provisions, newly adopted ELAP Regulations, CECs science and regulation, proposed mandate to eliminate costal discharges, sewer exfiltration, and the Sanitary Sewer Systems Waste Discharge Requirements reissuance.
- Worked with Regional Water Board and State Water Board staff to ensure a smooth transition of the R2-1996-011 recycled water permittees to the State General Order; the transition was completed in April 2020.
- Collaborated with SFEI to measure background enterococcus levels in the SF Bay to be used in effluent limit calculations in members' permits. The [report](#) was finalized in June 2020.
- Worked with Regional Water Board, SFEI, and members to develop Regional POTW jurisdictional map.
- Worked to strengthen relationship with the Bay Area Air Quality Management District and collaborate in Rule development impacting POTWs.
- Provided the following [comment letters](#), including letters submitted jointly with other Associations:
 - *Letters to State Water Board*
 - Comments on California Water Resilience Portfolio Initiative – 9-30-19
 - Comments on the Proposed Environmental Laboratory Accreditation Program (ELAP) Regulations – 12-20-19



- Comments on Appendices J and K to the Draft Staff Report of the Draft Toxicity Provisions – 02-10-20
- Comments on Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion – 06-01-20
- *Letters to BAAQMD*
 - Feedback to inform the development of Regulation 13, and Rules 2, 3, and 4. – 10-24-19
 - Letter on the Revised Proposed Rule 13-2 (Organic Material Handling Operations) – 03-06-2020
- *Letters to EPA*
 - Comments on Endangered Species Risk Assessment Process for Biological Evaluations of Pesticides – 08-15-19
 - Zinc and Zinc Salts Registration Review – Proposed Interim Decision (antimicrobials used in pools, spas, and hot tubs) – 09-30-19
 - Comments on the Draft National Water Reuse Action Plan (with CVCWA) – 12-16-19
 - Comment on the Preliminary Registration Review Work Plan for Methoprene – 03-24-20
- *Letters to Other Legislative Bodies and Regulatory Entities:*
 - *US Senate and House of Representatives:* Support Letter for Federal Wipes Legislation (Coalition Letter) – 11-21-19
 - *California Ocean Protection Council:* Comments on Strategic Plan to Protect California’s Coast and Ocean 2020-2025 (Coalition Letter) – 12-13-19
 - *California Department of Toxic Substances Control:* Letter of Support for Listing Carpets and Rugs Containing Perfluoroalkyl or Polyfluoroalkyl Substance as a Priority Product (Coalition Letter) – 05-15-20

Member communication and educational opportunities

- Conducted routine communication with our membership through the Annual Meeting and Monthly Board meetings.
- Published the monthly [BACWA Bulletin](#).
- Maintained BACWA [website](#) to improve usability and access to documents.
- Provided three updates to the BACWA [Regulatory Issues summary matrix](#).
- Provided support to the informal group, Managers Roundtable, to help provide an ongoing forum for Bay Area general managers and directors to convene and discuss issues of mutual concern as well as share information and experiences.
- Maintained continuity through the COVID-19 public health emergency, by switching to teleconference only meetings.
- Provided coordination between POTWs and researchers for Wastewater Epidemiology related to SARS-CoV-2 monitoring.



- Kept members apprised on COVID-19 resources for wastewater professionals through regular updates on available webinars, published research, collaboration opportunities, and updates from CWEA, CASA, WEF, CDC, and other regional and national organizations.
- Collaborated with CWEA to issue Continuing Education Units (CEUs) to members who attend committee meetings with a strong education component (mostly through technical presentations at BAPPG, Collection Systems, and Laboratory Committee meetings).

Support Educational, Research, Advocacy Efforts, and Programs of Special Benefit

- Conducted regional outreach campaigns related to flushable wipes, pharmaceutical disposal, pesticides in toxic flea and tick control, and Fats, Oils, and Grease (FOG). Flushable wipes campaign was especially important in Spring 2020 at the onset of the COVID-19 public health emergency. A community advisory notice on this topic was issued in April 2020 and the campaign was also featured in the Mercury News.
- Provided funding for the California Product Stewardship Council and the Product Stewardship Institute.
- Provided funding for the Reinventing the Nation’s Urban Water Infrastructure (ReNUWIt), an interdisciplinary, multi-institution research center whose goal is to change the ways in which we manage urban water.
- Provided funding for the EPA’s Water Reuse Action Plan to “Support Local and Regional Reuse Projects by Identifying Challenges, Opportunities, and Models for interagency Collaboration” (Action Item 2.2.16).
- Provided administrative assistance for member agency funding of Wastewater Operator Training courses offered through Solano Community College.
- Provided administrative and contract support for the Bay Area Biosolids Coalition

External Representation and Collaboration

- Provided representation at external groups such as:
 - Risk Management Plan (RMP) Technical Review Committee
 - RMP Steering Committee
 - Aquatic Science Center (ASC)/SFEI Governing Board
 - San Francisco Bay Nutrient Governance Steering Committee
 - San Francisco Bay Nutrient Technical Workgroup
 - State Water Resources Control Board (SWRCB) Nutrient Stakeholder advisory group
 - SWRCB Bacterial Objectives stakeholder group
 - SWRCB Mercury Amendments to the State Plan stakeholder group
 - Summit Partners
 - Bay Area Integrated Regional Water Management Plan (BAIRWMP)
 - National Association of Clean Water Agencies (NACWA) Emerging Contaminants
 - California Association of Sanitation Agencies (CASA) State Legislative Committee
 - CASA Regulatory Workgroup



- ReNUWIt
- RMP Microplastics Workgroup
- Bay Area Regional Reliability Task Force
- Association of Water Technologies (AWT) Certification Committee
- WaterReuse Workgroup on Recycled Water Policy
- San Francisco Estuary Partnership
- California Product Stewardship Coalition
- Ocean Protection Council
- Bay Area Climate Adaptation Network
- One Water Network
- Coastal Hazards Adaptation Resiliency Group

Grant Efforts

- Managed Administration of Proposition 84, Round 1, grant funds.
- Supported member agencies and partner organizations in grant applications for nutrient and biosolids treatment projects, and wetlands projects.

BACWA Staffing

In FY20, BACWA completed recruitments for the Executive Director and Assistant Executive Director positions upon the retirement of David Williams and Lorrie O’Neill. BACWA welcomed Lorien Fono and Jennifer Dymant as they fill those respective roles and work with the BACWA Executive Board to envision BACWA’s role as we move into the next decade.

BACWA Committees

Support for BACWA’s committees is a key means for BACWA to ensure communication between our members and to formulate positions on emerging issues that accurately reflect the needs of our membership. BACWA maintains the following active committees:

- Air Issues and Regulations (AIR)
- Bay Area Pollution Prevention Group – see BAPPG 2019 Annual Report
- Collection Systems
- Laboratory
- Operations/Maintenance Infoshare
- Permits
- Pretreatment
- Recycled Water



Financial Report

<u><i>BACWA FY20 BUDGET</i></u>	<u><i>Line Item Description</i></u>	<u><i>FY 2020 Budget</i></u>	<u><i>Actuals June 2020</i></u>	<u><i>Actual % of Budget June 2020</i></u>	<u><i>Variance</i></u>
<u><i>REVENUES & FUNDING</i></u>					
Dues	Principals' Contributions	\$506,774	\$506,775	100.00%	\$1
	Associate & Affiliate Contributions	\$184,111	\$185,712	101%	\$1601
Fees	Clean Bay Collaborative	\$675,000	\$674,250	100%	-\$750
	Nutrient Surcharge	\$1,700,000	\$1,700,00	100%	\$0
	Member Voluntary Nutrient Contributions	\$0	\$0		\$0
Other Receipts	AIR Non-Member	\$6,936	\$6,936	100%	\$0
	BAPPG Non-Members	\$3,876	\$3,876	100%	\$0
	Other	\$0	\$2,500		\$2,500
Fund Transfer	Special Program Admin Fees	\$5,100	\$9,117	179%	\$4017
Interest Income	LAIF	\$20,000	\$52,827	264%	32,827
	Higher Yield Investments	\$18,000	\$1,588	9%	-\$16,413
	Total Revenue	\$3,119,797	\$3,143,631	100.76%	\$23,834



<u>BACWA FY20</u> <u>BUDGET</u>	<u>Line Item Description</u>	<u>FY 2020</u> <u>Budget</u>	<u>Actuals</u> <u>June 2020</u>	<u>Actual %</u> <u>of Budget</u> <u>June 2020</u>	<u>Variance</u>
<u>EXPENSES</u>					
Labor					
	Executive Director	\$207,531	\$200,226	96%	-\$7,305
	Assistant Executive Director	\$100,907	\$62,140	62%	-\$38,767
	Regulatory Program Manager	\$137,727	\$131,857	96%	-\$5,870
	Total	\$446,165	\$394,223	88%	-\$51,942
Administration					
	EBMUD Financial Services	\$41,616	\$29,028	70%	-\$12,588
	Auditing Services	\$5,240	\$8,740	167%	\$3,500
	Administrative Expenses	\$7,803	\$3,490	45%	-\$4,313
	Insurance	\$4,682	\$4,696	100%	\$14
	Total	\$59,341	\$45,954	77%	-\$13,387
Meetings					
	EB Meetings	\$2,601	\$1,552	60%	-\$1,049
	Annual Meeting	\$12,000	\$13,928	116%	\$1,928
	Pardee	\$6,242	\$5,835	93%	-\$407
	Misc. Meetings	\$5,202	\$765	15%	-\$4,437
	Total	\$26,045	\$22,080	85%	-\$3,965
Communication					
	Website Hosting	\$600	\$600	100%	\$0
	File Storage	\$750	\$720	96%	-\$30
	Website Development/Maintenance	\$1,500	\$618	41%	-\$882
	IT Support (As Needed)	\$2,600	\$637	25%	-\$1,963
	Other Communication	\$1,750	\$680	39%	-\$1,070
	Total	\$7,200	\$3,255	45%	-\$3,945



Legal					
	Regulatory Support	\$2,653	\$3,652	138%	\$999
	Executive Board Support	\$2,133	\$6,518	306%	\$4,385
	Total	\$4,786	\$10,170	212%	\$5,384
Committees					
	AIR	\$76,000	\$61,681	81%	-\$14,319
	BAPPG	\$100,000	\$118,719	119%	\$18,719
	Biosolids Committee	\$1,000	\$0	0%	-\$1,000
	Collections System	\$1,000	\$0	0%	-\$1,000
	InfoShare Groups	\$1,000	\$1,110	110%	\$100
	Laboratory Committee	\$1000	\$0	0%	-\$1000
	Permits Committee	\$1,300	\$569	44%	-\$731
	Pretreatment	\$2,00	\$3,402	170%	\$1,402
	Recycled Water Committee	\$1,000	\$0	0%	-\$1000
	Misc Committee Support	\$45,000	\$13,327	30%	-\$31,673
	Manager's Roundtable	\$1,000	\$372	37%	-\$628
	Total	\$230,300	\$199,170	86%	-\$31,130
Collaboratives					
	State of the Estuary (SFEP-biennial)	\$0	\$0	0%	\$0
	Arleen Navarret Award	\$2,500	\$1,923	77%	-\$577
	FWQC (Fred Andes)	\$7,500	\$0	0%	-\$7,500
	Stanford ERC (ReNUWIIt)	\$10,000	\$10,000	100%	\$0
	Misc	\$5,000	\$3,100	62%	-\$1,900
	Total	\$25,000	\$15,023	60%	-\$9,977
Other					
	Unbudgeted Items				
	Other	\$0	\$25,000		\$25,000
	Total	\$0	\$25,000		\$25,000



Technical Support					
	Nutrients				
	Watershed	\$2,000,000	\$2,400,000	120%	\$400,000
	NMS Voluntary Contributions	\$0	\$0	0%	\$0
	Additional work under permit	\$100,000	\$50,298	50%	-\$49,702
	Regional Study on Non-Gray Scape	\$500,000	\$64,080	13%	-\$435,920
	Member Voluntary Nutrient Contributions	\$0	\$0		\$0
	Nutrient Workshop(s)	\$0	\$0	0%	\$0
	General Tech Support	\$52,020	\$45,950	88%	-\$6,070
	Risk Reduction	\$20,000	\$12,500	63%	-\$7,500
	Total	\$2,672,020	\$2,572,828	96%	-\$99,192
	TOTAL EXPENSES	\$3,470,857	\$3,287,703	94.72%	-\$183,154
	NET INCOME BEFORE TRANSFERS	-\$351,060	-\$144,072		
	TRANSFERS FROM RESERVES	\$351,060	\$144,072		
	NET INCOME AFTER TRANSFERS	\$0	\$0		

List of BACWA Members as of June 30, 2020

Principals

- East Bay Municipal Utility District
- East Bay Dischargers Authority
- Castro Valley Sanitary District
- City of Hayward
- City of San Leandro
- Oro Loma Sanitary District
- Union Sanitary District
- San Francisco Public Utilities Commission
- Central Contra Costa Sanitary District
- City of San Jose



Associates

Central Marin Sanitation Agency
City of Livermore
City of Palo Alto
City of Sunnyvale
Delta Diablo
Dublin-San Ramon Services District
Fairfield Suisun Sewer District
Napa Sanitation District
Silicon Valley Clean Water
San Mateo Wastewater Treatment Plant
South San Francisco
Vallejo Flood & Wastewater
West County Agency

Affiliates

City of Alameda
City American Canyon
City of Albany
City of Antioch
City of Belmont
City of Benicia
City of Berkeley
City of Brisbane
City of Burlingame
City of Calistoga
City of Crockett
City of Fairfield
City of Millbrae
City of Milpitas
City of Mountain View
City of Petaluma
City of Piedmont
City of Pleasanton
City of Redwood City
City of Richmond
City of San Bruno
City of San Carlos
City of St. Helena
Cupertino Sanitary District
Las Gallinas Valley Sanitary District
Mt. View Sanitary District
North San Mateo Sanitation District
Novato Sanitary District
City of Pacifica
Pinole/ Hercules Wastewater Treatment Plant
Rodeo Sanitary District
San Francisco International Airport
San Mateo County, Department of Public Works
Sanitary District of Marin County No. 1
Sanitary District of Marin No. 2
Sanitary District of Marin No. 5
Sausalito/Marin City Sanitary District
Sewer Authority Mid-Coastside
Sewerage Agency of Southern Marin
Sonoma County Water Agency
Stege Sanitary District
Tamalpais Community Services District
Treasure Island
West Bay Sanitary District
West Valley Sanitation District
Yountville