



BACWA Annual Report

Fiscal Year 2016/17

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 forty POTWs and more than a hundred collection systems in the San Francisco Bay region, BACWA provides a necessary mechanism for effective coordination to ensure good regulation and continued water quality improvements throughout the Bay Area.

The clean water community's focus is now shifting rapidly from toxic pollutant reduction to renewable resource generation; and understanding the potential impacts micro-constituents, compounds detected at often miniscule levels that may present human health or environmental concerns. Concurrently, tightening, and sometimes conflicting, air quality regulations are increasing cross-media challenges. Nutrient science and policy continues to be a major focus for BACWA. Member contributions will continue to support BACWA's goal of ensuring that any future 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 agency 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](#)

- BACWA and the Nutrient Contract Management Group completed the following tasks associated with the Nutrient Optimization and Upgrade Studies:
 - Participated in monthly conference calls and reviewed invoices to track consultant's progress of the Nutrient Optimization and Upgrade Studies
 - Attended site visits along with the consultant team to identify optimization, sidestream treatment, and upgrade opportunities at individual facilities
 - Finalized the format and assumptions used to develop treatment alternatives for individual facilities
 - Hosted a second workshop to discuss Facility Reports with member agencies
 - Submitted Nutrient Optimization and Upgrade Studies Progress Update to the Regional Water board in compliance with the Nutrient Watershed Permit
 - Distributed questionnaires about CIP projects and recycled water to agency points of contact, and collected data
- Submitted Science Plan Progress Update to the Regional Water Board in compliance with the Nutrient Watershed Permit
- Submitted [second Nutrient Annual Report](#) in compliance with the Nutrient Watershed Permit
- Developed data worksheet to collect nutrient monitoring data for future Annual Reports
- Funded \$880K in scientific studies and Nutrient Management Strategy program coordination



- Participated in the Nutrient Management Strategy Steering Committee and Planning Subcommittee governing the scientific studies
- Participated in the Nutrient Technical Workgroup
- Submitted third-party [critique](#) on Scientific Basis to Assess the Effects of Nutrients on San Francisco Bay Beneficial Use.
- Updated the [Layperson's Nutrient Presentation](#)
- Provided a forum for proponents of emerging technologies for nutrient removal to reach members to collaborate for piloting opportunities.
- Continued to hold BACWA Nutrient Strategy Team meetings to discuss the Nutrient Watershed Permit reissuance
- Worked with Regional Water Board to develop agreement about tenets of second Nutrient Watershed Permit.

Permit Compliance Activities

- Continued funding [risk reduction work](#) in compliance with the Mercury and PCB Watershed Permit.
- Prepared a [letter](#) to the Regional Water Board, on behalf of our members, demonstrating compliance with special studies requirements in NPDES permits.
- Reported participation in the Alternate Monitoring Plan, and contributions to the Regional Monitoring Program to the Regional Water Board.

Regulatory Advocacy

- Conducted regular bimonthly meetings with Regional Water Board staff to discuss regulatory issues of interest to the BACWA community.
- BAAQMD Rule 11-18 – Held meetings with BAAQMD staff and BACWA member Agency Staff to discuss how to revise proposed Rule 11-18 to make it workable for POTWs to comply in a realistic timeline.
- EPA Selenium Criteria – Met with Water Board and EPA staff to present data informing development of Selenium Criteria for the SF Bay and Delta.
- Worked with POTWs Statewide to respond to common issues, such as the State Water Board's updated Enforcement Policy and the new Tribal and Subsistence Fishing Beneficial Uses.
- State Toxicity Plan – Met with State Water Board staff to discuss Staff Draft of Toxicity Plan, released in April 2017.
- Joined CVCWA, SCAP, and NACWA in lawsuit against EPA for requiring the use of the Test of Significant Toxicity, an unpromulgated statistical method.
- Provided the following [comment letters](#):
 - Letters to EPA
 - EPA's proposed Selenium Criteria for SF Bay and Delta, 10-28-16
 - EPA Nutrient Questionnaire, 11-18-16
 - Letters to State Water Board
 - State Water Board Enforcement Policy request for stakeholder involvement, 09-09-16



- State Enforcement Policy Update, 10-18-16
- Proposed changes to ELAP, 10-20-16
- Proposed Collaboration on Toxicity Testing Laboratory Study, 10-26-16
- State Water Board draft “Making Conservation a Way of Life”, 12-19-16
- State Water Board New Beneficial Uses and Mercury Objectives, 02-17-17
- State Water Board Climate Change Resolution, 03-03-17
- State Enforcement Policy Update revisions, 03-03-17
- State Revolving Fund intended Use Plan, 5-22-17
- Letters to San Francisco Bay Regional Water Board
 - Field pH Monitoring, 02-16-17
 - City of Pacifica Tentative Order – Toxicity Limits, 02-17-17
 - CCCSD Tentative Order – nutrient requirements, 03-06-17
 - 303(d) list update, 03-13-17
 - EBDA Tentative Order – Chlorine Residual Permitting, 04-03-17
- Letters to BAAQMD
 - BAAQMD Rule 11-18 - 12-2-16
 - BAAQMD Clean Air Plan, 3-9-17
 - AIR Report on POTW Planning and Project Implementation to BAAQMD, 04-04-17
 - BAAQMD Regulation 2 Rules 1, 2 and 6, 06-26-17
- Pesticides Regulatory Letters
 - Lithium Hypochlorite Registration Review 09-09-16
 - Spinetoram reregistration, 11-18-16
 - Copper Compounds Reregistration, 11-18-16
 - Pyrethroids reregistration comment period extension, 12-2-16
 - Pesticides – Evaluation of Existing regulations, 5-15-17

Communication with members

- Conducted routine communication with our membership through the Annual Meeting and Monthly Board meetings.
- Published the monthly [BACWA Bulletin](#)
- Conducted the first BACWA Biosolids survey
- Updated [Sewer Rate Survey](#)
- Maintained BACWA [website](#) to improve usability and access to documents
- Updated the BACWA [Regulatory Issues summary matrix](#)
- Provided support to the informal group, Managers RoundTable, to help provide an on-going forum for Bay Area general managers and directors to convene and discuss issue of mutual concern as well as share information and experiences.

Support Educational, Research, and Advocacy Efforts

- Conducted regional outreach campaigns related to flushable wipes, copper, pharmaceutical disposal, household hazardous waste, building demolition, and FOG



- 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 Federal Water Quality Coalition to represent BACWA on national issues
- Provided administrative assistance for member agency funding of Wastewater Operator Training courses offered through Solano Community College
- Gave input to SFEI on the Microplastic Monitoring and Science Strategy for San Francisco Bay
- Coordinated with SFEI to arrange CEC sampling by volunteer member agencies, and administered contract with analytical laboratory
- Produced [White Paper](#) to explain impact of BAAQMD Proposed Rule 11-18 on members

External Representation and Collaboration

- Provided representation at external groups such as:
 - RMP Technical Review Committee
 - RMP Steering Committee
 - ASC/SFEI Governing Board
 - San Francisco Bay Nutrient Governance Steering Committee
 - San Francisco Bay Nutrient Technical Workgroup
 - SWRCB Nutrient Stakeholder advisory group
 - SWRCB Bacterial Objectives stakeholder group
 - SWRCB Mercury Amendments to the State Plan stakeholder group
 - Summit Partners
 - BAIRWMP
 - NACWA Emerging Contaminants
 - CASA State Legislative Committee
 - CASA Regulatory Workgroup
 - ReNUWIt
 - RMP Microplastics Science Strategy Liaison
 - Bay Area Regional Reliability Task Force
 - AWT Certification Committee
 - WateReuse Workgroup on Recycled Water Policy
 - San Francisco Estuary Partnership

Grant Efforts

- Managed Administration of Proposition 84, Round 1, grant funds
- Participated in EBMUD’s EPA nutrient sidestream treatment grant research activities, including work to develop a Nutrient Trading Framework for the San Francisco Bay
- Worked on revisions for joint proposal, with Santa Clara Valley Water District, and researchers at SFEI, Stanford, and UC Berkeley, to study treatment of reverse osmosis concentrate



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:

- Asset Management Infoshare
- Bay Area Pollution Prevention Group – see [BAPPG 2016 Annual Report](#)
- Biosolids
- Collection Systems
- Laboratory
- Operations/Maintenance Infoshare
- Permits
- Pretreatment
- Recycled Water



BACWA
BAY AREA
CLEAN WATER
AGENCIES

BACWA Financial Report



BACWA
BAY AREA
CLEAN WATER
AGENCIES

BACWA
FY 2017 Budget
Approved 4/15/16

100% of Fiscal Year

<i>BACWA FY17 BUDGET</i>	<i>Line Item Description</i>	<i>FY 2017 Budget</i>	<i>Actuals June 2017</i>	<i>Actual % of Budget June 2017</i>	<i>Variance</i>
REVENUES & FUNDING					
Dues	Principals' Contributions	\$477,544	\$477,545	100%	\$1
	Associate & Affiliate Contributions	\$175,072	\$176,850	101%	\$1,778
Fees	Clean Bay Collaborative	\$675,000	\$675,000	100%	\$0
	Nutrient Surcharge	\$800,000	\$800,133	100%	\$133
	Voluntary Nutrient Contributions	\$0	\$285,000		\$285,000
	Other	\$0	\$67,650		\$67,650
Other Receipts	AIR Non-Member	\$6,350	\$6,350	100%	\$0
	BAPPG Non-Members	\$3,700	\$3,699	100%	-\$1
	Other	\$0	\$13,698		\$13,698
Fund Transfer	Special Program Admin Fees	\$2,500	\$14,075	563%	\$11,575
Interest Income	Funds	\$4,000	\$17,391	435%	\$13,391
	Investments	\$0	\$3,906		\$3,906
	Total Revenue	\$2,144,166	\$2,541,297	119%	\$397,131
BACWA FY16 BUDGET					
	<i>Line Item Description</i>	<i>FY 2017 Budget</i>	<i>Actuals June 2017</i>	<i>Actual % of Budget June 2017</i>	<i>Variance</i>
EXPENSES					
Labor					
	Executive Director	\$189,370	\$189,370	100%	\$0
	Assistant Executive Director	\$85,000	\$84,991	100%	-\$9
	Regulatory Program Manager	\$112,500	\$94,770	84%	-\$17,730
	Total	\$386,870	\$369,131	95%	-\$17,739
Administration					
	EBMUD Financial Services	\$40,000	\$38,020	95%	-\$1,980
	Auditing Services (Maze)	\$6,200	\$6,200	100%	\$0
	Administrative Expenses	\$7,500	\$4,807	64%	-\$2,693
	Insurance	\$4,500	\$4,266	95%	-\$234
	Total	\$58,200	\$53,293	92%	-\$4,907
Meetings					
	EB Meetings	\$2,500	\$1,678	67%	-\$822
	Annual Meeting	\$7,000	\$7,127	102%	\$127
	Pardee	\$6,000	\$4,421	74%	-\$1,579
	Misc. Meetings	\$1,100	\$5,607	510%	\$4,507
	Total	\$16,600	\$18,833	113%	\$2,233
Communication					
	Website Hosting (Computer Courage)	\$600	\$600	100%	\$0
	File Storage (Box.net)	\$750	\$720	96%	-\$30
	Website Development/Maintenance	\$1,200	\$0	0%	-\$1,200
	IT Support (As Needed)	\$2,600	\$383	15%	-\$2,217
	Other Communication (MS, SM & Code42)	\$800	\$1,008	126%	\$208
	Total	\$5,950	\$2,711	46%	-\$3,239



BACWA
BAY AREA
CLEAN WATER
AGENCIES

EXPENSES					
Legal					
	Regulatory Support	\$2,500	\$498	20%	-\$2,002
	Executive Board Support	\$2,000	\$0	0%	-\$2,000
	Total	\$4,500	\$498	11%	-\$4,002
Committees					
	AIR	\$50,000	\$51,038	102%	\$1,038
	BAPPG	\$86,000	\$85,732	100%	-\$268
	Biosolids Committee	\$3,100	\$1,952	63%	-\$1,148
	Collections System	\$1,000	\$300	30%	-\$700
	InfoShare Groups	\$1,200	\$1,071	89%	-\$129
	Laboratory Committee	\$6,000	\$2,641	44%	-\$3,359
	Permit Committee	\$1,000	\$0	0%	-\$1,000
	Pretreatment	\$7,000	\$181	3%	-\$6,819
	Recycled Water Committee	\$1,000	\$0	0%	-\$1,000
	Misc Committee Support	\$35,000	\$21,668	62%	-\$13,332
	Total	\$191,300	\$164,583	86%	-\$26,717
Collaboratives					
	Collaboratives				
	State of the Estuary-PSSEP (biennial)	\$20,000	\$20,000	100%	\$0
	Arleen Navarret Award	\$0	\$0		\$0
	FWQC (Fred Andes)	\$7,500	\$7,500	100%	\$0
	Stanford ERC (ReNUWit)	\$10,000	\$10,000	100%	\$0
	CWCCG	\$0	\$0		\$0
	Misc	\$3,000	\$0	0%	-\$3,000
	Total	\$40,500	\$37,500	93%	-\$3,000
Other	Unbudgeted Items				
	Passthrough	\$0	\$44,550		-\$44,550
	Transfer	\$0	\$13,698		-\$13,698
		\$0	\$58,248		-\$13,698
Tech Support	Technical Support				
	Nutrients				
	Watershed	\$880,000	\$880,000	100%	\$0
	Additional work under permit	\$50,000	\$17,367	35%	-\$32,633
	Opt/Upgrade/Annual Reporting Studies	\$18,128	\$275,570	1520%	\$257,442
	Nutrient Program Coordination	\$50,000	\$0	0%	-\$50,000
	Voluntary Nutrient Contributions	\$0	\$285,000		\$285,000
	General Tech Support	\$50,000	\$23,273	47%	-\$26,727
	Chemicals of Concern	\$15,000	\$15,000	100%	\$0
	Risk Reduction	\$32,500	\$21,246	65%	-\$11,254
	Total	\$1,095,628	\$1,517,456	139%	\$421,828
	TOTAL EXPENSES	\$1,799,548	\$2,222,253	123%	\$422,705
	NET INCOME BEFORE TRANSFERS	\$344,618	\$319,044		
	TRANSFERS FROM RESERVES	\$0	\$0		
	NET INCOME AFTER TRANSFERS	\$344,618	\$319,044		

Financial Notes:

Miscellaneous Meetings: Underbudgeted in FY17 – should have included CASA, NACWA, Toxicity Workshop.

Opt/Upgrade: Overbudgeted in FY16, underbudgeted in FY17 to correct.

Unbudgeted Items: Pharmaceutical Studies Passthrough and transfer of AIR Fund balance to BACWA Fund.



List of BACWA Members as of June 30, 2017

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 Sanitation District
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 Sanitation and Flood Control District
West County Agency

Affiliates

City of Alameda	City of Petaluma
City American Canyon	City of Piedmont
City of Albany	City of Pleasanton
City of Antioch	City of Redwood City
City of Belmont	City of Richmond
City of Benicia	City of San Bruno
City of Berkeley	City of San Carlos
City of Brisbane	City of St. Helena
City of Burlingame	Cupertino Sanitary District
City of Calistoga	Las Gallinas Valley Sanitary District
City of Crockett	Mt. View Sanitary District
City of Fairfield	North San Mateo Sanitation District
City of Millbrae	Novato Sanitary District
City of Milpitas	Pacifica
City of Mountain View	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