



BACWA Annual Report

Fiscal Year 2015

As water quality regulation becomes increasingly complex and stringent, BACWA provides technical expertise and financial support to its membership and a public utility perspective to negotiations and collaborations 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 of micro-constituents, compounds detected at often miniscule levels that may present human health or environmental concerns. 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 are a list of BACWA's accomplishments over the previous fiscal year.

List of Accomplishments, Fiscal Year 2015

Nutrient Activities

- BACWA Nutrient Contract Management Group completed the following tasks:
 - Reviewed proposals, conducted interviews and hired a consultant team to perform the Nutrient Optimization and Upgrade Studies and Annual Reports required by the Nutrient Watershed Permit
 - Participated in monthly conference calls and invoices to track progress of the Nutrient Optimization and Upgrade Studies
 - Attended site visits along with the consultant team to identify optimization, sidestream treatment, and upgrade
 - Reviewed project documents such as the facility questionnaire, as well as the Scoping and Evaluation Plan
- Submitted Nutrient Optimization and Upgrade Studies Scoping and Evaluation Plan to the Regional Water Board in compliance with the Nutrient Watershed Permit
- Arranged additional sidestream sampling and analysis for 32 POTWs, funded through an EPA grant
- Working with SFEI, submitted the Science Plan to the Regional Water Board in compliance with the Nutrient Watershed Permit
- Funded \$880K in scientific studies and governance support
- Participated in the Steering Committee governing the scientific studies and its Planning Subcommittee



- Participated in the Nutrient Technical Workgroup
- Hosted a Symposium on Nutrient Watershed Case Studies
- Held a special meeting for members to discuss strategy for the 2019 Nutrient Watershed Permit reissuance

Permit Compliance Activities

- Issued an RFP, convened a selection committee, and awarded two risk reduction grants for \$25K each, to community based organizations in compliance with the mercury/PCB watershed permit requirement. The risk reduction projects will be conducted over the next two fiscal years.
- Prepared a letter to the Regional Water Board, on behalf of our members, demonstrating compliance with special studies requirements in NPDES permits

Regulatory Advocacy

- Reviewed Regional Water Board efforts to develop selenium objectives for North and South San Francisco Bay selenium TMDLs
- Met with Regional Water Board staff to discuss change in dry weather discharge prohibition dates for North Bay POTWs
- Met with BAAQMD staff to discuss air regulations impacting POTWs
- Met with BAAQMD Board member to discuss resource recovery initiatives
- Joined SCAP and CASA to file a petition to the State Water Board in protest of toxicity provisions in LACSD's NPDES permits
- Submitted the following comment letters:
 - *Reasonable Potential for Ammonia* - The Tentative Order for Novato Sanitary District assigned reasonable potential for ammonia using the justification that human waste contains ammonia and its precursors. BACWA objected to this designation on the basis that agencies should not have reasonable potential for constituents just because they are present in the wastewater influent to a publically owned treatment plant, if the treatment plant removes them effectively.
 - *Federal Pretreatment Standards for Dental Practices* - The EPA is proposing a new Rule requiring technology-based pretreatment standards for discharges of pollutants into POTWs from certain existing and new dental practices. BACWA submitted a comment letter to EPA with recommendations to minimize the burden placed on POTW pretreatment programs to implement the standards and that EPA exempt existing local programs already complying with mercury TMDLs that include dental amalgam control programs.
 - *Chronic Toxicity Limits in Permits* - The Regional Water Board issued a Tentative Order for Las Gallinas that includes both numeric triggers as well as limits of 2.7 TUc (average month) and 5.3 TUc (maximum day) for chronic toxicity. BACWA provided a comment letter to the Regional Water Board, requesting that if they must impose numeric effluent limits for chronic toxicity, they engage in a collaborative process with BACWA to develop an implementation strategy.
 - *SSO Rates in NPDES Fact Sheets* - The Regional Water Board has begun to include a table in municipal NPDES dischargers' Fact Sheets summarizing SSO rates. However, sanitary sewer systems are covered by the State General Order, and not dischargers' individual NPDES permits. BACWA sent a comment letter requesting that the new language either be removed or presented in the appropriate context.



- *Receiving Water Monitoring in Permits* - BACWA commented on the new receiving water monitoring requirements in San José-Santa Clara's and Sunnyvale's tentative orders, noting that the Regional Monitoring Program (RMP) has conducted receiving water monitoring since its inception in 1993. BACWA's position is that agencies that pay into the RMP should not be required to do additional receiving water monitoring.
- *Continuous Chlorine Monitoring* – BACWA commented on the new requirement in Sunnyvale's tentative order to report continuous chlorine monitoring daily maxima from the entire data set, rather than from data collected at the top of each hour. This new requirement will lead to a complicated situation where one data set is reported, but another is used for compliance.
- *Bay Delta Conservation Plan* - BACWA's comment letter requested that a quantitative assessment of downstream impacts of the Bay Delta Conservation Plan be conducted. Specifically, BACWA is concerned that the Plan will increase loads of selenium and nutrients entering the San Francisco Bay from the Delta and upstream.
- *BAAQMD Greenhouse Gas Gaps Analysis* - BAAQMD is conducting sector-based “gap analyses” to see how greenhouse gas (GHG) emissions are growing in each sector, compared to the regional goal of reducing emissions 80% below 1990 levels by 2050. BACWA commented that efforts to reduce GHG emissions should be based on trends and data specific to the Bay Area and should not contradict other emissions reduction efforts in the municipal wastewater treatment sector.

Communication with members

- Conducted routine communication with our membership through the Annual Meeting and Monthly Board meetings.
- Published the monthly BACWA Bulletin
- Managed a regional sewer rate survey database.
- Updated BACWA Website to improve usability and access to documents
- Developed the Regulatory and AIR Issues summary matrices
- Published the 2014 AIR Newsletter

Funding Educational, Research, and Advocacy Efforts

- Funded development of a truck fill guide which contained locations of truck fill stations thereby facilitating Caltran’s and contractor’s ability to obtain recycled water to offset potable water for construction activities
- 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



External Representation and Collaboration

- Participated in Statewide collaborative projects including helping to fund the California Wastewater Climate Change Group
- Collaborated with CASA and the CASA Regulatory Workgroup on issues such as toxicity and cost of compliance
- Provided representation of BACWA on 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
 - Statewide Pesticide Steering Committee
 - Summit Partners
 - BAIRWMP
 - NACWA Emerging Contaminants

Grant Efforts

- Managed Administration of Proposition 84, Round 1, grant funds
- Led efforts to develop a regional nutrient focused grant application, as well as a recycled water grant application for Proposition 84, 2015 Round funding
- Participated in EBMUD's EPA nutrient sidestream treatment grant research activities

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:

- Collection Systems
- Permits
- Recycled Water
- Laboratory
- Biosolids
- Operations/Maintenance Infoshare
- Pretreatment
- Bay Area Pollution Prevention Group
- Air Issues and Regulations (including financial support)



Financial Report

	FY 2015 ORIGINAL Budget	FY 2015 AMENDED Budget	Actual	%	Notes
REVENUES					
BACWA					
Principals' Contributions	459,000	459,000	459,000	100%	
Associate & Affiliate Contributions	162,180	168,300	168,300	100%	
BAPPG Non-Members	0	3450	3,450	100%	
Nutrient Symposium Fees	0	0	3,900		
Fund Transfer	6,500	6,500	6,556	101%	AIR and WOT
Interest Income	4,000	4,000	6,081	152%	Actuals include BACWA & BAPPG
TOTAL BACWA GENERAL REVENUE	631,680	641,250	647,287	101%	
CLEAN BAY COLLABORATIVE (CBC)					
Principals	450,000	450,000	360,000	80%	EBMUD pd FY15 (\$90,000) in FY14
Associates & Affiliates	225,000	225,000	223,500	99%	Actual Billing: \$224,250 N. San Mateo (\$750) written off
TOTAL CBC Contributions	675,000	675,000	583,500	86%	
CBC Nutrient Surcharge	300,000	627,369	595,778	95%	1) \$327,369 Carried Forward for SFEI 2) EBMUD pd FY15 (\$40,000) in FY14 3) Actual Billing = \$300,254 4) Diff of \$8,153 is refund from ABAG for BAPPG to BACWA. Deposited into incorrect Fund. Corrected in FY16.
Interest Income	-	-	1,110		
TOTAL CBC REVENUE	975,000	1,302,369	1,180,388	91%	
TOTAL BACWA REVENUES	1,606,680	1,943,619	1,827,675	94%	
EXPENSES					
Labor					
Executive Director	178,500	178,500	178,500	100%	
Assistant Executive Director	76,500	76,500	83,635	109%	\$7,140 = Continuation of Previous AED Services through July 2014
Regulatory Program Manager	120,000	120,000	111,606	93%	
BACWA Committees					
BAPPG Committee	81,000	89,044	62,627	70%	\$8,044 Carried Forward - O'Rorke
Biosolids Committee	5,000	5,000	2,459	49%	
Collection Systems Committee	26,000	26,000	21,137	81%	
InfoShare Groups	12,000	12,000	11,715	98%	
Laboratory Committee	7,000	7,000	2,289	33%	
Permits Committee	1,000	1,000	0	0%	
Pretreatment Committee	1,000	1,000	157	0%	
Recycled Water Committee	1,000	\$8,365	7,365	88%	\$7,365 Carried Forward - WBA
Miscellaneous Committee Support	0	\$28,064	28,023	100%	\$28,064 Carried Forward - WBA
Legal Support					
Regulatory Support	2,000	\$4,475	\$455	10%	\$2,475 carried forward - Downey Brand
Executive Board Support	2,000	\$2,000	\$2,669	133%	
Collaboratives and Sponsorships					
State of the Estuary	20,000	20,000	20,000	100%	Biennial in odd years
CPSC	5,000	5,000	5,000	100%	
PSI	500	500	500	100%	
Stanford ERC	10,000	10,000	10,000	100%	
Arleen Navarret Award	0	0	0		Biennial in even years
FWQC	5,000	5,000	5,000	100%	
CWCCG	25,000	25,000	25,000	100%	
Communications and Reporting					
Annual Report	1,000	1,000	0	0%	
Website Development /Maintenance	8,300	8,300	7,953	96%	
Other Communications	200	200	0	0%	



BACWA
BAY AREA
CLEAN WATER
AGENCIES

BACWA Meeting Support						
Meeting Support	15,600	15,600	11,418	73%	See Administrative Expenses	
Administration						
EBMUD Financial Service & Audit	40,000	40,000	36,084	90%		
Administrative Expenses	5,500	5,500	8,060	147%	Some Meeting Support erroneously applied	
Insurance	4,500	4,500	4,308	96%		
TOTAL BACWA OPERATING EXPENSES	653,600	699,548	645,960	92%		
CLEAN BAY COLLABORATIVE (CBC)						
Technical Support - Nutrients						
Watershed	880,000	880,000	889,711	101%		
Additional work under permit	100,000	100,000	0	0%		
Annual Reporting	100,000	100,000	0	0%		
Opt/Upgrade/Annual Reporting Studies	250,000	250,000	312,286	125%	More work completed in FY15	
General Technical Support	50,000	377,369	281,092	74%	\$327,369 Carryforward - SFEI	
Chemicals of Concern	15,000	15,000	15,000	100%	CASA Annual Dues (Pesticide Mgmt)	
Risk Reduction	15,000	15,000	0	0%	Remaining 3 years is approx. \$50k	
Rate Database	6,000	6,000	1,300	22%		
TOTAL CBC EXPENSES	1,416,000	1,743,369	1,499,389	86%		
TOTAL BACWA EXPENSES	2,069,600	2,442,917	2,145,349	87.82%		
TOTAL FY15 BACWA REVENUES	1,606,680	1,943,619	1,827,675	94.03%	\$92 diff=AIR Interest	
TOTAL FY15 BACWA EXPENSES	2,069,600	2,442,917	2,145,349	88%	\$78,496 diff=AIR Expenses	
FY15 NET INCOME BEFORE TRANSFERS	(462,920)	(499,298)	(317,674)			
FY15 SPECIAL PROGRAMS						
	FY 2015	FY 2015	Actual	%	Notes	
AIR COMMITTEE	ORIGINAL Budget	AMENDED Budget				
REVENUES						
AIR Contributions	81,120	81,120	77,048	95%		
AIR Interest/Misc	0	0	92			
TOTAL AIR REVENUE	81,120	81,120	77,140	95%		
EXPENSES						
AIR Contract Expenses	80,000	81,120	74,440	92%		
AIR Administrative Expenses	4,000	4,000	4,056	101%	5% of Amended Budget	
TOTAL AIR EXPENSES	84,000	84,000	78,496	93%		
	FY 2015	FY 2015	Actual	%	Notes	
WOT	ORIGINAL Budget	AMENDED Budget				
REVENUES						
WOT Contributions	160,500	160,500	163,500	102%		
EXPENSES						
WOT Contract Expenses	144,500	144,500	155,000	107%		
WOT Administrative Expenses	2,500	2,500	2,500	100%	Fixed Amount	
TOTAL WOT EXPENSES	147,000	147,000	157,500	107%		



List of BACWA Members as of June 30, 2015

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

San Mateo Wastewater Treatment Plant
Silicon Valley Clean Water
South San Francisco
Vallejo Sanitation and Flood Control District
West County Agency

Affiliates

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 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
Yountville

Las Gallinas Valley Sanitary District
Mt. View Sanitary District
North San Mateo Sanitation District
Novato Sanitary District
Pacifica
Pinole/ Hercules Wastewater Treatment Plant
Rodeo
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
Santa Clara County Sanitation District No. 2-3
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