



BACWA Annual Report

Fiscal Year 2017/18

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 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 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 are 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.
 - Developed a strategy for considering sea level rise impacts on member agencies.
 - Held a workshop on May 31 to finalize Nutrient Optimization and Upgrade Studies report.
 - Submitted final Optimization and Upgrade Studies report in advance of the July 1, 2018 deadline.
- Submitted Science Plan Progress Update to the Regional Water Board in compliance with the Nutrient Watershed Permit.
- Submitted [third Nutrient Annual Report](#) in compliance with the Nutrient Watershed Permit.
- Funded \$880K in scientific studies and Nutrient Management Strategy program coordination. A voluntary contribution of \$200K in additional funds were provided to the NMS to help expedite studies that will inform management decisions in the next watershed permit.
- Participated in the Nutrient Management Strategy Steering Committee and Planning Subcommittee governing the scientific studies.
- Participated in the Nutrient Technical Workgroup.
- 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 2012 Mercury and PCB Watershed Permit, and developed a strategy to comply with the risk reduction provision in the reissued 2017 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 – Discussed next steps for Rule implementation, and collected proximity factors from members to deliver to BAAQMD for development of health risk assessments.
- Reached agreement with the Regional Water Board on a Scope of Work to develop a Basin Plan Amendment to revise the instantaneous chlorine residual effluent limit. Executed a contract to support this effort.
- Worked with POTWs Statewide to respond to common issues, such as the State Water Board’s proposed Recycled Water Policy Amendment and the SSS WDR reissuance.
- Negotiated with Regional Water Board staff on the Mercury PCB Watershed Permit, which was reissued in November 2017.



- Provided feedback and recommendations to Regional Water Board staff on updated Standard Provisions for NPDES Permits, adopted in November 2017.
- Participated with CVCWA, SCAP, and NACWA in lawsuit against EPA for requiring the use of the Test of Significant Toxicity, an unpromulgated statistical method.
- Engaged with Ocean Protection Council on microplastics through the update of the Ocean Litter Prevention Strategy.
- Collected information from member agencies on planned wetlands projects to inform revision of Wetlands Policy.
- Submitted informational letters to the House Appropriations Committee and the Senate Appropriations Subcommittee on the importance of maintaining funding for USGS programs in the San Francisco Bay.
- Provided the following [comment letters](#), including letters submitted jointly with other Associations:
 - *Letters to State Water Board*
 - Comments on Proposed Bacterial Objectives 08-16-17
 - Comment on Surface Water Augmentation Regulation – 09-12-17
 - Comments on Proposed Regulation Prohibiting Wasteful Water Use Practices 02-14-18
 - CASA and BACWA letter to SWB on CMSA Permit Petition 03-20-18
 - Preliminary Suggestions of CASA, BACWA and SCAP on the Forthcoming Revisions to the SSS WDR 3-28-18
 - Comments on Recycled Water Policy Amendment 6-26-18



- Letters to San Francisco Bay Regional Water Board
 - Comments on NPDES Permit Amendments – 10-13-17
 - Comments on Mercury/PCB Watershed Permit Reissuance – 010-13-17
 - Wastewater Association Comments on CMSA Tentative Order 10-23-17
 - Comments on 2018 Triennial Review 06-08-18
- Letter to SCCWRP
 - Wastewater Coalition Comments on Recycled Water CEC Advisory Panel Draft Report 03-01-18
- Letters to CalOSHA
 - Coalition comments on proposed CalOSHA H2S limits 12-9-17
 - Updated coalition comments on proposed CalOSHA H2S limits 03-06-18
- Letters to Ocean Protection Council
 - Wastewater Association comments on Draft Ocean Litter Prevention Strategy 10-16-17
 - Wastewater Association Comments on Draft OPC Priorities to address ocean litter 01-11-18
 - Wastewater Association Comments on updated Draft Ocean Litter Protection Strategy 2-23-18
 - Wastewater Association Comments on Final Draft Ocean Litter Protection Strategy 4-20-18
- Letters to BAAQMD
 - Comments on BAAQMD Rule 11-18 10-16-17
 - Comments on BAAQMD 11-18 Staff Report and Socioeconomic Impact Report 10-25-17
- Pesticides Regulatory Letters to EPA
 - Boric Acid/Sodium Salts Registration Review Comments – 07-24-17



- Pyrethroid Risk Assessment Comments – 07-07-17
- Imidacloprid Risk Assessment Comments – 07-24-17
- Diquat Dibromide Comments 08-23-17
- Indoxacarb risk assessment Comments 11-13-17
- Dichlobenil Risk Assessment Comments 12-13-17
- Pyriproxifen Risk Assessment Comments 3-15-18
- Dinotefuran Registration Comments 4-21-18
- Clothianidin Registration Comments - 4-21-18
- Thiamethoxam registration Comments - 4-21-18

Communication with members

- Conducted routine communication with our membership through the Annual Meeting and Monthly Board meetings.
- Hosted September 2017 Toxicity Workshop.
- Published the monthly [BACWA Bulletin](#).
- Posted the [2016 Biosolids Survey Report](#), and worked to develop the 2018 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.
- Conducted a [membership satisfaction survey](#).



Support Educational, Research, and Advocacy Efforts

- Awarded Arleen Navarret Award for leadership in the local POTW community.
- Conducted regional outreach campaigns related to flushable wipes, copper, pharmaceutical disposal, household hazardous waste, building demolition, and FOG. Issued RFPs for continued consultant support of these efforts.
- 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.
- Provided support for North Bay Watershed Association Conference.
- Provided funding for NACWA's Cost of Flushable Wipes study.
- 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.
- Provided administrative support and funding for biosolids research project for exploring the beneficial role of biosolids in soil health and climate change mitigation in California's agricultural soils.



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
 - WaterReuse Workgroup on Recycled Water Policy
 - San Francisco Estuary Partnership
 - California Product Stewardship Coalition

Grant Efforts

- Managed Administration of Proposition 84, Round 1, grant funds.



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



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BAY AREA
CLEAN WATER
AGENCIES

Financial Report

|  BACWA BAY AREA CLEAN WATER AGENCIES | | BACWA FY 2018 Budget Approved 4/19/17 | | | | |
|--|-------------------------------------|--|------------------------------|---|------------------|--|
| | | | | | 100% of Budget | |
| <i>BACWA FY18 BUDGET</i> | <i>Line Item Description</i> | FY 2018 Budget | Actuals June 2018 | Actual % of Budget June 2018 | Variance | |
| <i>REVENUES & FUNDING</i> | | | | | | |
| Dues | Principals' Contributions | \$487,095 | \$487,095 | 100% | \$0 | |
| | Associate & Affiliate Contributions | \$178,573 | \$178,626 | 100% | \$53 | |
| Fees | Clean Bay Collaborative | \$675,000 | \$675,000 | 100% | \$0 | |
| | Nutrient Surcharge | \$800,000 | \$800,008 | 100% | \$8 | |
| | Voluntary Nutrient Contributions | \$30,000 | \$30,000 | 100% | \$0 | |
| Other Receipts | Other Receipts | \$0 | \$29,999 | | \$29,999 | |
| | AIR Non-Member | \$6,477 | \$6,477 | 100% | \$0 | |
| | BAPPG Non-Members | \$3,774 | \$3,774 | 100% | \$0 | |
| | Other | \$0 | \$0 | | \$0 | |
| Fund Transfer | Special Program Admin Fees | \$2,550 | \$2,550 | 100% | \$0 | |
| Interest Income | LAIF | \$12,000 | \$27,227 | 227% | \$15,227 | |
| | Higher Yield Investments | \$10,000 | \$10,345 | 103% | \$345 | |
| | Total Revenue | \$2,205,469 | \$2,251,101 | 102% | \$45,632 | |
| <i>BACWA FY18 BUDGET</i> | | | | | | |
| <i>BACWA FY18 BUDGET</i> | <i>Line Item Description</i> | FY 2018 Budget | Actuals June 2018 | Actual % of Budget June 2018 | Variance | |
| <i>EXPENSES</i> | | | | | | |
| Labor | | | | | | |
| | Executive Director | \$195,998 | \$195,998 | 100% | \$0 | |
| | Assistant Executive Director | \$87,975 | \$87,960 | 100% | -\$15 | |
| | Regulatory Program Manager | \$116,438 | \$109,638 | 94% | -\$6,800 | |
| | Total | \$400,411 | \$393,596 | 98% | -\$6,815 | |
| Administration | | | | | | |
| | EBMUD Financial Services | \$40,000 | \$20,485 | 51% | -\$19,515 | |
| | Auditing Services (Maze) | \$6,300 | \$6,241 | 99% | -\$59 | |
| | Administrative Expenses | \$7,500 | \$5,852 | 78% | -\$1,648 | |
| | Insurance | \$4,500 | \$4,278 | 95% | -\$222 | |
| | Total | \$58,300 | \$36,856 | 63% | -\$21,444 | |
| Meetings | | | | | | |
| | EB Meetings | \$2,500 | \$1,871 | 75% | -\$629 | |
| | Annual Meeting | \$10,000 | \$7,745 | 77% | -\$2,255 | |
| | Pardee | \$6,000 | \$5,323 | 89% | -\$677 | |
| | Misc. Meetings | \$5,000 | \$5,263 | 105% | \$263 | |
| | Total | \$23,500 | \$20,202 | 86% | -\$3,298 | |
| Communication | | | | | | |
| | Website Hosting (Computer Courage) | \$600 | \$600 | 100% | \$0 | |
| | File Storage (Box.net) | \$750 | \$720 | 96% | -\$30 | |
| | Website Development/Maintenance | \$1,200 | \$2,919 | 243% | \$1,719 | |
| | IT Support (As Needed) | \$2,600 | \$203 | 8% | -\$2,397 | |
| | Other Commun (Software) | \$1,100 | \$1,396 | 127% | \$296 | |
| | Total | \$6,250 | \$5,838 | 93% | -\$412 | |



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AGENCIES

| <i>EXPENSES cont'd</i> | | | | | |
|------------------------|--------------------------------------|--------------------|--------------------|-------------|-------------------|
| Legal | | | | | |
| | Regulatory Support | \$2,550 | \$304 | 12% | -\$2,246 |
| | Executive Board Support | \$2,050 | \$510 | 25% | -\$1,540 |
| | Total | \$4,600 | \$814 | 18% | -\$3,786 |
| Committees | | | | | |
| | AIR | \$50,000 | \$45,148 | 90% | -\$4,852 |
| | BAPPG | \$100,000 | \$99,831 | 100% | -\$169 |
| | Biosolids Committee | \$3,100 | \$646 | 21% | -\$2,454 |
| | Collections System | \$1,000 | \$0 | 0% | -\$1,000 |
| | InfoShare Groups | \$1,200 | \$976 | 81% | -\$224 |
| | Laboratory Committee | \$6,000 | \$1,434 | 24% | -\$4,566 |
| | Permits Committee | \$1,000 | \$462 | 46% | -\$538 |
| | Pretreatment | \$7,000 | \$707 | 10% | -\$6,293 |
| | Recycled Water Committee | \$1,000 | \$0 | 0% | -\$1,000 |
| | Misc Committee Support | \$35,000 | \$18,970 | 54% | -\$16,030 |
| | Manager's Roundtable | \$1,000 | \$642 | \$0 | -\$358 |
| | Total | \$206,300 | \$168,816 | 82% | -\$37,484 |
| Collaboratives | | | | | |
| | Collaboratives | | | | |
| | State of the Estuary (biennial) | \$0 | \$0 | | \$0 |
| | Arleen Navarret Award | \$1,000 | \$1,000 | 100% | \$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 | \$9,500 | 317% | \$6,500 |
| | Total | \$21,500 | \$28,000 | 130% | \$6,500 |
| Other | | | | | |
| | Unbudgeted Items | | | | |
| | Passthrough | \$0 | \$23,100 | | -\$23,100 |
| | Other | \$0 | \$0 | | \$0 |
| | | \$0 | \$23,100 | | \$0 |
| Tech Support | | | | | |
| | Technical Support | | | | |
| | Nutrients | | | | |
| | Watershed | \$880,000 | \$880,000 | 100% | \$0 |
| | NMS Voluntary Contributions | \$0 | \$200,000 | | \$200,000 |
| | Additional work under permit | \$100,000 | \$0 | 0% | -\$100,000 |
| | Opt/Upgrade/Annual Reporting Studies | \$372,298 | \$89,204 | 24% | -\$283,094 |
| | Nutrient Program Coordination | \$50,000 | \$0 | 0% | -\$50,000 |
| | Voluntary Nutrient Contributions | \$30,000 | \$0 | 0% | -\$30,000 |
| | General Tech Support | \$50,000 | \$41,255 | 83% | -\$8,745 |
| | Risk Reduction | \$0 | \$7,975 | | \$7,975 |
| | Total | \$1,482,298 | \$1,218,434 | 82% | -\$263,864 |
| | TOTAL EXPENSES | \$2,203,159 | \$1,895,656 | 86% | -\$307,503 |
| | NET INCOME BEFORE TRANSFERS | \$2,310 | \$355,445 | | |
| | TRANSFERS FROM RESERVES | \$0 | \$0 | | |
| | NET INCOME AFTER TRANSFERS | \$2,310 | \$355,445 | | |



List of BACWA Members as of June 30, 2018

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 of 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