



Executive Board Meeting

AGENDA

Friday, February 16, 2018, 9:00 a.m. – 12:30 p.m.

SFPUC, 13th Floor, Hetch Hetchy Room

525 Golden Gate Ave., San Francisco, CA

<u>Agenda Item</u>	<u>Time</u>	<u>Pages</u>
ROLL CALL AND INTRODUCTIONS	9:00 AM	
PUBLIC COMMENT	9:03 AM	
CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER	9:04 AM	
CONSENT CALENDAR	9:05 AM	
1 December 15, 2017, BACWA Executive Board Meeting Minutes		3-9
2 November & December 2017 Treasurer's Reports		10-26
APPROVALS & AUTHORIZATIONS	9:06 AM	
3 <u>Approval:</u> Chair & Vice-Chair Nomination and Election (Interim)		27
4 <u>Approval:</u> BACWA Representatives Review		28-30
5 <u>Approval:</u> BACWA Requests for Support of North Bay Watershed Association, Non-Flushables Study and Toxicity Study NBWA Link		31-40
6 <u>Approval:</u> 2019 BACWA Executive Board Meeting Dates		41-42
OTHER BUSINESS - POLICY/STRATEGIC	9:10 AM	
7 <u>Discussion:</u> Nutrients		
a. Regulatory		
i. Advance Science Funding Proposal		43-44
ii. Optimization/Upgrade Update		45-51
iii. Annual Science Plan Update Letter Science Plan		52
iv. Oro Loma Tentative Order Tentative Order		
b. Technical Work		
i. NMS FY2017 Annual Report Report		
c. Governance Structure		
i. Planning Subcommittee Meeting #30 Debrief		53-57
ii. Measure AA Proposals		58-59
8 <u>Discussion:</u> Draft Agenda Water Board Joint Meeting on 3/2/18		60
9 <u>Discussion:</u> CMSA Permit Adoption Debrief		
10 <u>Discussion:</u> Sanitary Sewer System Waste Discharge Requirements Update		61-63
OTHER BUSINESS - OPERATIONAL	10:35 AM	
11 <u>Discussion:</u> AQPI Presentation		
12 <u>Discussion:</u> Update on Regional and Statewide Biosolids Issues		
13 <u>Discussion:</u> DHS RRAP Presentation		
14 <u>Discussion:</u> First Draft of FY19 Budget		64-65
15 <u>Discussion:</u> Annual Meeting Debrief		66-76
16 <u>Discussion:</u> Poll Everywhere Debrief		77-78
17 <u>Discussion:</u> BAPPG RFQ Update		79-93
18 <u>Discussion:</u> Annual NPDES Compliance Letter		94-102
19 <u>Discussion:</u> Membership Satisfaction Survey Update		103-118

<p>REPORTS</p> <p>20 Committee Reports</p> <p>21 Member Highlights</p> <p>22 Executive Director Report</p> <p>23 Regulatory Program Manager Report</p> <p>24 Other BACWA Representative Reports</p> <p> a. RMP TRC</p> <p> b. RMP Steering Committee</p> <p> c. Summit Partners</p> <p> d. ASC/SFEI</p> <p> e. Nutrient Governance Steering Committee</p> <p> f. SWRCB Nutrient SAG</p> <p> g. SWRCB Focus Group – Bacterial Objectives</p> <p> h. SWRCB Focus Group – Mercury Amendments to the State Plan</p> <p> i. Nutrient Technical Workgroup</p> <p> j. NACWA Taskforce on Dental Amalgam</p> <p> k. BAIRWMP</p> <p> l. NACWA Emerging Contaminants</p> <p> m. CASA State Legislative Committee</p> <p> n. CASA Regulatory Workgroup</p> <p> o. ReNUWit</p> <p> p. RMP Microplastics Liaison</p> <p> q. AWT Certification Committee</p> <p> r. Bay Area Regional Reliability Project</p> <p> s. WateReuse Working Group</p> <p> u. San Francisco Estuary Partnership</p>	<p>12:10 PM</p>	<p>119-125</p> <p>126-139</p> <p>140-141</p> <p>RMP Report</p>
<p>25 SUGGESTIONS FOR FUTURE AGENDA ITEMS</p>	<p>12:27 PM</p>	
<p>NEXT MEETING</p> <p>The next regular meeting of the Board is scheduled for March 16, 2018 from 9:00 am to 12:30 pm at EBMUD Headquarters, 375 11th St., 2nd Floor Large Training Room, Oakland, CA.</p>	<p>12:28 PM</p>	
<p>ADJOURNMENT</p>	<p>12:30 PM</p>	

ROLL CALL AND INTRODUCTIONS

Executive Board Representatives: Jim Ervin (San Jose); Lori Schectel (Central Contra Costa Sanitary District); Laura Pagano (SFPUC); Mike Connor (East Bay Dischargers Authority); Eileen White (East Bay Municipal Utility District).

Other Attendees:

<u>Name</u>	<u>Agency/Company</u>
Amanda Roa	Delta Diablo
Eric Dunlavey	San Jose
Holly Kennedy	HDR
Jim Graydon	Woodward & Curran
Karin North	City of Palo Alto
Tom Hall	EOA, Inc.
Ryan Batjiaka	SFPUC
Sarah Scheidt	City of San Mateo
Dave Richardson	RMC
Yun Shang	EBMUD
Bhavani Yerrapotu	City of Sunnyvale
David Senn	SFEI
Jim Graydon	Woodward & Curran
Alicia Chakrabarti	EBMUD
Karri Ving	SFPUC
David Williams	BACWA
Lorien Fono	BACWA
Sherry Hull	BACWA

PUBLIC COMMENT

None.

CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER – None.

CONSENT CALENDAR

1. November 17, 2017, BACWA Executive Board Meeting Minutes – The approved minutes will be posted on the BACWA website.
2. October 2017 Treasurer’s Reports and Financial Summary – A Financial Summary Report was included in the Packet. A copy of the FY17 Budget as of October 31, 2017, (33% of the fiscal year) was included. It, along with the Summary, provides the Board with a concise overview of the Fund Balances and the current status of the Annual Budget and points out any variances in

the budget to date. The Executive Director noted that the Funds Report includes a report on the Alternative Investments and, because those investments are less liquid than previous investments, a report on BACWA liquidity in also provided.

Consent Calendar items 1 and 2: A motion to approve was made by Mike Connor and seconded by Jim Ervin. The motion was approved unanimously.

APPROVALS & AUTHORIZATIONS

3. Approval: Board Approval of EOA, Inc. Chlorine Residual Basin Plan Amendment Technical Assistance – A Board Authorization Request and an Agreement with three Exhibits were included in the Packet. The Executive Director gave an overview.

Items 3: A motion to approve was made by Jim Ervin and seconded by Mike Connor. The motion was approved unanimously.

4. Approval: Board Approval of an Amendment to the Proposition 84 Grant Agreement – A Board Authorization Request and an Amendment to the Proposition 84 Grand Agreement were included in the Packet. The Executive Director gave an overview of the request.

Items 4: A motion to approve was made by Jim Ervin and seconded by Mike Connor. The motion was approved unanimously.

OTHER BUSINESS-POLICY/STRATEGIC

Agenda **Item 5** – Discussion: Nutrients

a. Regulatory

- i. Optimization /Upgrade Study Update – A Summary Final Report Outline from HDR was included in the Packet. The Executive Director gave an overview of the outline and asked the Board for feedback. HDR noted that the final report will contain an Executive Summary and copies of all individual agency reports which will be reviewed with each agency, and certified by each agency, prior to submitting the report. The Board noted that item 6, Conclusions, is key. A Board member asked if, once all the individual agency reports are finalized, there might be a one-time opportunity for a presentation of the recommendations for each of the 37 agencies. Several members supported this and BACWA staff will investigate the possibility of a workshop during the summer of 2018.
- ii. Facility Report Sign-Off Letter – The final Facility Report Sign-Off Letter was included in the Packet. The Executive Director gave an overview and the letter, signed by each agency’s representative, will be included in each facility report.

- iii. Sea Level Rise Risk Planning – The Executive Director gave a presentation on potential options for addressing the specific interests of the Water Board on sea level rise in the regional study. A Board member gave some examples of sea level rise forecasts and possible projected scenarios. The facility reports will contain the most recent information for each agency. The Board concurred that for the Regional Study estimates should be neither overly optimistic nor pessimistic but rather should rely on the best scientific information available at the time from US Government agencies (i.e. NOAA, etc.).
- b. Technical Work -
 - i. Advance of Science Funding from 2nd Watershed Permit – The Science Manager gave a presentation on the timing of the process and funding for major needs which must be responsive to and driven by management decisions; be driven by rigorous science; and hit targets of both time and confidence levels in predictions. He compared the current funding plan with additional funds projected to be available in FY20 vs. advanced funding in FY19. Early project options include: building program capacity and infrastructure to allow greater output (model sharing architecture outsourcing and fundraising); and integrated biochemical studies. The Board generally supported front loading the funding if the science studies can be tied back to answers to the correct questions. A Board member asked if the Regional Board will be providing additional funds and this will be addressed at a future joint meeting. A proposal for a decision on advanced funding will be on a future Executive Board meeting agenda.
- c. Governance Structure –
 - i. Planning Subcommittee Meeting #29 Debrief – The Minutes from the November 21, 2017 meeting was included in the Packet. The Executive Director gave an overview of the discussion on the Science Manager’s report noting that the Program Coordination team has submitted a grant application for Measure AA funds for use on the San Leandro Treatment Wetland for Pollution Reduction, Habitat Enhancement, and Shoreline Resiliency. The Executive Director also noted that the Program Coordination is now being funded by the NMS.
 - ii. Steering Committee Meeting #15 Debrief – The Draft Meeting Summary of the December 8, 2017 meeting was included in the Packet. The Executive Director gave an overview noting the key points are the Science Manager’s discussion of funding, and that the Steering Committee approved \$50,000 of the BACWA voluntary contribution to SFEI for two projects.

Agenda **Item 6** – Discussion: Joint Meeting with the Water Board Debrief – A Meeting Summary from the December 4, 2017 meeting was included in the Packet. The ED/RPM gave an overview noting that the Water Board was briefed on the status of the 2nd Watershed Permit and that BACWA can provide materials to the Water Board for their Regional Board Meeting in July when the 2nd Watershed Permit process will begin.

Agenda **Item 7** – Discussion: Microplastics -

- a. Ocean Litter Protection Strategy – The California Ocean Protection Council priorities was included in the Packet. The Regulatory Program Manager highlighted the focus on method development and pollution prevention messaging informed by science.
- b. SFEI Microplastics Abstracts – Four SFEI Abstracts on microplastics were included in the Packet. The Regulatory Program Manager noted that these are the basis for posters and presentations for a conference in March 2018. It was also noted that new standard operating procedures using spectroscopy to positively identify plastics will be used going forward.

Agenda **Item 8** – Discussion: SFPUC Biosolids Resources Update – SFPUC gave a presentation on the current status of the ongoing studies on biosolids, particularly greenhouse experiments and the role of biosolid soil amendment management plays in mitigating climate change by sequestering carbon.

Agenda **Item 9** – Discussion: Regulatory Focus for Annual Meeting Presentations – The Executive Director gave a list of BACWA’s priorities that could be used by the regulators to direct their presentations and asked for input from the Board. The Board gave feedback on priorities for the program.

Agenda **Item 10** – Discussion: CMSA Tentative Order –A LINK to the TO was included in the Packet. The Executive Director gave an overview and noted that a comment letter has been submitted. The Board did not support testimony from BACWA at the January 10 adoption hearing.

OTHER BUSINESS-OPERATIONAL

Agenda **Item 11** – Discussion: AQPI Presentation – This item was cancelled and moved to the February 2018 agenda.

Agenda **Item 12** – Discussion: Annual Meeting Planning– A final program for the January 19, 2018 BACWA Annual Meeting was included in the Packet. The Executive Director gave an overview of the program and asked the Board if there were any suggestions for changes. The Board made suggestions for Hot Topics which will be incorporated into the final program.

Agenda **Item 13** – Discussion: Annual Meeting: Questions for Poll Everywhere – The Executive Director provided several suggestions for polling questions throughout the annual meeting and asked the Board for input. The Board made suggestions for questions which will be incorporated into the final program.

Agenda **Item 14** – Discussion: Arleen Navarret Award for 2018 Update – The Executive Director

announced that the winner of the Arleen Navarret Award for 2018 was chosen by the Selection Committee that consisted of Laura Pagano, Mike Connor, and Amanda Roa. The winner is Ms. Leah Walker of the City of Petaluma. The Award will be presented at the BACWA Annual Meeting in January. It was noted that Ms. Walker will not be available to attend, but the City of Petaluma will provide a video honoring her.

Agenda Item 15 – Discussion: BACWA Representative for CPSC Policy Education Advisory Committee – The Executive Director gave an overview of BACWA Policy on the appointment of BACWA Representatives to outside organizations. The BAPPG Committee believes that having a BACWA Representative on the Education Advisory Committee would provide BACWA with a voice on the direction of the CPSC and would help justify BACWA’s annual contribution to the work they do. The Executive Director noted that the BAPPG Chair has volunteered for the position and asked if the Board had other suggestions. No additional suggestions were provided. BACWA staff will bring back a Board Authorization Request at a future Board meeting.

Agenda Item 16 – Discussion: BACWA Membership Satisfaction Survey Results – Results to date of the BACWA Membership Satisfaction Survey were included in the Packet. To date there have been forty-four participants in the Survey. A LINK to the individual comments provided through the Survey was also included in the Packet. The Executive Director gave an overview and BACWA Staff will continue to monitor and analyze the results of the Survey.

Agenda Item 17 – Discussion: BAPPG RFQ Update – An outline for the RFQs was included in the Packet. The Regulatory Program Manager gave an overview of the process and asked for input from the Board. No additional suggestions were provided.

Agenda Item 18 – Discussion: Upgrade BACWA Website for Mobile Access – An email from the BACWA website developer providing a website improvement plan was included in the Packet. Following review of the plan, BACWA staff suggests that the upgrade of the BACWA website to include a mobile layer be considered. The budget for the FY18 BACWA website development and maintenance line item is \$1,200, none of which has been expended to date. The estimate for the work is \$1,800 to \$2,000. The Board indicated that staff should move forward with the update.

REPORTS

Agenda Item 19 – Committee Reports – BACWA Committee Reports were included in the Packet.

AIR Committee: A Report from the November 29, 2017 meeting was included in the Packet.

BAPPG: A Report from the December 6, 2017 meeting was included in the Packet.

Biosolids Committee: No meeting.

Collections Committee: A Report from the November 30, 2017 meeting was included in the Packet.

InfoShare - Asset Management: A Report from the November 15, 2017 meeting was included in the Packet.

InfoShare – Operations & Maintenance: No meeting. The Executive Director noted that Kevin Dickenson from EBMUD will serve as Co-Chair along with Joaquin Gonzales from Delta Diablo.

Lab Committee: Reports from the June 14, 2017, the September 13, 2017, and the November 8, 2017 meetings were included in the Packet.

Permits Committee: No meeting.

Pretreatment Committee: A Report from the December 4 and December 7, 2017 Dental Amalgam Trainings was included in the Packet.

Recycled Water Committee: A Report from the November 15, 2017 meeting was included in the Packet.

Agenda **Item 20** - Discussion: Member Highlights - Executive Board Representatives (Board) were given an opportunity to provide updates from each of the Principal agencies. Non-principal members were also given an opportunity to report out on behalf of their agencies. No actions were taken on the report-outs.

EBDA: Hayward MABR Pilot is showing good results. Testified on TNI at the Water Board meeting. They are considering automated monitoring tools. The Oro Loma Tentative order is ready to be released and will be on the February agenda for adoption.

EBMUD: suggested that the BACWA Other Representatives should be updated. The Executive Director indicated that a review is planned later in this fiscal year.

Central Contra Costa: The new particulate matter rule is pushing out their implementation timeframe for projects.

San Francisco: None.

San Jose: Their Army Corp Permit was approved for their levy. The first phase of construction will begin in the Spring of 2018.

Sunnyvale: They are in the secondary design phase, dealing with flow rating and how to design with land constraints. There is a new City Manager, Kent Stephens.

Palo Alto: Building a second outflow pipeline in 2019 and have filed a mitigated negative declaration for CEQA. Fixed film reactors – full secondary assessment. They are considering an agreement with EBMUD to send some of their biosolids to EBMUD.

San Mateo: Waste discharge report submitted. Chose not to submit a request for permission to blend. Have done a preliminary study on the HRA priority scores for Rule 11-18, and they are lower than BAAQMD estimates, and are not expected to trigger TBARCT.

Delta Diablo: The public comment period on their co-digestion project has closed.

Oro Loma: Permit under final review. On February agenda for final adoption.

Agenda **Item 21** - The **Executive Director's (ED) Report** for November 2017, along with the Board Calendar, and BACWA Action Items, were included in the Packet. It was noted that 26 of 29 action items from FY18 have been completed and that BACWA support of the BACWWE

program continues with further development of the classes at Solano College and internal meeting of the BACWWE members and committees.

Agenda **Item 22** - The **Regulatory Program Manager (RPM) Report** for November 2017 was included in the Packet.

Agenda **Item 23 - Other BACWA Representative Reports** – BACWA Representative were given an opportunity to provide updates. No actions were taken based on the reports.

- a. RMP-TRC: Rod Miller; Laura Pagano – No report.
- b. RMP Steering Committee: Karin North; Leah Walker; Jim Ervin – No report.
- c. Summit Partners: Dave Williams; Laura Pagano – No report.
- d. ASC/SFEI: Laura Pagano; Dave Williams; Karin North – A LINK to the Aquatic Science Center’s EcoAtlas Toolset was included in the Packet.
- e. Nutrient Governance Steering Committee: Jim Ervin; Mike Connor – No report.
- f. SWRCB Nutrient SAG: Dave Williams – No report.
- g. SWRCB Focus Group – Bacterial Objectives: Lorien Fono; Amy Chastain – No report.
- h. SWRCB Focus Group – Mercury Amendments to the State Plan: Tim Potter; Dave Williams; Laura Pagano – No report
- i. Nutrient Technical Workgroup: Eric Dunlavey – No report.
- j. NACWA Taskforce on Dental Amalgam: Tim Potter – No report.
- k. BAIRWMP: Cheryl Munoz, Linda Hu, Dave Williams – No report.
- l. NACWA Emerging Contaminants: Karin North, Melody La Bella – No report
- m. CASA Statewide Pesticide Steering Committee: Melody La Bella – No report.
- n. CASA State Legislative Committee: Lori Schectel – No report.
- o. CASA Regulatory Workgroup – Lorien Fono - No report.
- p. RMP Microplastics Liaison: Nirmela Arsem – No report.
- q. ReNUWIt: Mike Connor; Karin North – No report.
- r. AWT Certification Committee: Maura Bonnarens – No report.
- s. Bay Area Regional Reliability Project: Roger Bailey; Mike Connor – No report
- t. WateReuse Working Group: Cheryl Munoz – No report.

Agenda **Item 24 - SUGGESTIONS FOR FUTURE AGENDA ITEMS**. None.

ANNOUNCEMENTS:

The next regular meeting of the Board is scheduled for **February 16, 2018 from 9:00 am – 12:30 pm** at the **SFPUC, 13th Floor, Hetch Hetchy Room, 525 Golden Gate Ave., San Francisco, CA.**

To receive a copy of any materials provided to the Board at a BACWA Executive Board meeting contact Sherry Hull at shull@bacwa.org.

The meeting adjourned at 12:40 pm.



MONTHLY FINANCIAL SUMMARY REPORT
December 2017

Fund Balances

In FY 18 BACWA has three operating funds (BACWA, Legal, and CBC) and two pass-through funds for which BACWA provides only contract administration services (WOT & Prop 84).

BACWA Fund: This fund provides the resources for BACWA staff, its committees, and other administrative needs. The ending fund balance on December 31, 2017 was \$1,482,815 which is significantly higher than the target reserve of \$160,000 which is intended to cover 3 months of normal operating expenses. \$346,990 of the ending fund balance is shown on the December Fund & Investments Balance Report as obligated to meet on-going operating line item expenses for BAPPG Committee Support, Legal services, IT services, Board meeting expenses, accounting services and BACWA staff support (including \$31,082 that was carried forward into FY18). This leaves an actual unobligated excess fund balance of \$1,135,825 as of December 31, 2017. As the details of what regulatory requirements will be included in the next Nutrient Watershed Permit, these excess funds may be transferred to the CBC fund and used to offset potential Nutrient Surcharge increases to the BACWA members.

CBC Fund: This fund provides the resources for completing special investigations as well as meeting regulatory requirements. The ending fund balance on December 31, 2017 was \$1,895,940 which is significantly higher than the target reserve of \$400,000. \$245,050 of the ending balance is obligated to meet line item expenses for completion of the Optimization/Upgrade Studies contract, the Risk Reduction contracts, and for technical support. This leaves an actual unobligated excess fund balance of \$1,650,888 as of December 31, 2017. Total Disbursements for FY18 from the CBC Fund include the annual payment of \$880,000 to SFEI for the Nutrient Watershed Permit commitment plus the additional \$200,000 approved by the Board. As the details of what regulatory requirements will be included in the next Nutrient Watershed Permit, any excess CBC funds may be used to offset potential Nutrient Surcharge increases to the BACWA members.

Legal Fund: This fund provides for needed legal services. The ending balance was \$300,000 which is at the target reserve of \$300,000.

Budget To Actual

The BACWA Annual Budget includes all expected revenues as well as budgeted expenses. Transfers are made from the BACWA Fund and/or the CBC Fund to balance the Annual Budget if expenses exceed revenues and vice versa. It is therefore important to achieve the anticipated revenues and not exceed the budgeted expenses on an annual basis in order to maintain the BACWA and CBC Fund balances at the levels projected in the 5 Year Plan.

Revenues as of December 31, 2017 (50% of the FY) are at 99%. The FY18 BACWA invoices were sent at the end of July 2017 and the end of August 2017, and 99% of the invoices have been paid before the end of December. The interest revenue reported through December, 2017 includes \$5,788 interest from the investment of Funds in LAIF for the 4th quarter of FY17.



MONTHLY FINANCIAL SUMMARY REPORT
December 2017

Overall Expenses as of December 31, 2017 (50% of the FY) are at 66% due primarily to timing of the Watershed Permit Commitment payment. Those needing additional explanation are:

Administration: This category is 29% expended at 50% of the FY due primarily to timing of invoices.

Legal: This category is 11% expended at 50% of the FY due primarily to no need for regulatory legal support.

Collaboratives: This category is 23% expended at 50% of the FY due primarily to timing of invoices.

Tech Support: This category is 76% expended at 50% of the FY due to timing of payment of the Watershed Permit Commitment, and to the timing of invoices for the Optimization/Upgrade obligations.



BACWA FY18 BUDGET		FY 2018 Budget	Actuals Dec 2017	50% of Budget Actual % of Budget Dec 2017	Variance	NOTES
REVENUES & FUNDING						
Dues	Principals' Contributions	\$487,095	\$487,095	100%	\$0	FY18: 2% increase.
	Associate & Affiliate Contributions	\$178,573	\$175,404	98%	-\$3,169	FY18: 2% increase. Assoc: \$8,090; Affiliate: \$1,600 (\$197 over budget)
Fees	Clean Bay Collaborative	\$675,000	\$673,500	100%	-\$1,500	Prin: \$450,000; Assoc/Affil: \$225,000
	Nutrient Surcharge	\$800,000	\$800,008	100%	\$8	Prin: \$533,335; Assoc/Affil: \$266,673
	Voluntary Nutrient Contributions	\$30,000	\$30,000	100%	\$0	FY18: Palo Alto (\$30k)
Other Receipts	Other Receipts	\$0	\$0		\$0	Carry forward of Passthrough funds for Pharm Study into FY18
	AIR Non-Member	\$6,477	\$6,477	100%	\$0	2% increase.
	BAPPG Non-Members	\$3,774	\$3,774	100%	\$0	2% increase.
	Other	\$0	\$0		\$0	
Fund Transfer	Special Program Admin Fees	\$2,550	\$0	0%	-\$2,550	FY18: 2% increase (WOT only)
Interest Income	LAIF	\$12,000	\$11,914	99%	-\$86	BACWA, Legal, & CBC Funds invested in LAIF
	Higher Yield Investments	\$10,000	\$5,763	58%	-\$4,237	Alternative Investment Interest
	Total Revenue	\$2,205,469	\$2,193,935	99%	-\$11,534	
EXPENSES						
Labor						
	Executive Director	\$195,998	\$97,999	50%	-\$97,999	3.5% CPI (SF/Oakland/San Jose Metro Area Dec 2016)
	Assistant Executive Director	\$87,975	\$42,404	48%	-\$45,571	3.5% CPI (SF/Oakland/San Jose Metro Area Dec 2016)
	Regulatory Program Manager	\$116,438	\$46,528	40%	-\$69,910	3.5% CPI (SF/Oakland/San Jose Metro Area Dec 2016)
	Total	\$400,411	\$186,931	47%	-\$213,480	
Administration						
	EBMUD Financial Services	\$40,000	\$9,946	25%	-\$30,054	
	Auditing Services (Maze)	\$6,300	-\$59	-1%	-\$6,359	FY18: \$6,200 Accrued from FY17 to FY18, less \$1,832 paid for FY17 in July 2017.
	Administrative Expenses	\$7,500	\$3,033	40%	-\$4,467	Travel, Supplies, Parking, Mileage, Tolls, Misc.
	Insurance	\$4,500	\$4,278	95%	-\$222	
	Total	\$58,300	\$17,198	29%	-\$41,102	
Meetings						
	EB Meetings	\$2,500	\$897	36%	-\$1,603	Catering, Venue, other expenses
	Annual Meeting	\$10,000	\$4,787	48%	-\$5,213	Catering, Venue, other expenses. (Deposit to hold venue + deposit to hold caterer)
	Pardee	\$6,000	\$5,323	89%	-\$677	Catering, Venue, other expenses
	Misc. Meetings	\$5,000	\$2,796	56%	-\$2,204	Holiday Lunch, Committee Chair Lunch, Staff Mtgs, Finance Comm, Summit Partners, CASA, NACWA, Toxicity WS
	Total	\$23,500	\$13,803	59%	-\$9,697	
Communication						
	Website Hosting (Computer Courage)	\$600	\$600	100%	\$0	
	File Storage (Box.net)	\$750	\$720	96%	-\$30	
	Website Development/Maintenance	\$1,200	\$557	46%	-\$643	Domains, website changes
	IT Support (As Needed)	\$2,600	\$68	3%	-\$2,532	
	Other Commun (MS, SM, Code42, PollEv)	\$1,100	\$779	71%	-\$321	MS Exchange, Survey Monkey, CrashPlanPro (2)
	Total	\$6,250	\$2,724	44%	-\$3,526	

FY 2018
BACWA BUDGET

EXPENSES						
Legal						
	Regulatory Support	\$2,550	\$0	0%	-\$2,550	2% increase.
	Executive Board Support	\$2,050	\$510	25%	-\$1,540	2% increase.
	Total	\$4,600	\$510	11%	-\$4,090	
Committees						
	AIR	\$50,000	\$19,398	39%	-\$30,602	FY18: Agrmt with Carollo for \$50,000. RPM lunches will also be included, but not in budget.
	BAPPG	\$100,000	\$54,211	54%	-\$45,789	FY18: Includes CPSC @ \$10,000 and Pest. Reg Spt. @ \$15,000
	Biosolids Committee	\$3,100	\$265	9%	-\$2,835	Includes WEF Conf
	Collections System	\$1,000	\$0	0%	-\$1,000	
	InfoShare Groups	\$1,200	\$299	25%	-\$901	Funds for 2 workgroups (Asset Mgmt & O&M)
	Laboratory Committee	\$6,000	\$0	0%	-\$6,000	Includes Tech Conf & Training
	Permit Committee	\$1,000	\$0	0%	-\$1,000	
	Pretreatment	\$7,000	\$614	9%	-\$6,386	Includes Training & Factsheet
	Recycled Water Committee	\$1,000	\$0	0%	-\$1,000	
	Misc Committee Support	\$35,000	\$12,514	36%	-\$22,486	Carollo Rule 11-18
	Manager's Roundtable	\$1,000	\$191	\$0	-\$809	New line item in FY18
	Total	\$206,300	\$87,492	42%	-\$118,808	
Collaboratives						
	Collaboratives					
	State of the Estuary (biennial)	\$0	\$0		\$0	Biennial in Odd Years. (Paid biennially in odd years for even year conference)
	Arleen Navarret Award	\$1,000	\$0		-\$1,000	Biennial in Even Years (Both 2014 and 2018 may be paid in FY18)
	FWQC (Fred Andes)	\$7,500	\$0	0%	-\$7,500	
	Stanford ERC (ReNUWit)	\$10,000	\$0	0%	-\$10,000	
	CWCCG	\$0	\$0		\$0	
	Misc	\$3,000	\$5,000	167%	\$2,000	FY18: Includes \$5,000 to PPIC approved by Board Sept, 2017
	Total	\$21,500	\$5,000	23%	-\$16,500	
Other						
	Unbudgeted Items					
	Passthrough	\$0	\$23,100		-\$23,100	Passthrough for Pharm Study; bal at end of FY17: \$23,100
	Other	\$0	\$0		\$0	Misc Expense Items Not Budgeted
		\$0	\$23,100		\$0	
Tech Support						
	Technical Support					
	Nutrients					
	Watershed	\$880,000	\$880,000	100%	\$0	
	NMS Voluntary Contributions	\$0	\$200,000		\$200,000	FY18: \$200,000 add'l funds approved by Board August 2017
	Additional work under permit	\$100,000	\$0	0%	-\$100,000	FY18: Increased at Board's request (EOA ChlResidBPA)
	Opt/Upgrade/Annual Reporting Studies	\$372,298	\$26,304	7%	-\$345,994	FY18: Balance remaining on agreement at end of FY16 less FY17 budgeted amount
	Nutrient Program Coordination	\$50,000	\$0	0%	-\$50,000	
	Voluntary Nutrient Contributions	\$30,000	\$0	0%	-\$30,000	FY18: Palo Alto (\$30k)
	General Tech Support	\$50,000	\$9,942	20%	-\$40,058	
	Risk Reduction	\$0	\$7,975		\$7,975	FY18: CIEA extended to 9/30/17 - \$9,853.69 remaining at 7/1/17
	Total	\$1,482,298	\$1,124,221	76%	-\$358,077	
	TOTAL EXPENSES	\$2,203,159	\$1,460,979	66%	-\$742,180	
	NET INCOME BEFORE TRANSFERS	\$2,310	\$732,956			
	TRANSFERS FROM RESERVES	\$0				
	NET INCOME AFTER TRANSFERS	\$2,310				

CHECK ON BACWA LIQUIDITY THRESHHOLD

	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>June</u>	<u>FY19 July</u>	<u>Aug</u>	<u>Sept</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	BUDGET Totals FY 18	EST BUDGET Totals FY19
BEGINNING UNOBLIGATED FUND BALANCE	\$3,678,755	\$3,585,158	\$3,491,561	\$3,397,964	\$3,304,367	\$3,210,770	\$3,117,173	\$3,023,576	\$2,945,709	\$3,416,112	\$2,806,515	\$3,276,919	\$3,747,322		
Average Monthly Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$548,270	\$548,270	\$548,271	\$548,270	\$0	\$2,205,469	\$2,193,081
Average Monthly Expenditures (Less Large one time Expenses)	(\$93,597)	(\$93,597)	(\$93,597)	(\$93,597)	(\$93,597)	(\$93,597)	(\$93,597)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	\$1,123,159	\$934,401
Less Large Expenditures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,080,000)	\$0	\$0	\$0		
NET AVAILABLE FOR INVESTMENT	\$3,585,158	\$3,491,561	\$3,397,964	\$3,304,367	\$3,210,770	\$3,117,173	\$3,023,576	\$2,945,709	\$3,416,112	\$2,806,515	\$3,276,919	\$3,747,322	\$3,669,455		
NEW INVESTMENTS															
Higher Yield (non-liquid)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)		
MATURITIES/Called															
Higher Yield (non-liquid)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
AVAILABLE LIQUID FUNDS	\$2,680,158	\$2,586,561	\$2,492,964	\$2,399,367	\$2,305,770	\$2,212,173	\$2,118,576	\$2,040,709	\$2,511,112	\$1,901,515	\$2,371,919	\$2,842,322	\$2,764,455		
TARGET AVAILABLE LIQUID FUNDS	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok		



Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

January 2, 2018

MEMO TO: Bay Area Clean Water Agencies Executive Board

MEMO FROM: D. Scott Klein, Controller, East Bay Municipal Utility District

SUBJECT: Fifth Month FY 2018 Treasurer's Report

As required by section eight of the Joint Powers Agreement establishing the Bay Area Clean Water Agencies (BACWA) and California Government Code Sections 6500 et seq., attached is the BACWA Treasurer's Report for the period covering **July 1, 2017 through November 30, 2017** (five months of Fiscal Year 2018). This report covers expenditures, cash receipts, and cash transfers for the following BACWA funds:

- Bay Area Clean Water Agencies (BACWA),
- BACWA Legal Reserve Fund (Legal Rsrv),
- Water Quality Attainment Strategy (WQA CBC),
- Air Issues and Regulation Group (AIR),
- Water/Wastewater Operator Training (WOT),
- Prop84 Bay Area Integrated Regional Water Mgmt (PRP84)

BACWA Fund Report as of November 30, 2017

BACWA FUND BALANCES - DATA PROVIDED BY ACCOUNTING DEPT.

DEPTID	DESCRIPTION	FISCAL YEAR BEGINNING FUND BALANCE	TOTAL RECEIPTS TO-DATE	TOTAL DISBURSEMENTS TO-DATE	MONTH-ENDING FUND BALANCE	OUTSTANDING ENCUMBRANCES	MONTH-END UNOBLIGATED FUND BALANCE
800	BACWA	1,140,008	669,913	264,841	1,545,080	405,315	1,139,765
804	LEGAL RSRV	300,000	-	-	300,000	-	300,000
805	CBC	1,505,790	1,489,141	1,123,579	1,871,353	145,552	1,725,801
802	AIR	-	-	-	-	-	-
	SUBTOTAL 1	2,945,799	2,159,055	1,388,420	3,716,433	550,867	3,165,566
810	WOT	109,916	135,000	23,096	221,820	-	221,820
	SUBTOTAL 2	109,916	135,000	23,096	221,820	-	221,820
811	PRP84	117,907	2,055,741	2,055,741	117,907	-	117,907
	SUBTOTAL 3	117,907	2,055,741	2,055,741	117,907	-	117,907
	GRAND TOTAL	3,173,622	4,349,795	3,467,257	4,056,160	550,867	3,505,293

Top Chart: Reflects CASH on the Books Includes Encumbrances
 Bottom Chart: Reflects CASH in the Bank Includes Payables (bills received but not paid)
 Allocations: Priority for non-liquid investments

BACWA INVESTMENTS BALANCES - DATA PROVIDED BY TREASURY DEPT.

DEPTID	DESCRIPTION	FISCAL YEAR BEGINNING FUND BALANCE	TOTAL RECEIPTS TO-DATE	TOTAL DISBURSEMENTS TO-DATE	MONTH-ENDING FUND BALANCE	RECONCILIATION TO FINANCIAL STATEMENTS	MONTH-END RECONCILED FUND BALANCE	UNINVESTED CASH BALANCES	LAIF INVESTMENTS AMOUNTS	LAIF INVESTMENTS PERCENTAGE	ALTERNATIVE INVESTMENTS AMOUNTS	ALTERNATIVE INVESTMENTS IDENTIFIERS	ALTERNATIVE INVESTMENT INSTRUCTIONS AND NOTES
800	BACWA	1,140,008	669,913	264,841	1,545,080	2,098,471	3,643,552	2,647,304	996,247	44%	-	n/a	priority # 3 for allocation
804	LEGAL RSRV	300,000	-	-	300,000	-	300,000	-	-	0%	300,000	AR5	priority # 1 for allocation
805	CBC	1,505,790	1,489,141	1,123,579	1,871,353	-	1,871,353	-	1,266,353	56%	605,000	6F5,G64, ME2	priority # 2 for allocation
802	AIR	-	-	-	-	-	-	-	-	0%	-	n/a	This fund is gone
	SUBTOTAL 1	2,945,799	2,159,055	1,388,420	3,716,433	2,098,471	5,814,904	2,647,304	2,262,600	100%	905,000		
810	WOT	109,916	135,000	23,096	221,820	-	221,820	221,820	-	0%	-		pass-through funds, no allocation
	SUBTOTAL 2	109,916	135,000	23,096	221,820	-	221,820	221,820	-	0%	-		
811	PRP84	117,907	2,055,741	2,055,741	117,907	-	117,907	117,907	-	0%	-		pass-through funds, no allocation
815	PRP50	-	-	-	-	-	-	-	-	0%	-		pass-through funds, no allocation
	SUBTOTAL 3	117,907	2,055,741	2,055,741	117,907	-	117,907	117,907	-	0%	-		
	GRAND TOTAL	3,173,622	4,349,795	3,467,257	4,056,160	2,098,471	6,154,631	2,987,031	2,262,600		905,000		

verification - (0)
 To be used to cover Reconciliation to Financial Statements (\$0)

Reconciliation to Trial Balance - accrual basis

Per Report above:

General	2,159,055
WOT	135,000
PROP	2,055,741
subtotal	4,349,795

Billings-Pending Receipts

4686	Mem Contrib	11,935
4687	Transfer	-
4690	Assoc Contrib	12,873
4696	Other	14,794
4731	State Grant	-
4732	Grant Retention	228,416
subtotal	268,018	

Trial Balance Revenue Accounts

4411	Interest	(17,677)
4686	Mem Contrib	(1,327,095)
4687	Transfer	-
4690	Assoc Contrib	(178,626)
4696	Other	(810,259)
4731	State Grant	(2,055,741)
4732	Grant Retention	(228,416)
subtotal	(4,617,813)	
Difference	-	

BACWA Revenue Report as of November 30, 2017

FUND #	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED	
					Admin & General	Contributons	Interest, Transfers, Others	Admin & General	Contributons	Interest, Transfers, Others		ACTUAL
800	BACWA	1011099	Principal's Contributions	487,095	-	-	-	-	487,095	-	487,095	-
800	BACWA	1011133	Assoc. & Affiliate Contr	178,573	-	9,651	-	-	165,753	-	165,753	12,820
800	BACWA	0408511	Administrative & General	-	-	-	-	-	-	-	-	-
800	BACWA	1014251	Non-Member Contributions (BAPPG)	3,774	-	-	-	-	3,774	-	3,774	-
800	BACWA	1011109	Fund Transfers	2,550	-	-	-	-	-	-	-	2,550
800	BACWA	1011117	BDO- Interest Income from LAIF	12,000	-	-	-	-	-	5,014	5,014	6,986
800	BACWA	1011108	BDO Other Receipts	-	-	-	-	-	-	-	-	-
800	BACWA	1014252	BDO Non-Member Contr AIR	6,477	-	-	-	-	6,477	-	6,477	-
800	BACWA	1014511	BDO-Alternative Investment Inc	10,000	1,800	-	-	1,800	-	-	1,800	8,200
800	BACWA	1014550	BDO-Other Receipts (PHARM)	-	-	-	-	-	-	-	-	-
BACWA TOTAL				700,469	1,800	9,651	-	1,800	663,099	5,013	669,913	30,556
802	LEGAL	1011117	BDO- Interest Income from LAIF	-	-	-	-	-	-	-	-	-
LEGAL TOTAL				-	-	-	-	-	-	-	-	-
805	WQA-CBC	1011099	BDO Member Contributions	675,000	-	13,762	-	-	693,065	-	693,065	(18,065)
805	WQA-CBC	1011108	BDO Other Receipts	800,000	-	24,172	-	-	785,214	-	785,214	14,786
805	WQA-CBC	1011117	BDO- Interest Income from LAIF	-	-	-	-	-	-	6,900	6,900	(6,900)
805	WQA-CBC	1014511	BDO-Alternative Investment Inc	-	2,200	-	-	3,963	-	-	3,963	(3,963)
805	WQA-CBC	1014528	BDO-Voluntary Nutrient Contrib	30,000	-	-	-	-	-	-	-	30,000
WQA CBC TOTAL				1,505,000	2,200	37,934	-	3,963	1,478,279	6,901	1,489,141	15,858
TOTAL				2,205,469	4,000	47,585	-	5,763	2,141,378	11,914	2,159,055	46,415

	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED	
					Admin & General	Contributons	Interest, Transfers, Others	Admin & General	Contributons	Interest, Transfers, Others		ACTUAL
810	WOT	1011099	BDO Member Contributions	-	-	12,000	-	-	135,000	-	135,000	(135,000)
810	WOT	1011108	BDO Other Receipts	-	-	-	-	-	-	-	-	-
810	WOT	1011117	BDO- Interest Income from LAIF	-	-	-	-	-	-	-	-	-
WOT TOTAL				-	-	12,000	-	-	135,000	-	135,000	(135,000)

	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED	
					Admin & General	Contributons	Interest, Transfers, Others	Admin & General	Contributons	Interest, Transfers, Others		ACTUAL
811	PROP 84			-	-	-	-	-	2,055,741	-	2,055,741	(2,055,741)
PROP TOTAL				-	-	-	-	-	2,055,741	-	2,055,741	(2,055,741)

Grand Total				2,205,469	4,000	59,585	-	5,763	4,332,119	11,914	4,349,795	(2,144,326)
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BACWA Expense Detail Report as of November 30, 2017

EXPENSE TYPE	JOB	AMENDED BUDGET	CURRENT PERIOD				YEAR TO DATE				OBLIGATED	UNOBLIGATED
			ENC	PV	DA	JV	ENC	PV	DA	JV		
LABOR												
AS-Executive Director	1011123	195,998	(49,000)	49,000	-	-	114,332	81,666	-	-	195,998	-
AS-Assistant Executive Directo	1011124	87,975	(6,466)	6,466	-	-	51,905	36,070	-	-	87,975	-
AS-Regulatory Program Manager	1011149	116,438	-	-	-	-	79,364	37,074	-	-	116,438	-
ADMINISTRATION												
AS-EBMUD Financial Services	1011125	40,000	-	-	-	-	35,696	4,304	-	-	40,000	-
AS-Audit Services	1014512	6,300	-	-	613	-	6,300	1,842	4,299	(6,200)	6,241	59
AS-BACWA Admin Expense	1011118	7,500	-	-	38	-	-	-	1,025	-	1,025	6,475
AS-Insurance	1011126	4,500	-	-	-	-	-	-	4,278	-	4,278	222
MEETINGS												
GBS-Meeting Support-Exec Bd	1014513	2,500	-	-	261	-	753	247	522	-	1,522	978
GBS-Meeting Support-Annual	1014514	10,000	-	-	-	-	-	-	1,000	-	1,000	9,000
GBS-Meeting Support-Pardee	1014515	6,000	-	-	861	-	-	-	992	-	992	5,008
GBS-Meeting Support-Misc	1014516	5,000	-	-	-	-	-	-	852	-	852	4,148
GBS- Meeting Support	1011122	-	-	-	-	-	-	-	-	-	-	-
COMMUNICATION												
CAR-BACWA Website Hosting	1014517	750	-	-	-	-	-	-	600	-	600	150
CAR-BACWA File Storage	1014518	1,200	-	-	720	-	-	-	720	-	720	480
CAR-BACWA IT Support	1014519	2,600	-	-	-	-	2,533	68	-	-	2,600	-
CAR-BACWA IT Software	1014520	1,100	-	-	345	-	-	-	680	-	680	420
CAR-BACWA Website Dev/Maint	1011116	600	-	-	30	-	-	-	30	-	30	570
LEGAL												
LS-Regulatory Support	1011107	2,550	-	-	-	-	2,550	-	-	-	2,550	-
LS-Executive Board Support	1011110	2,050	-	-	-	-	1,540	510	-	-	2,050	-
COMMITTEES												
AIR-Air Issues&Regulation Grp	1014253	50,000	-	-	-	-	43,608	6,392	211	-	50,211	(211)
BC-BAPPG	1011147	100,000	(1,850)	1,850	10,000	-	46,454	29,546	20,934	-	96,934	3,066
BC-Biosolids Committee	1011101	3,100	-	-	-	-	-	-	265	-	265	2,835
BC-Collections System	1011097	1,000	-	-	-	-	-	-	-	-	-	1,000
BC-InfoShare Groups	1011102	1,200	-	-	158	-	-	-	299	-	299	901
BC-Laboratory Committee	1011103	6,000	-	-	-	-	-	-	-	-	-	6,000
BC-Permit Committee	1011098	1,000	-	-	-	-	-	-	-	-	-	1,000
BC-Pretreatment Committee	1011146	7,000	-	-	-	-	-	-	-	-	-	7,000
BC-Water Recycling Committee	1011100	1,000	-	-	-	-	-	-	-	-	-	1,000
BC-Managers Roundtable	1014111	1,000	-	-	-	-	-	-	191	-	191	809
BC-Miscellaneous Committee Sup	1011104	35,000	(1,183)	1,183	-	-	20,281	8,325	-	-	28,606	6,394
COLLABORATIVES												
CAS-Arleen Navaret Award	1012201	1,000	-	-	-	-	-	-	-	-	-	1,000
CAS-FWQC	1012202	7,500	-	-	-	-	-	-	-	-	-	7,500
CAS-Stanford ERC	1011969	10,000	-	-	-	-	-	-	-	-	-	10,000
CAS-CWCCG	1011148	-	-	-	-	-	-	-	-	-	-	-
CAS-PSSEP	1011112	-	-	-	-	-	-	-	-	-	-	-
CAS-Misc Collaborative Sup	1014521	3,000	-	-	-	-	-	-	5,000	-	5,000	(2,000)
BDO-Contract Expenses (PHARM)												
BDO-Contract Expenses (PHARM)	1014551	-	-	-	-	-	-	23,100	-	-	23,100	(23,100)
BACWA TOTAL		720,861	(58,499)	58,499	13,027	-	405,315	229,144	41,897	(6,200)	670,156	50,705
TECH SUPPORT												
WQA-CE Addl Work Under Permit	1014254	100,000	-	-	-	-	57,000	-	-	-	57,000	43,000
WQA-CE-Technical Support	1011127	50,000	-	-	4,732	-	-	-	9,300	-	9,300	40,700
WQA-CE CASA Chem of Concern	1011128	-	-	-	-	-	-	-	-	-	-	-
WQA-CE Opt-Upgrade Studies	1014255	372,298	-	-	-	-	88,552	26,304	-	-	114,856	257,442
WQA-CE Risk Reduction	1014023	-	-	-	-	-	-	-	7,975	-	7,975	(7,975)
WQA-CE-Nutrient WS Permit Comm	1014021	880,000	-	-	-	-	-	-	1,080,000	-	1,080,000	(200,000)
WQA-CE-Program Mgmt	1011131	50,000	-	-	-	-	-	-	-	-	-	50,000
WQA-CE Voluntary Nutr Contrib	1014529	30,000	-	-	-	-	-	-	-	-	-	30,000
TECH SUPPORT (CBC) TOTAL		1,482,298	-	-	4,732	-	145,552	26,304	1,097,275	-	1,269,131	213,167
GRAND TOTAL		2,203,159	(58,499)	58,499	17,760	-	550,867	255,448	1,139,172	(6,200)	1,939,287	263,872
								TOTAL	1,388,420			
WOT												
Administrative Support	1011142	-	-	-	-	-	-	-	-	-	-	-
BDO Contract Expenses	1011143	-	-	-	-	-	-	-	23,096	-	23,096	(23,096)
									23,096	-	23,096	(23,096)
GRAND TOTAL (BDO, CBC, WOT)		2,203,159	(58,499)	58,499	17,760	-	550,867	255,448	1,162,268	(6,200)	1,962,383	240,776

Proposition 84 Revenue Report as of November 30, 2017

DEPTID	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED	
					Admin & General	Contributons	Interest, Transfers, Others	Admin & General	Contributons	Interest, Transfers, Others		ACTUAL
811	Prop84BayAreaIntegRegnlWtrMgmt	1011117	BDO- Interest Income from LAIF	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1011142	Administrative Support	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1011691	Water Efficient Landscape Reba	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1011705	Regional Green Infrastructure	-	-	-	-	157,589	-	157,589	(157,589)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1011706	Hacienda Ave Green St Improvem	-	-	-	-	1,746,693	-	1,746,693	(1,746,693)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012209	Water Efficient LRP	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012210	Bay Friendly Landscape TP	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012211	Weather Based Irrigation Cntrl	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012212	High Efficiency Toilet & UR	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012213	High Efficiency Toilet & UI	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012214	High Efficiency Clothes Washrs	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012215	Napa Co. Rainwater HP	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012216	Conservation Program Admin	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012219	Flood Infrastructure Mapping T	-	-	-	-	30,239	-	30,239	(30,239)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012220	Stormwater Improvements & PBP	-	-	-	-	8,010	-	8,010	(8,010)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012221	Richmond Shoreline & San PFP	-	-	-	-	21,114	-	21,114	(21,114)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012222	Pescadero Integrated FRAH	-	-	-	-	45,905	-	45,905	(45,905)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012223	Restoration Guidance, San FC	-	-	-	-	7,308	-	7,308	(7,308)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012224	SF Estuary Steelhead MP	-	-	-	-	28,355	-	28,355	(28,355)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012225	Watershed Program Admnstrtn	-	-	-	-	10,528	-	10,528	(10,528)	-
PROP 84 TOTAL				-	-	-	-	2,055,741	-	2,055,741	(2,055,741)	-

Proposition 84 Expense Detail Report as of November 30, 2017

DEPTID	DEPARTMENT	EXPENSE TYPE	AMENDED BUDGET	CURRENT PERIOD				YEAR TO DATE				OBLIGATED	UNOBLIGATED
				ENC	PV	DA	JV	ENC	PV	DA	JV		
811	Prop84BayAreaIntegRegniWtrMgmt	BDO Fund Transfers	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Administrative Support	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	BDO Contract Expenses	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Regional Green Infrastructure	-	-	-	157,589	-	-	-	157,589	-	157,589	(157,589)
811	Prop84BayAreaIntegRegniWtrMgmt	Hacienda Ave Green St Improvem	-	-	-	1,746,693	-	-	-	1,746,693	-	1,746,693	(1,746,693)
811	Prop84BayAreaIntegRegniWtrMgmt	Water Efficient LRP	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Bay Friendly Landscape TP	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Weather Based Irrigation Cntrl	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	High Efficiency Toilet & UR	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	High Efficiency Toilet & UI	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	High Efficiency Clothes Washrs	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Napa Co. Rainwater HP	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Conservation Program Admin	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Flood Infrastructure Mapping T	-	-	-	30,239	-	-	-	30,239	-	30,239	(30,239)
811	Prop84BayAreaIntegRegniWtrMgmt	Stormwater Improvements & PBP	-	-	-	8,010	-	-	-	8,010	-	8,010	(8,010)
811	Prop84BayAreaIntegRegniWtrMgmt	Richmond Shoreline & San PFP	-	-	-	21,114	-	-	-	21,114	-	21,114	(21,114)
811	Prop84BayAreaIntegRegniWtrMgmt	Pescadero Integrated FRAH	-	-	-	45,905	-	-	-	45,905	-	45,905	(45,905)
811	Prop84BayAreaIntegRegniWtrMgmt	Restoration Guidance, San FC	-	-	-	7,308	-	-	-	7,308	-	7,308	(7,308)
811	Prop84BayAreaIntegRegniWtrMgmt	SF Estuary Steelhead MP	-	-	-	28,355	-	-	-	28,355	-	28,355	(28,355)
811	Prop84BayAreaIntegRegniWtrMgmt	Watershed Program Admnstrtn	-	-	-	10,528	-	-	-	10,528	-	10,528	(10,528)
PRP84 TOTAL			-	-	-	2,055,741	-	-	-	2,055,741	-	2,055,741	(2,055,741)



Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

January 31, 2018

MEMO TO: Bay Area Clean Water Agencies Executive Board

MEMO FROM: D. Scott Klein, Controller, East Bay Municipal Utility District *SK*

SUBJECT: Sixth Month FY 2018 Treasurer's Report *WOC SK 1/12*

As required by section eight of the Joint Powers Agreement establishing the Bay Area Clean Water Agencies (BACWA) and California Government Code Sections 6500 et seq., attached is the BACWA Treasurer's Report for the period covering **July 1, 2017 through December 31, 2017** (six months of Fiscal Year 2018). This report covers expenditures, cash receipts, and cash transfers for the following BACWA funds:

- Bay Area Clean Water Agencies (BACWA),
- BACWA Legal Reserve Fund (Legal Rsrv),
- Water Quality Attainment Strategy (WQA CBC),
- Air Issues and Regulation Group (AIR),
- Water/Wastewater Operator Training (WOT),
- Prop84 Bay Area Integrated Regional Water Mgmt (PRP84)

BACWA Fund Report as of December 31, 2017

BACWA FUND BALANCES - DATA PROVIDED BY ACCOUNTING DEPT.

DEPTID	DESCRIPTION	FISCAL YEAR BEGINNING FUND BALANCE	TOTAL RECEIPTS TO-DATE	TOTAL DISBURSEMENTS TO-DATE	MONTH-ENDING FUND BALANCE	OUTSTANDING ENCUMBRANCES	MONTH-END UNOBLIGATED FUND BALANCE
800	BACWA	1,140,008	679,564	336,757	1,482,815	346,990	1,135,825
804	LEGAL RSRV	300,000	-	-	300,000	-	300,000
805	CBC	1,505,790	1,514,370	1,124,221	1,895,940	245,052	1,650,888
	SUBTOTAL 1	2,945,799	2,193,935	1,460,978	3,678,755	592,042	3,086,713
810	WOT	109,916	135,000	23,361	221,555	-	221,555
	SUBTOTAL 2	109,916	135,000	23,361	221,555	-	221,555
811	PRP84	117,907	2,055,741	2,055,741	117,906	-	117,906
	SUBTOTAL 3	117,907	2,055,741	2,055,741	117,906	-	117,906
	GRAND TOTAL	3,173,622	4,384,675	3,540,080	4,018,217	592,042	3,426,174

Top Chart: Reflects CASH on the Books Includes Encumbrances
 Bottom Chart: Reflects CASH in the Bank Includes Payables (bills received but not paid)
 Allocations: Priority for non-liquid investments

BACWA INVESTMENTS BALANCES - DATA PROVIDED BY TREASURY DEPT.

DEPTID	DESCRIPTION	FISCAL YEAR BEGINNING FUND BALANCE	TOTAL RECEIPTS TO-DATE	TOTAL DISBURSEMENTS TO-DATE	MONTH-ENDING FUND BALANCE	RECONCILIATION TO FINANCIAL STATEMENTS	MONTH-END RECONCILED FUND BALANCE	UNINVESTED CASH BALANCES	LAIF INVESTMENTS AMOUNTS	LAIF INVESTMENTS PERCENTAGE	ALTERNATIVE INVESTMENTS AMOUNTS	ALTERNATIVE INVESTMENTS IDENTIFIERS	ALTERNATIVE INVESTMENT INSTRUCTIONS AND NOTES
800	BACWA	1,140,008	679,564	336,757	1,482,815	53,101	1,535,916	564,256	971,660	43%	-	n/a	priority # 3 for allocation
804	LEGAL RSRV	300,000	-	-	300,000	-	300,000	-	-	0%	300,000	AR5	priority # 1 for allocation
805	CBC	1,505,790	1,514,370	1,124,221	1,895,940	-	1,895,940	-	1,290,940	57%	605,000	6F5,G64, ME2	priority # 2 for allocation
	SUBTOTAL 1	2,945,799	2,193,935	1,460,978	3,678,755	53,101	3,731,856	564,256	2,262,600	100%	905,000		
810	WOT	109,916	135,000	23,361	221,555	-	221,555	221,555	-	0%	-		pass-through funds, no allocation
	SUBTOTAL 2	109,916	135,000	23,361	221,555	-	221,555	221,555	-	0%	-		
811	PRP84	117,907	2,055,741	2,055,741	117,906	-	117,906	117,906	-	0%	-		pass-through funds, no allocation
815	PRP50	-	-	-	-	-	-	-	-	0%	-		pass-through funds, no allocation
	SUBTOTAL 3	117,907	2,055,741	2,055,741	117,906	-	117,906	117,906	-	0%	-		
	GRAND TOTAL	3,173,622	4,384,675	3,540,080	4,018,217	53,101	4,071,317	903,717	2,262,600		905,000		

verification - - -
 To be used to cover Reconciliation to Financial Statements (\$0)

Reconciliation to Trial Balance - accrual basis

Per Report above:

General	2,193,935
WOT	135,000
PROP	2,055,741
subtotal	4,384,675

Billings-Pending Receipts

4686	Mem Contrib	31,500
4687	Transfer	-
4690	Assoc Contrib	3,222
4696	Other	(30,000)
4731	State Grant	9,698
4732	Grant Retention	229,493
subtotal	243,913	

Trial Balance Revenue Accounts

4411	Interest	(17,677)
4686	Mem Contrib	(1,327,095)
4687	Transfer	-
4690	Assoc Contrib	(178,626)
4696	Other	(810,259)
4731	State Grant	(2,065,439)
4732	Grant Retention	(229,493)
subtotal	(4,628,588)	
Difference	-	

BACWA Revenue Report as of December 31, 2017

FUND #	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED	
					Admin & General	Contributons	Interest, Transfers, Others	Admin & General	Contributons	Interest, Transfers, Others		ACTUAL
800	BACWA	1011099	Principal's Contributions	487,095	-	-	-	-	487,095	-	487,095	-
800	BACWA	1011133	Assoc. & Affiliate Contr	178,573	-	9,651	-	-	175,404	-	175,404	3,169
800	BACWA	0408511	Administrative & General	-	-	-	-	-	-	-	-	-
800	BACWA	1014251	Non-Member Contributions (BAPPG)	3,774	-	-	-	-	3,774	-	3,774	-
800	BACWA	1011109	Fund Transfers	2,550	-	-	-	-	-	-	-	2,550
800	BACWA	1011117	BDO- Interest Income from LAIF	12,000	-	-	-	-	-	5,014	5,014	6,986
800	BACWA	1011108	BDO Other Receipts	-	-	-	-	-	-	-	-	-
800	BACWA	1014252	BDO Non-Member Contr AIR	6,477	-	-	-	-	6,477	-	6,477	-
800	BACWA	1014511	BDO-Alternative Investment Inc	10,000	-	-	-	1,800	-	-	1,800	8,200
800	BACWA	1014550	BDO-Other Receipts (PHARM)	-	-	-	-	-	-	-	-	-
BACWA TOTAL				700,469	-	9,651	-	1,800	672,750	5,013	679,564	20,905
805	WQA-CBC	1011099	BDO Member Contributions	675,000	-	10,435	-	-	673,500	-	673,500	1,500
805	WQA-CBC	1011108	BDO Other Receipts	800,000	-	14,794	-	-	800,008	-	800,008	(8)
805	WQA-CBC	1011117	BDO- Interest Income from LAIF	-	-	-	-	-	-	6,900	6,900	(6,900)
805	WQA-CBC	1014511	BDO-Alternative Investment Inc	-	-	-	-	3,963	-	-	3,963	(3,963)
805	WQA-CBC	1014528	BDO-Voluntary Nutrient Contrib	30,000	-	-	-	-	30,000	-	30,000	-
WQA CBC TOTAL				1,505,000	-	25,229	-	3,963	1,503,508	6,901	1,514,370	(9,371)
TOTAL				2,205,469	-	34,880	-	5,763	2,176,258	11,914	2,193,935	11,534

	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED	
					Admin & General	Contributons	Interest, Transfers, Others	Admin & General	Contributons	Interest, Transfers, Others		ACTUAL
810	WOT	1011099	BDO Member Contributions	142,500	-	-	-	-	135,000	-	135,000	7,500
810	WOT	1011108	BDO Other Receipts	-	-	-	-	-	-	-	-	-
810	WOT	1011117	BDO- Interest Income from LAIF	-	-	-	-	-	-	-	-	-
WOT TOTAL				142,500	-	-	-	-	135,000	-	135,000	7,500

	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED	
					Admin & General	Contributons	Interest, Transfers, Others	Admin & General	Contributons	Interest, Transfers, Others		ACTUAL
811	PROP 84			-	-	-	-	-	2,055,741	-	2,055,741	(2,055,741)
PROP TOTAL				-	-	-	-	-	2,055,741	-	2,055,741	(2,055,741)

Grand Total				2,347,969	-	34,880	-	5,763	4,366,999	11,914	4,384,675	(2,036,707)
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BACWA Expense Detail Report as of December 31, 2017

EXPENSE TYPE	JOB	AMENDED BUDGET	CURRENT PERIOD				YEAR TO DATE				OBLIGATED	UNOBLIGATED
			ENC	PV	DA	JV	ENC	PV	DA	JV		
LABOR												
AS-Executive Director	1011123	195,998	(16,333)	16,333	-	-	97,999	97,999	-	-	195,998	-
AS-Assistant Executive Directo	1011124	87,975	(6,334)	6,334	-	-	45,571	42,404	-	-	87,975	-
AS-Regulatory Program Manager	1011149	116,438	(9,455)	9,455	-	-	69,910	46,528	-	-	116,438	-
ADMINISTRATION												
AS-EBMUD Financial Services	1011125	40,000	(5,642)	5,642	-	-	30,054	9,946	-	-	40,000	-
AS-Audit Services	1014512	6,300	-	-	-	-	6,300	1,842	4,299	(6,200)	6,241	59
AS-BACWA Admin Expense	1011118	7,500	-	-	2,008	-	-	-	3,033	-	3,033	4,467
AS-Insurance	1011126	4,500	-	-	-	-	-	-	4,278	-	4,278	222
MEETINGS												
GBS-Meeting Support-Exec Bd	1014513	2,500	(129)	129	-	-	625	376	522	-	1,522	978
GBS-Meeting Support-Annual	1014514	10,000	-	-	3,787	-	-	-	4,787	-	4,787	5,213
GBS-Meeting Support-Pardee	1014515	6,000	-	-	4,331	-	-	-	5,323	-	5,323	677
GBS-Meeting Support-Misc	1014516	5,000	-	-	1,944	-	-	-	2,796	-	2,796	2,204
GBS- Meeting Support	1011122	-	-	-	-	-	-	-	-	-	-	-
COMMUNICATION												
CAR-BACWA Website Hosting	1014517	750	-	-	-	-	-	-	600	-	600	150
CAR-BACWA File Storage	1014518	1,200	-	-	-	-	-	-	720	-	720	480
CAR-BACWA IT Support	1014519	2,600	-	-	-	-	2,533	68	-	-	2,600	-
CAR-BACWA IT Software	1014520	1,100	-	-	99	-	-	-	779	-	779	321
CAR-BACWA Website Dev/Maint	1011116	600	-	-	527	-	-	-	557	-	557	43
LEGAL												
LS-Regulatory Support	1011107	2,550	-	-	-	-	2,550	-	-	-	2,550	-
LS-Executive Board Support	1011110	2,050	-	-	-	-	1,540	510	-	-	2,050	-
COMMITTEES												
AIR-Air Issues&Regulation Grp	1014253	50,000	(12,513)	12,513	282	-	31,095	18,905	493	-	50,493	(493)
BC-BAPPG	1011147	100,000	(3,731)	3,731	-	-	42,723	33,277	20,934	-	96,934	3,066
BC-Biosolids Committee	1011101	3,100	-	-	-	-	-	-	265	-	265	2,835
BC-Collections System	1011097	1,000	-	-	-	-	-	-	-	-	-	1,000
BC-InfoShare Groups	1011102	1,200	-	-	158	-	-	-	299	-	299	901
BC-Laboratory Committee	1011103	6,000	-	-	-	-	-	-	-	-	-	6,000
BC-Permit Committee	1011098	1,000	-	-	-	-	-	-	-	-	-	1,000
BC-Pretreatment Committee	1011146	7,000	-	-	614	-	-	-	614	-	614	6,386
BC-Water Recycling Committee	1011100	1,000	-	-	-	-	-	-	-	-	-	1,000
BC-Managers Roundtable	1014444	1,000	-	-	-	-	-	-	191	-	191	809
BC-Miscellaneous Committee Sup	1011104	35,000	(4,189)	4,189	-	-	16,092	12,514	-	-	28,606	6,394
COLLABORATIVES												
CAS-Arleen Navaret Award	1012201	1,000	-	-	-	-	-	-	-	-	-	1,000
CAS-FWQC	1012202	7,500	-	-	-	-	-	-	-	-	-	7,500
CAS-Stanford ERC	1011969	10,000	-	-	-	-	-	-	-	-	-	10,000
CAS-CWCCG	1011148	-	-	-	-	-	-	-	-	-	-	-
CAS-PSSEP	1011112	-	-	-	-	-	-	-	-	-	-	-
CAS-Misc Collaborative Sup	1014521	3,000	-	-	-	-	-	-	5,000	-	5,000	(2,000)
BDO-Contract Expenses (PHARM)												
BDO-Contract Expenses (PHARM)	1014551	-	-	-	-	-	-	23,100	-	-	23,100	(23,100)
BACWA TOTAL		720,861	(58,325)	58,325	13,750	-	346,990	287,468	55,489	(6,200)	683,748	37,113
TECH SUPPORT												
WQA-CE Addl Work Under Permit	1014254	100,000	99,500	-	-	-	156,500	-	-	-	156,500	(56,500)
WQA-CE-Technical Support	1011127	50,000	-	-	642	-	-	-	9,942	-	9,942	40,058
WQA-CE CASA Chem of Concern	1011128	-	-	-	-	-	-	-	-	-	-	-
WQA-CE Opt-Upgrade Studies	1014255	372,298	-	-	-	-	88,552	26,304	-	-	114,856	257,442
WQA-CE Risk Reduction	1014023	-	-	-	-	-	-	-	7,975	-	7,975	(7,975)
WQA-CE-Nutrient WS Permit Comm	1014021	880,000	-	-	-	-	-	-	1,080,000	-	1,080,000	(200,000)
WQA-CE-Program Mgmt	1011131	50,000	-	-	-	-	-	-	-	-	-	50,000
WQA-CE Voluntary Nutr Contrib	1014529	30,000	-	-	-	-	-	-	-	-	-	30,000
TECH SUPPORT (CBC) TOTAL		1,482,298	99,500	-	642	-	245,052	26,304	1,097,917	-	1,369,273	113,025
GRAND TOTAL		2,203,159	41,175	58,325	14,392	-	592,042	313,771	1,153,406	(6,200)	2,053,021	150,138
								TOTAL	1,460,977			
WOT												
Administrative Support	1011142	-	-	-	-	-	-	-	-	-	-	-
BDO Contract Expenses	1011143	-	-	-	265	-	-	-	23,361	-	23,361	(23,361)
									23,361		23,361	(23,361)
GRAND TOTAL (BDO, CBC, WOT)		2,203,159	41,175	58,325	14,657	-	592,042	313,771	1,176,767	(6,200)	2,076,382	126,777

Proposition 84 Revenue Report as of December 31, 2017

DEPTID	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED	
					Admin & General	Contributons	Interest, Transfers, Others	Admin & General	Contributons	Interest, Transfers, Others		ACTUAL
811	Prop84BayAreaIntegRegnlWtrMgmt	1011117	BDO- Interest Income from LAIF	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1011142	Administrative Support	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1011691	Water Efficient Landscape Reba	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1011705	Regional Green Infrastructure	-	-	-	-	157,589	-	157,589	(157,589)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1011706	Hacienda Ave Green St Improvem	-	-	-	-	1,746,693	-	1,746,693	(1,746,693)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012209	Water Efficient LRP	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012210	Bay Friendly Landscape TP	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012211	Weather Based Irrigation Cntrl	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012212	High Efficiency Toilet & UR	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012213	High Efficiency Toilet & UI	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012214	High Efficiency Clothes Washrs	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012215	Napa Co. Rainwater HP	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012216	Conservation Program Admin	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012219	Flood Infrastructure Mapping T	-	-	-	-	30,239	-	30,239	(30,239)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012220	Stormwater Improvements & PBP	-	-	-	-	8,010	-	8,010	(8,010)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012221	Richmond Shoreline & San PFP	-	-	-	-	21,114	-	21,114	(21,114)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012222	Pescadero Integrated FRAH	-	-	-	-	45,905	-	45,905	(45,905)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012223	Restoration Guidance, San FC	-	-	-	-	7,308	-	7,308	(7,308)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012224	SF Estuary Steelhead MP	-	-	-	-	28,355	-	28,355	(28,355)	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1012225	Watershed Program Admnstrtn	-	-	-	-	10,528	-	10,528	(10,528)	-
PROP 84 TOTAL				-	-	-	-	2,055,741	-	2,055,741	(2,055,741)	-

Proposition 84 Expense Detail Report as of December 31, 2017

DEPTID	DEPARTMENT	EXPENSE TYPE	AMENDED BUDGET	CURRENT PERIOD				YEAR TO DATE				OBLIGATED	UNOBLIGATED
				ENC	PV	DA	JV	ENC	PV	DA	JV		
811	Prop84BayAreaIntegRegniWtrMgmt	BDO Fund Transfers	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Administrative Support	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	BDO Contract Expenses	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Regional Green Infrastructure	-	-	-	-	-	-	-	157,589	-	157,589	(157,589)
811	Prop84BayAreaIntegRegniWtrMgmt	Hacienda Ave Green St Improvem	-	-	-	-	-	-	-	1,746,693	-	1,746,693	(1,746,693)
811	Prop84BayAreaIntegRegniWtrMgmt	Water Efficient LRP	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Bay Friendly Landscape TP	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Weather Based Irrigation Cntrl	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	High Efficiency Toilet & UR	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	High Efficiency Toilet & UI	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	High Efficiency Clothes Washrs	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Napa Co. Rainwater HP	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Conservation Program Admin	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegniWtrMgmt	Flood Infrastructure Mapping T	-	-	-	-	-	-	-	30,239	-	30,239	(30,239)
811	Prop84BayAreaIntegRegniWtrMgmt	Stormwater Improvements & PBP	-	-	-	-	-	-	-	8,010	-	8,010	(8,010)
811	Prop84BayAreaIntegRegniWtrMgmt	Richmond Shoreline & San PFP	-	-	-	-	-	-	-	21,114	-	21,114	(21,114)
811	Prop84BayAreaIntegRegniWtrMgmt	Pescadero Integrated FRAH	-	-	-	-	-	-	-	45,905	-	45,905	(45,905)
811	Prop84BayAreaIntegRegniWtrMgmt	Restoration Guidance, San FC	-	-	-	-	-	-	-	7,308	-	7,308	(7,308)
811	Prop84BayAreaIntegRegniWtrMgmt	SF Estuary Steelhead MP	-	-	-	-	-	-	-	28,355	-	28,355	(28,355)
811	Prop84BayAreaIntegRegniWtrMgmt	Watershed Program Admnstrtn	-	-	-	-	-	-	-	10,528	-	10,528	(10,528)
PRP84 TOTAL			-	-	-	-	-	-	-	2,055,741	-	2,055,741	(2,055,741)



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 3

FILE NO.: 18-28

MEETING DATE: February 16, 2018

TITLE: Interim Nomination and Election of BACWA Executive Board Chair and Vice Chair

RECEIPT DISCUSSION RESOLUTION APPROVAL

RECOMMENDED ACTION

Nomination and election of the BACWA Executive Board Chair and Vice Chair for remainder of FY18.

SUMMARY

Section 7 of the Joint Powers Agreement establishing BACWA states that the agency shall designate a Chair and Vice Chair, chosen by the Executive Board, from the members of the Executive Board. These positions each have a one year term that coincides with BACWA’s fiscal year. Historically, most BACWA Chairs and Vice Chairs are asked to serve for two consecutive terms. With the mid-year retirement of the current Chair, a new Chair and, depending on who is selected as the Chair, possibly Vice-Chair will need to be chosen by the Executive Board for the remainder of FY18.

Responsibilities of the Chair include signing contracts, approving payments, convening and presiding over Executive Board meetings, and serving on the BACWA Finance Committee. Responsibilities of the Vice Chair include serving as the Chair in the absence of the regularly elected Chair and serving on the BACWA Finance Committee.

BACWA Leadership History:

Time Frame	Chair	Vice Chair
2000 - 2002	Chuck Weir (EBDA)	Jim Kelly (CCCSD)
2002 - 2004	Jim Kelly (CCCSD)	Michael Carlin (SFPUC)
2004 – Feb 2005	Michael Carlin (SFPUC)	Dave Williams (EBMUD)
March 2005 – July 2005	Dave Williams (EBMUD)	Bill Keaney (SFPUC)
July 2005 – June 2006	Bill Keaney (SFPUC)	Chuck Weir (EBDA)
July 2006 – May 2007	Bill Keaney (SFPUC)	Dave Williams (EBMUD)
June 2007 – June 2008	Dave Williams (EBMUD)	Dave Tucker (EBMUD)
July 2008 – March 2010	Dave Tucker (SJ)	Doug Craig (CCCSD)
April 2010 – June 2010	Dave Tucker (SJ)	Arleen Navarret (SFPUC)
July 2010 – October 2010	Arleen Navarret (SFPUC)	Ben Horenstein (EBMUD)
November 2010 – Feb 2013	Ben Horenstein (EBMUD)	Tommy Moala/Laura Pagano (SFPUC)
March 2013 – June 2015	Mike Connor (EBDA)	Laura Pagano (SFPUC)
July 2015 – June 2017	Laura Pagano (SFPUC)	Jim Ervin (SJ)
July 2017 – February 2018	Jim Ervin (SJ)	Lori Schectel (CCCSD)

FISCAL IMPACT

This action has no fiscal impact.

ALTERNATIVES

This action does not require consideration of alternatives.



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 4 _____
FILE NO.: 18-29 _____
MEETING DATE: Feb 16, 2018

TITLE: Request for Board Review and Approval of Other BACWA Representatives

RECEIPT DISCUSSION RESOLUTION APPROVAL

RECOMMENDED ACTION

Review and approve BACWA Representatives to organizations outside of BACWA.

SUMMARY: BACWA accomplishes much of its mission through the hard work and efforts of its volunteers. As the governing body of the BACWA organization, the Board can demonstrate its support of the individuals who volunteer to represent BACWA in a variety of local, regional, state and national initiatives by confirming the appointment of these individuals as official BACWA representatives to outside organizations. BACWA Members serve on over twenty outside groups/organizations as official BACWA Representatives. In 2018 there are two new groups who are interested in having representation from BACWA. Additionally, some of these outside groups have completed their mission and dissolved or are no longer of interest to BACWA and thus the Board may decide to cease having an official designated individual BACWA representative to the group/organization. The duties of an official BACWA representative are to keep apprised of the activities of the group/organization and periodically report back to the BACWA Board and/or seek direction from the Board on the official BACWA position. By reviewing, changing, deleting and/or confirming these appointments, the leadership and representation for BACWA will be updated for FY 18.

The attached spreadsheet shows the current BACWA representatives along with notation where changes are needed. Potential candidates are also listed for Board consideration. Where no changes are needed, staff recommends confirming all of the existing representatives assuming they are willing to continue.

FISCAL IMPACT

No fiscal impact to BACWA.

ALTERNATIVES

This action does not require consideration of alternatives.

Attachment: List of Other BACWA Representative Groups and BACWA Representatives

Approved:

Date:

Jim Ervin, Chair
BACWA Executive Board

FY 18 BACWA Representatives

<u>Group/Organization</u>	<u>Current Representative</u>	<u>Need for Change</u>	<u>Possible Candidates</u>
RMP Technical Committee	Rod Miller, SFPUC	untimely passing	Eric D., Yun S. others?
RMP Steering Committee	Karin North, Palo Alto; Leah Walker, Petaluma; Jim Ervin, City of San Jose	retirement	new San Jose Board Member
Summit Partners	Dave Williams; Jim Ervin, City of San Jose	retirement	new BACWA Chair
Joint SFEI/ASC Board	Laura Pagano, SFPUC; Dave Williams Jim Ervin, City of San Jose, ASC Board Alternate Karin North, Palo Alto, ASC Board Alternate	retirement	new San Jose Board Member
Nutrient Management Strategy Governance Steering Committee	Jim Ervin, City of San Jose; Mike Connor, EBDA Bhavani Yerrapotu, Alternate Lori Schectel, Alternate	retirement retirement	Eric Dunlavey Eileen White
SWRCB Nutrient SAG	Dave Williams		
SWRCB Focus Group – Bacterial Objectives	Lorien Fono, BACWA; Amy Chastain, SFPUC	effort concluded effort concluded	mission completed, delete
SWRCB Focus Group – Mercury Amendments to the State Plan	Tim Potter, CCCSD; Dave Williams, BACWA; Laura Pagano, SFPUC		
Nutrient Technical Workgroup	Eric Dunlavey, City of San Jose		
NACWA Taskforce on Dental Amalgam	Tim Potter, CCCSD		
BAIRWMP	Cheryl Munoz, SFPUC; Linda Hu, EBMUD; Dave Williams, BACWA		
NACWA Emerging Contaminants	Karin North, Palo Alto; Melody LaBella, CCCSD		
CASA Statewide Pesticide Steering Committee	Melody LaBella, CCCSD	effort concluded	mission discontinued, delete
CASA State Legislative Committee	Lori Schectel, CCCSD		

CASA Regulatory Workgroup	Lorien Fono, BACWA		
ReNUWit	Mike Connor, EBDA Karin North, Palo Alto	retirement	new EBDA Board Member
RMP Microplastics Liaison	Nirmela Arsem, EBMUD		
AWT Certification Committee	Maura Bonnarens, EBMUD		
Bay Area Regional Reliability Project	Roger Bailey, CCCSD; Mike Connor, EBDA	effort concluded effort concluded	mission completed, delete
WaterReuse Working Group	Cheryl Munoz, SFPUC		
SF Estuary Partnership	Eileen White, EBMUD David Williams, BACWA		
CPSC Policy Education Advisory Committee	none	new request	Doug Dattawalker, Union San
California Ocean Protection Council	none	new request	Lorien Fono, BACWA



BACWA BOARD AUTHORIZATION REQUEST

AGENDA NO.: 5

FILE NO.: 18-30

MEETING DATE: February 16, 2018

TITLE: BACWA Requests for Support of North Bay Watershed Association, Non-Flushables Study and Toxicity Study

RECEIPT

DISCUSSION

RESOLUTION

APPROVAL

RECOMMENDED ACTION

Consider approval of requests for support in FY18 for the North Bay Watershed Association conference, a Non-Flushables Study and a Toxicity Study.

SUMMARY

At times BACWA receives various requests for sponsoring conferences and helping to fund initiatives. Since these requests to fund are discretionary, whenever they are received they are presented to the BACWA Board for determination to fund or not. BACWA recently received three requests for funding as follows:

1. BACWA has received a request for support of the North Bay Watershed Association biennial Conference scheduled for Friday, April 6th, 2018, which will be held at the Sheraton Sonoma county in Petaluma (see attached agenda). BACWA supported the conference in 2016 at the **\$1500** level and they are requesting the same level of support this year.
2. BACWA has received a request from CASA for support of the Study on the Cost of Wipes on Clean Water Infrastructure (see attached for more details about the study). The cost of the study is estimated at \$33,000 (see attached email for commitment of funds to date).
3. BACWA has received a request from CASA for support of a Proposed Toxicity Study (see attached for more details about the study). The cost of the study is estimated to be in the range of \$90,000 - \$120,000 (see attached email for commitment of funds to date).

In considering request for funding, the BACWA Board may want to consider the following criteria:

- Are there funds allocated in the BACWA budget for funding the request?
- Are their direct benefits to the majority of the BACWA members?
- Are there indirect benefits to the majority of the BACWA members (e.g. good will in the wastewater and/or regulatory community, etc.)
- Will funding the request have any negative unintended consequences?

FISCAL IMPACT

BACWA's FY18 Budget includes a line item in the amount of \$3,000 for miscellaneous collaborative support. As of the end of December, BACWA has exceeded that line item by \$2,000 by supporting the PPIC wastewater initiative in the amount of \$5,000.

ALTERNATIVES

No consideration of alternatives is required.

Attachments:

1. *Email from NBWA with request for support.*
2. *CASA Request to its Board for support of the Study on the Cost of Wipes on Clean Water Infrastructure.*
3. *CASA Request to its Board for support of the Proposed Toxicity Study.*
4. *Email from CASA on commitment of funds to date*

Approved:

Date:

Jim Ervin, BACWA Chair

Sherry Hull

From: Sherry Hull
Sent: Tuesday, February 13, 2018 3:31 PM
To: Sherry Hull
Subject: NBWA 2018 Conference - Sponsorship Invitation

From: North Bay Watershed Association [<mailto:NBWA@scwa.ca.gov>]
Sent: Monday, December 18, 2017 2:49 PM
To: David Williams <dwilliams@bacwa.org>
Subject: NBWA 2018 Conference - Sponsorship Invitation

Hi Mr. Williams,

The [North Bay Watershed Association](#) is in the planning phase for another exciting biennial Conference scheduled for Friday, April 6th, 2018, which will be held at [Sheraton Sonoma County](#) – in Petaluma.

Extreme Future: *Fire, Floods, a Rising Bay*

We would be delighted to once again have **Bay Area Clean Water Agencies** participate as a sponsor. You may recall that in 2016 Bay Area Clean Water Agencies supported this well-regarded event at the **\$1500** level and we hope we can count on your support again this year!

Attached is the sponsor invitation, sponsor benefits page and a sponsor confirmation form. Directions for confirming your interest for sponsoring this event are in the attached materials.

[Please visit our website to learn more about the conference](#), and contact me with any questions you may have.

Thanks you for your consideration and support. We look forward to hearing from you soon.

Sincerely,

Sophie Porcelli (Hallam-Eames)
Programs Specialist | Public Affairs
Sonoma County Water Agency

Email: Sophie.Porcelli@scwa.ca.gov
Phone: (707) 524-6430
www.sonomacountywater.org



January 24, 2018

TO: CASA Board of Directors

FROM: Adam Link, Director of Government Affairs
Bobbi Larson, Executive Director

SUBJECT: **Study on the Cost of Wipes on Clean Water Infrastructure—Agenda Item #1**

Recommendation

Approve a \$7,000 contribution to a study examining the cost of wipes on clean water infrastructure.

Background

Addressing “flushable” wipes and other nonflushable products continues to be a high priority for a number of CASA member agencies because of the negative impact these products can have on wastewater collection and treatment systems. The passage of, and subsequent legal challenge to, a wipes ordinance in Washington D.C., the breakdown of talks on flushability guidelines with industry interest groups, and the increased media exposure associated with the appearance of “fatbergs” associated with wipes disposal have all prompted CASA’s renewed interest in the issue in anticipation of possible future legislation.

One of the priority items in the 2018 CASA Business Plan is to initiate a targeted campaign to address these nonflushable products. As the first step in that effort, in December CASA hosted the first meeting of its nonflushables task force to review potential action items, scope the campaign, and provide feedback on various items. A member of the task force, Cynthia Finley (Director of Regulatory Affairs for NACWA and an expert resource on the issue of wipes), indicated NACWA is considering contracting with Rubin Mallows Worldwide to examine the cost of wipes on clean water infrastructure.

In brief, this study would examine a small subset of clean water utilities to get a better picture of the cost drivers and other factors associated with flushable wipes, and then use that information to develop a utility cost model that could be standardized, verified through application, and finally scaled to the state and national level. This proposal fits closely with one of the action items in the CASA Business Plan: to perform a comprehensive research/survey effort on impacts of flushable products on California wastewater infrastructure. That action item anticipated possible engagement of academic or consultancy services to conduct this survey/research. The Rubin Mallows study, which we anticipate would be in lieu of a separate CASA led survey effort, provides an opportunity to join with our national counterparts on a relatively low-cost basis to quantify the impact of flushable wipes on clean water systems.

As the attached study proposal notes, NACWA has been tracking the cost of wipes on clean water infrastructure for some time (as have the Southern California Alliance of POTWs and individual CASA member agencies). This data is often the basis for casual estimates of the true impact of wipes on wastewater systems across the country. However, these figures are anecdotal in nature and often have little foundation in systematic economic or financial investigation. A thorough study such as the

one proposed here should help firm up such estimates with the best available data nationwide, and also be applicable specifically to California agencies.

The estimated timeframe for completion of the study is approximately three months. If the study is fully funded and proceeds within the next month or so, the results should be available in advance of the CASA Annual Conference in August and certainly in time to use as part of laying the groundwork for potential legislative efforts in 2019.

Financial Impact

Staff is requesting approval of a \$7,000 contribution to help fund this study. The total cost of the report is estimated to be \$33,000, with the remainder of contributions coming from NACWA and other sources. We estimate this amount is absorbable in the FY 2018 operating budget; if this is not the case, staff will seek Board approval to allocate funds from the Challenges and Opportunities Fund at the end of the fiscal year for this purpose.



January 24, 2018

TO: CASA Board of Directors

FROM: Adam Link, Director of Government Affairs
Bobbi Larson, Executive Director

SUBJECT: **CASA Participation in Proposed Toxicity Study—Agenda Item #2**

Recommendation

Approve a \$20,000 contribution to a study designed to quantify the false positive error rate of the *Ceriodaphnia dubia* survival and reproduction bioassay as part of our toxicity advocacy efforts.

Background

Addressing problems with the State Water Board’s pending Toxicity Plan is one of the CASA Regulatory Workgroup’s highest priorities for 2018. Staff have been working with CASA’s internal stakeholder group as well as State Water Board staff for several years on issues pertaining to the regulation of toxicity at wastewater agencies. In July of 2017, CASA weighed in with very specific redlines to the most recent draft staff proposal for the plan. This draft contained several concerning elements, one of which was the institution of numeric toxicity limits in conjunction with problematic test species (most notably *Ceriodaphnia dubia*) and testing methods that produced higher false positive results.

According to the timeline provided by the State Water Board in October of 2017, a revised draft of the plan was supposed to be released at the end of November 2017 and the plan was slated for adoption in June 2018. However, the Board has yet to release the plan, which will likely push back the proposed adoption date by several months.

The purpose of the proposed study is to quantify the false positive error rate (the erroneous identification of a non-toxic sample as toxic) of the *Ceriodaphnia dubia* survival and reproduction bioassay using statistical endpoints currently supported by the USEPA. In combination with new numeric limits for toxicity, the false positive error rate for certain species required under the new Toxicity Plan is one of CASA’s primary concerns. If these requirements remain unchanged, they have the potential to place many CASA agencies in compliance jeopardy, resulting in increased toxicity “hits” and potential violations with no evidence of any actual change in water quality. More thorough data demonstrating the high false positive error rate of this species, a possible outcome of this study, could result in changes to the plan to address this issue.

Stakeholders have discussed the possibility of pursuing a similar study in the past, but the scope of previous study designs was too large, and the then-imminent release of the plan caused us to question the timeliness of the potential results. The scope of this study has been considerably narrowed from the original proposals, and the release of the plan continues to be delayed. CASA and other stakeholders now believe that pursuing a study of this nature now would be valuable.

The impetus for completing the study as soon as possible is both to inform the development of the State Water Board's Toxicity Plan (in the event that the proposed plan is delayed in its timeline for adoption, which seems increasingly likely) as well as to develop data that could be used to challenge elements of the plan in the future (if adopted as originally proposed).

Because we only have an initial study design, the total cost of the study is not yet known, but the most likely estimate is that the study will cost between \$90,00 and \$120,000. CASA reached out to the Clean Water Summit Partners (Bay Area Clean Water Agencies, Central Valley Clean Water Association, Southern California Alliance of POTWS, and California Water Environment Association) at a meeting on January 12, 2018, and requested contributions from these entities of \$15,000 per entity, a total of \$60,000. It is anticipated that there will be other entities, including individual CASA members, to make up the difference between our collective \$80,000 contribution and the final cost of the study.

Financial Impact

Staff is requesting approval of a \$20,000 contribution to help fund this toxicity study. We estimate CASA's contribution is absorbable in the FY 2018 operating budget; if this is not the case, staff will seek Board approval to allocate funds from the Challenges and Opportunities Fund at the end of the fiscal year for this purpose.

Sherry Hull

From: Sherry Hull
Sent: Wednesday, February 14, 2018 7:10 PM
To: Sherry Hull
Subject: FW: Sample Board Reports on Study Items

From: Adam Link [<mailto:alink@casaweb.org>]
Sent: Monday, February 12, 2018 3:27 PM
To: David Williams <dwilliams@bacwa.org>
Cc: Lorien Fono <lfono@bacwa.org>
Subject: Re: Sample Board Reports on Study Items

Dave,

No problem, here is an update:

Flushable Wipes Study (Total cost est. \$33,000)

- CASA approved a \$7,000 contribution
- CWEA agreed to contribute \$1,500
- I think WEF and NACWA contributed \$10,000 each, \$20,000 total (but I need to reconfirm that)
- Requested contribution from CWSP members was \$3,000 per association
- No word yet from SCAP or CVCWA on this (though SCAP seemed optimistic)

Toxicity Study (Total cost est. at \$90,000 - \$120,000)

- CASA authorized a \$20,000 contribution assuming we get enough other contributors to proceed
- CWEA is not contributing
- Requested contribution from CWSP members was \$15,000 per association
- No word yet from SCAP or CVCWA on this (though again, Steve seemed optimistic on behalf of SCAP)

Phil and Josh with LACSD are currently refining the project scope to provide to the reviewers, so we should know more in a couple weeks. By shrinking the number of samples tested and using more CA labs with in-kind contributions, they seemed to think we might be able to get the cost down enough to proceed even without CWEA's involvement. Let me know if you need me to resend my Board reports on both of these or need anything else in advance of your meeting. Thanks.

- Adam

Adam D. Link
Director of Government Affairs
California Association of Sanitation Agencies
916.446.0388, ext 102 (office)
916.947.2900 (mobile)
Ensuring Clean Water for California
www.casaweb.org



From: "dwilliams@bacwa.org" <dwilliams@bacwa.org>
Date: Monday, February 12, 2018 at 12:31 PM
To: Adam Link <alink@casaweb.org>
Cc: "lfono@bacwa.org" <lfono@bacwa.org>
Subject: FW: Sample Board Reports on Study Items

Adam, the BACWA Board will be considering a contribution to one or both of these initiatives at our meeting on Friday. Can you give me an update on the latest estimates of the cost of the two efforts and who has committed so far to help fund and their committed amounts? thanks

David R. Williams
Executive Director
Bay Area Clean Water Agencies (BACWA)
Cell: 925-765-9616
Email: dwilliams@bacwa.org

From: David Williams
Sent: Sunday, January 14, 2018 1:23 PM
To: Sherry Hull <shull@bacwa.org>; Lorien Fono <lfono@bacwa.org>
Subject: FW: Sample Board Reports on Study Items

On a conference call with the Summit Partners, CASA discussed two issues they were supporting. One dealing with a study of false positives with the ceriodaphnia test species for toxicity and the other dealing with quantifying the costs of flushable wipes. They asked each Summit Partner if they were interested in contributing. Please put these two items on the agenda for discussion and approval at the February Board meeting.

David R. Williams
Executive Director
Bay Area Clean Water Agencies (BACWA)
Cell: 925-765-9616
Email: dwilliams@bacwa.org

From: Adam Link [<mailto:alink@casaweb.org>]
Sent: Friday, January 12, 2018 12:49 PM
To: David Williams <dwilliams@bacwa.org>; eofficer@cvcwa.org; Elizabeth Allan <EAllan@cwea.org>; Steve Jepsen <sjepsen@dudek.com>

Cc: Bobbi Larson <blarson@casaweb.org>

Subject: Sample Board Reports on Study Items

Summit Partner EDs,

Thanks everyone for jumping on the call today. Attached are the two reports we prepared for the CASA Board on the toxicity study and the flushable wipes study. Feel free to use any content from here that would help in preparing something for your boards. Also please let us know as soon as possible the status of those requests so we can decide how to proceed.

- Adam

Adam D. Link
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BACWA BOARD AUTHORIZATION REQUEST

AGENDA NO.: 6

FILE NO.: 18-31

MEETING DATE: February 16, 2018

TITLE: BACWA Requests for Board Approval of Dates for BACWA Board Meetings in Calendar Year 2019

RECEIPT DISCUSSION RESOLUTION APPROVAL

RECOMMENDED ACTION

Approve dates for BACWA Board Meetings in Calendar Year 2019

SUMMARY

BACWA holds it's Annual Meeting in January of each year, it's regularly-scheduled Board Meetings in February through September of each year, plus November and December, a Pre-Pardee Meeting in September of each year, and a Technical Retreat in October of each year. In order to assure BACWA has the greatest choice in meeting venues, staff is requesting this early approval of the BACWA 2019 Calendar. It should be noted that for its regularly scheduled Board meetings held on the 3rd Friday of each month, Board members, in the past, have, on occasion, requested a change in meeting location which would be decided by the Board at the time the request is made.

FISCAL IMPACT

There is no fiscal impact to BACWA.

ALTERNATIVES

No consideration of alternatives is required.

Attachments:

BACWA Board Meetings Calendar 2019

Approved:

Date: _____

Jim Ervin, BACWA Chair



**2019 BACWA EXECUTIVE BOARD
REGULAR MONTHLY MEETING SCHEDULE**

DATE	TIME	LOCATION
January 17, 2019 <i>(Annual Member Meeting – no regular Board meeting in January)</i>	8:30 – 3:30	Scottish Rite Center 1547 Lakeside Dr. 3 rd Flr. Oakland, CA
February 15, 2019	9:00 – 12:30	SFPUC, Hetch Hetchy Room
March 15, 2019	9:00 – 12:30	EBMUD HQ, 2 nd Floor Large Training Room
April 19, 2019	9:00 – 12:30	SFPUC, Hetch Hetchy Room
May 17, 2019	9:00 – 12:30	EBMUD HQ, 2 nd Floor Large Training Room
June 21, 2019	9:00 – 12:30	SFPUC, Hetch Hetchy Room
July 19, 2019	9:00 – 12:30	EBMUD HQ, 2 nd Floor Large Training Room
August 16, 2019	9:00 – 12:30	SFPUC, Hetch Hetchy Room
September 20, 2019 <i>(Short Regular Board Meeting – Pre-Pardee Tech Seminar)</i>	8:30 – 8:45 9:00 – 4:00	EBMUD HQ, 2 nd Floor Large Training Room
October TBD, 2019 <i>(Pardee Tech Seminar – no regular Board meeting in October)</i>	TBD	EBMUD Pardee Reservoir Facility
November 15, 2019	9:00 – 12:30	SFPUC, Hetch Hetchy Room
December 20, 2019 <i>(Holiday & Committee Leadership Appreciation Lunch)</i>	9:00 – 12:30 12:30 – 2:00	EBMUD HQ, 2 nd Floor Large Training Room

Special Board Meetings to be scheduled in 2019:

Joint BACWA/San Francisco Bay Regional Water Board meetings will be scheduled for March, May, July, October (Pardee), and December

To:	BACWA Executive Board
From:	David Senn, San Francisco Estuary Institute
Date:	February 14, 2018
Re:	Proposal: <i>Advance a Portion of Anticipated FY20 NMS Funding for Use in FY19</i>

Background

1. The San Francisco Bay Nutrient Management Strategy (NMS) calls for developing the science needed to make informed decisions related to “assessing nutrient impacts on water quality, protecting beneficial uses, and managing nutrient loads to San Francisco Bay”.
2. The Nutrient Management Strategy (NMS) Science Program was formally [launched](#) in FY2015. The NMS Science Program, overseen by a multistakeholder Steering Committee (NMS-SC), carries out work with funding from the [Nutrient Watershed Permit](#) (POTW fees); the Regional Monitoring Program; and other funding sources (Figure 1). BACWA, RMP, and Water Board funding also supported NMS-related foundational work prior to FY2015.
3. Through discussions related to the second Nutrient Watershed Permit, BACWA and the WB have reached a tentative agreement to increase funding levels for the NMS Science Program. Under that plan, BACWA funding would increase from \$880,000/yr to \$2.2mill/yr. beginning in FY2020.

Proposal:

- Advance \$600,000 from anticipated FY20 NMS funds for use beginning in FY19 to support the program building needed for success during the second Bay-wide Nutrient Permit; and allow for the earlier launch of time-intensive projects;
- The advance would represent no change in total funding over the period FY19-FY24.

Rationale for proposing the advance:

1. The NMS’ goals and timeline have always been ambitious (*‘standards by 2024’*). Although NMS work over the past several years has led to important gains in our understanding of nutrient-related issues in San Francisco Bay, there remains even more work ahead. The pace of work needs to increase during the second permit. The anticipated higher funding is key for making that increased pace possible.
2. As a practical matter, though, work output cannot increase with the same step-function as the proposed funding increase. There will necessarily be a lag.

3. The advance funding (e.g., Figure 2) will create the opportunity for
 - a. A more gradual ramp up in program size, which we believe is important for building a solid foundation and increased capacity.
 - b. Building strong and sustained collaborations with external partners, and recruiting excellent scientists affiliated with those partnering institutions (e.g., postdocs, research scientists) or as new essential staff.
 - c. Starting time-intensive work earlier, which will allow data from those studies to be available sooner, and allow additional time for data interpretation or use within models, and for applying interpretations toward better-informed decisions.

Figure 1 NMS-related direct funding, FY12-FY19. FY15-FY19 correspond to the first Nutrient Watershed Permit. FY19 values represent anticipated funds. External funding for modeling work (~\$1.4mill) became available in FY17-FY18; most of the work will be carried out in FY18-FY20, and ~\$600k is related to the Delta.

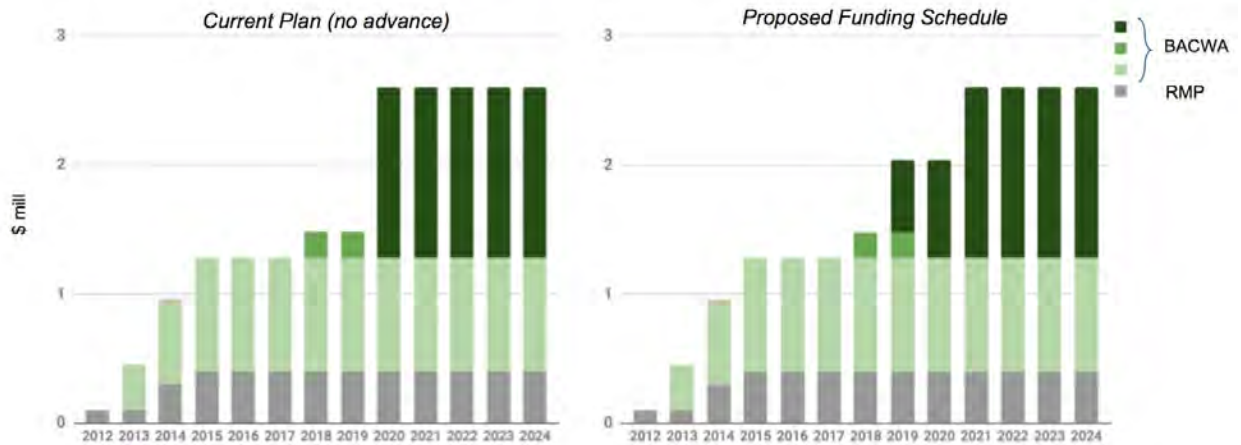
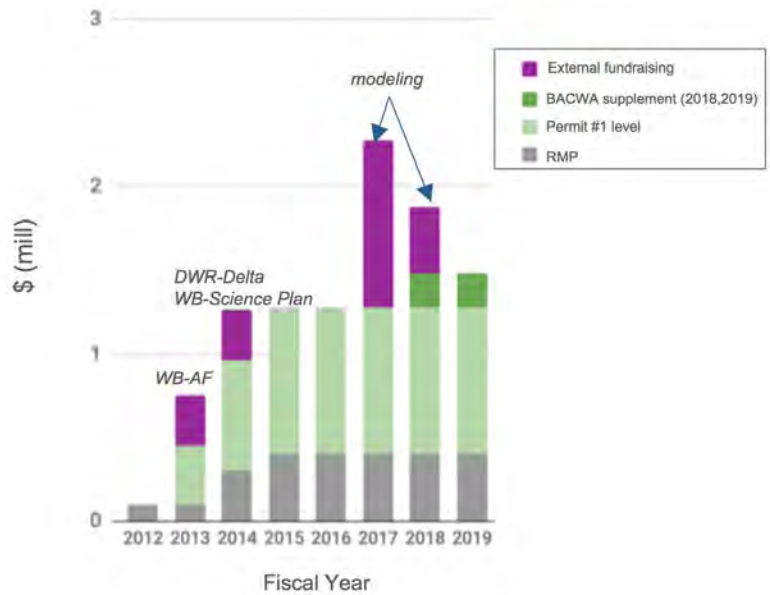


Figure 2 Schematic of advance funding scenario. Advancing \$560k from FY20 for use beginning in FY19. (For clarity, external fundraising not included here)

Memo, DRAFT

Date: Tuesday, January 09, 2018

Project: Bay Area Clean Water Agencies, Nutrient Optimization and Upgrade Project

To: Holly Kennedy, Project Manager

From: Libby Mesbah, PE

Subject: Sea Level Rise Assessment

Purpose and Scope

HDR has evaluated each of the participating municipal discharge outfall locations to determine the flood impacts associated with sea level rise (SLR) over the next 100 years. The purpose of this memorandum is to summarize the assessment performed. This analysis utilized publically available data from the United States Army Corps of Engineers (USACE), the Federal Emergency Management Agency (FEMA), and publically available topography data to make an assessment of the current and future impacts associated with sea level rise.

The SLR flood risk assessment included the following steps:

1. Identify a point ground elevation representative of each municipal discharge location to compare against water surface elevations.
2. Evaluate FEMA's Flood Insurance Rate Maps (FIRMs) to determine if the municipal discharge site is already within the 1-percent annual chance (100-year) floodplain.
3. Utilize the USACE's Sea Level Change Curve Calculator (2017.55), <http://www.corpsclimate.us/ccaceslcurves.cfm>, to determine the projected SLR depths over the next 30, 50, and 100 years.
4. Generate tabular and graphical map to display the results.

The following sections provide additional detail for each of the assessment steps.

Topographic Data

The United States Geological Survey (USGS) National Elevation Dataset (NED), dated 2013, was utilized to determine a point ground elevation to represent each municipal discharge location. Elevations are provided in the North American Vertical Datum of 1988 (NAVD88) with 1/3 arc-second (approximately 10 meters) resolution. This elevation data was utilized to compare water surface elevations and SLR depths against to determine the time period in which the municipal discharge location may or may not experience flooding.

FEMA's Flood Insurance Rate Maps

FEMA's FIRMs were utilized to determine if each municipal discharge location is mapped with the 1-percent annual chance (100-year) floodplain. The term "100-year flood" is used to simplify the definition of a flood that statistically has a 1-percent chance of occurring in any given year.

The SLR depth is added on top of the 100-year water surface elevation. The 100-year floodplain is typically designated on the FEMA FIRM as a Zone VE or AE. If the location is identified as already being mapped within the floodplain, sea level rise will only worsen the flooding at the particular location in the future.

USACE's Sea Level Change Curve Calculator

Projected sea level rise (SLR) estimates over the next 100 years were identified using the U.S. Army Corps of Engineers (USACE) Sea Level Change Curve Calculator (2017.55), <http://www.corpsclimate.us/ccaceslcurves.cfm>. The USACE's calculator tool was selected for this analysis since the USACE is a highly recognized agency currently designing flood control structures throughout the San Francisco Bay.

The USACE Sea Level Change Curve Calculator computes three curves: USACE Low Curve¹, USACE Intermediate Curve², and the USACE High Curve³. For this flood risk assessment, the USACE High Curve was used to determine projected SLR values since it is the recommended curve for planning and design efforts of critical infrastructure with extended design life.

Figure 1 below provides an example of the projected sea level change curves generated at an existing gauge utilized for this analysis. This particular gauge is located in Suisun Bay.

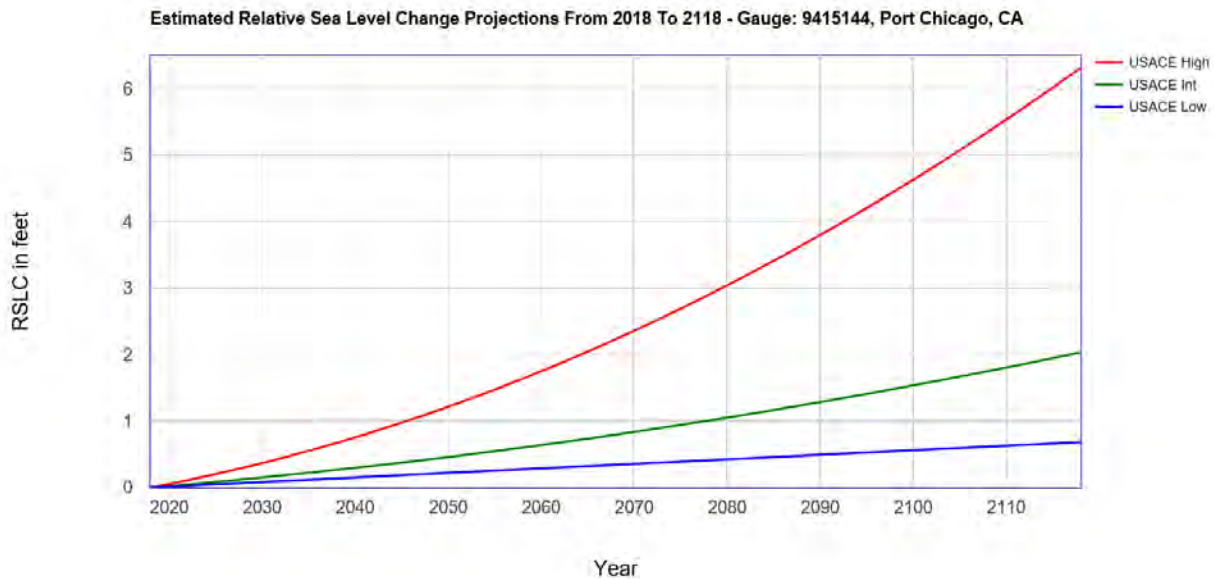


Figure 1 - USACE's Estimated Relative Sea Level Change Projections from 2018 to 2118 - Gauge: 9415144, Port Chicago, CA

¹ The rate for the USACE Low Curve is the historical rate of sea level change.

² The rate for the USACE Intermediate Curve is computed from the modified National Research Council (NRC) Curve I considering both the most recent Intergovernmental Panel on Climate Change (IPCC) projections and modified NRC projections with the local rate of vertical land movement added.

³ The rate for the USACE High Curve is computed from the modified NRC Curve III considering both the most recent IPCC projections and modified NRC projections with the local rate of vertical land movement added.

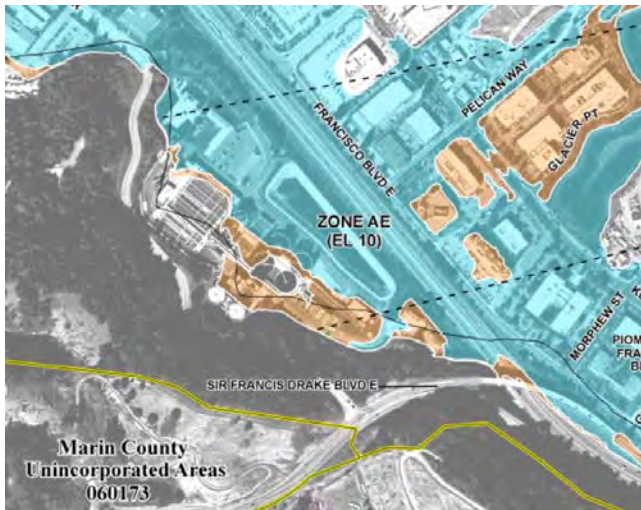
Evaluation and Results

The impact of sea level rise at each site was then evaluated.

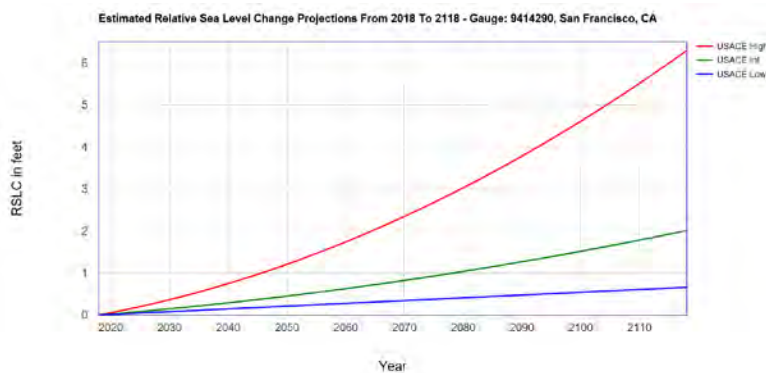
An example of the analysis performed at each location is provided below for the Central Marin Sanitation Agency (CMSA):

Step 1: A point elevation of 7.6 ft NAVD88 was selected to represent CMSA site.

Step 2: The FEMA FIRM 06041C0478E was evaluated to determine if portions or all the site are currently in the 1-percent annual chance floodplain. The map below shows that the majority of the site is within the floodplain with a Zone AE base flood elevation of 10 ft NAVD88. Thus, portions of the site are $10 \text{ ft} - 7.6 \text{ ft} = 2.4 \text{ ft}$ under water during a 1-percent annual chance storm event even before SLR occurs.



Step 3: The USACE Sea Level Change Curve Calculator (2017.55), is then used to generate the high curve. The San Francisco gauge is the closest gauge to CMSA. SLR predictions were extracted from the curve and are listed below.



Year 2047 (30 years) = +1.1 ft

Year 2067 (50 years) = +2.2 ft

Year 2117 (100 years) = +6.2 ft

These SLR predictions are then added to the 1-percent annual chance floodplain elevation to determine the future water surface elevation including SLR for planning and design efforts. For CMSA, the results for the 30-, 50, and 100-year planning horizon are:

Predicted Water Surface Elevation in Year 2047 (30 years) = +1.1 ft + 10 ft = 11.1 ft

Predicted Water Surface Elevation in Year 2067 (50 years) = +2.2 ft + 10 ft = 12.2 ft

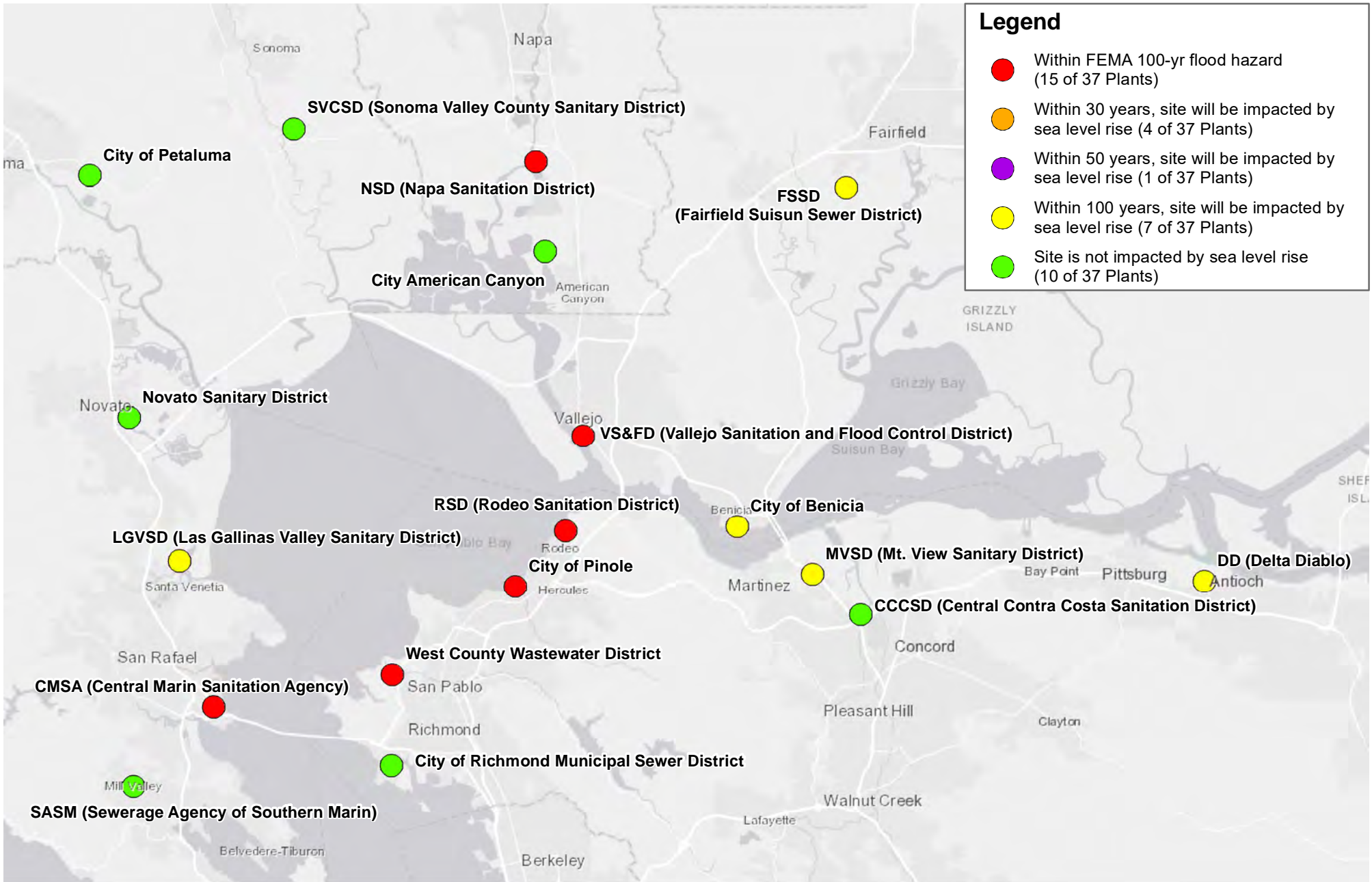
Predicted Water Surface Elevation in Year 2117 (100 years) = +6.2 ft + 10 ft = 16.2 ft

Attachment A presents a table of results for all locations included in the study. Attachment B presents figures illustrating the status of flooding for each of the facilities.

Name	Address	GageName	Year 2047 (30yr) USACE High Curve ² (ft)	Year 2067 (50yr) USACE High Curve ² (ft)	Year 2117 (100yr) USACE High Curve ² (ft)	Facility Type	FEMA_Zone	Current FEMA WSE ¹ (ft)	FEMA WSE + 30yr SLR (ft)	FEMA WSE + 50yr SLR (ft)	FEMA WSE + 100yr SLR (ft)	Average Ground Elev (ft)	SLR Impact
SFPUC SEP (San Francisco Public Utilities Commission Southeast Plant)	750 Phelps St, San Francisco, California, 94124	Alameda Creek	0.97	2.0	5.8	Plant	VE	10.0	11.0	12.0	15.8	15.9	Site is not impacted by sea level rise 10 of 37 Plants
EBMUD (East Bay Municipal Utilities District)	2020 Wake Ave, Oakland, California, 94607	Alameda Creek	0.97	2.0	5.8	Plant	VE	9.0	10.0	11.0	14.8	13.0	Within 100 years, site will be impacted by sea level rise 7 of 37 Plants
SFO (San Francisco International Airport)	Clearwater Dr, San Francisco, California, 94128	Alameda Creek	0.97	2.0	5.8	Plant	VE	10.0	11.0	12.0	15.8	11.0	Within 30 years, site will be impacted by sea level rise 4 of 37 Plants
Cities of South San Francisco and San Bruno	195 Belle Air Rd, South San Francisco, California, 94080	Alameda Creek	0.97	2.0	5.8	Plant	AE	10.0	11.0	12.0	15.8	11.7	Within 50 years, site will be impacted by sea level rise 1 of 37 Plants
City of Millbrae	651 Magnolia Ave, Millbrae, California, 94030	Alameda Creek	0.97	2.0	5.8	Outfalls	VE	10.0	11.0	12.0	15.8	6.2	Within FEMA 100-yr flood hazard 15 of 37 Plants
City of Palo Alto	2501 Embarcadero Way, Palo Alto, California, 94303	Coyote Creek	1.1	2.2	6.2	Plant	AE	11.0	12.1	13.2	17.2	11.5	Within 30 years, site will be impacted by sea level rise 4 of 37 Plants
Cities of San Jose and Santa Clara	700 Los Esteros Rd, San Jose, California, 95134	Coyote Creek	1.1	2.2	6.2	Plant	AE	12.0	13.1	14.2	18.2	9.6	Within FEMA 100-yr flood hazard 15 of 37 Plants
City of Sunnyvale	1444 Borregas Ave, Sunnyvale, California, 94089	Coyote Creek	1.1	2.2	6.2	Plant	AE	11.0	12.1	13.2	17.2	9.9	Within FEMA 100-yr flood hazard 15 of 37 Plants
City of Livermore	101 W Jack London Blvd, Livermore, CA 94551	N/A	N/A	N/A	N/A	Plant	N/A	0.0	0.0	0.0	0.0	410.0	Site is not impacted by sea level rise 10 of 37 Plants
Dublin San Ramon Services District	7399 Johnson Dr, Pleasanton, CA 94588	N/A	N/A	N/A	N/A	Plant	N/A	0.0	0.0	0.0	0.0	327.0	Site is not impacted by sea level rise 10 of 37 Plants
City American Canyon	205 Wetlands Edge Rd, American Canyon, California, 94503	Port Chicago	1.1	2.2	6.2	Outfalls	AE	11.0	12.1	13.2	17.2	18.0	Site is not impacted by sea level rise 10 of 37 Plants
CCCSO (Central Contra Costa Sanitation District)	5019 Imhoff Dr, Martinez, California, 94553	Port Chicago	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	25.6	Site is not impacted by sea level rise 10 of 37 Plants
FSSD (Fairfield Suisun Sewer District)	1010 Chadbourne Rd, Fairfield, California, 94534	Port Chicago	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	15.1	Within 100 years, site will be impacted by sea level rise 7 of 37 Plants
City of Benicia	614 E 5th St, Benicia, California, 94510	Port Chicago	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	12.5	Within 100 years, site will be impacted by sea level rise 7 of 37 Plants
MVSD (Mt. View Sanitary District)	Arthur Rd, Martinez, California, 94553	Port Chicago	1.1	2.2	6.2	Outfalls	AE	10.0	11.1	12.2	16.2	13.3	Within 100 years, site will be impacted by sea level rise 7 of 37 Plants
DD (Delta Diablo)	2500 Pittsburg Antioch Hwy, Antioch, California, 94509	Port Chicago	1.1	2.2	6.2	Plant	AE	11.0	12.1	13.2	17.2	16.7	Within 100 years, site will be impacted by sea level rise 7 of 37 Plants
NSD (Napa Sanitation District)	Soscol Ferry Rd, Napa, California, 94558	Port Chicago	1.1	2.2	6.2	Outfalls	AE	11.0	12.1	13.2	17.2	6.1	Within FEMA 100-yr flood hazard 15 of 37 Plants
VS&FD (Vallejo Sanitation and Flood Control District)	450 Ryder St, Vallejo, California, 94590	Port Chicago	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	7.5	Within FEMA 100-yr flood hazard 15 of 37 Plants
RSD (Rodeo Sanitation District)	800 San Pablo Ave, Rodeo, California, 94572	Port Chicago	1.1	2.2	6.2	Plant	VE	13.0	14.1	15.2	19.2	9.4	Within FEMA 100-yr flood hazard 15 of 37 Plants
City of Hayward	3700 Enterprise Ave, Hayward, CA 94545	Redwood City	1.1	2.2	6.2	Plant	VE	10.0	11.1	12.2	16.2	14.8	Within 100 years, site will be impacted by sea level rise 7 of 37 Plants
City of Burlingame	1103 Airport Blvd, Burlingame, California, 94010	Redwood City	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	11.2	Within 30 years, site will be impacted by sea level rise 4 of 37 Plants
City of San Leandro	3000 Davis St, San Leandro, CA 94577	Redwood City	1.1	2.2	6.2	Plant	VE	10.0	11.1	12.2	16.2	8.3	Within FEMA 100-yr flood hazard 15 of 37 Plants
Oro Loma/Castro Valley Sanitary District	2655 Grant Ave, San Lorenzo, CA 94580	Redwood City	1.1	2.2	6.2	Plant	VE	10.0	11.1	12.2	16.2	7.2	Within FEMA 100-yr flood hazard 15 of 37 Plants
Union Sanitary District	5072 Benson Rd, Union City, CA 94587	Redwood City	1.1	2.2	6.2	Plant	VE	10.0	11.1	12.2	16.2	9.0	Within FEMA 100-yr flood hazard 15 of 37 Plants
City of San Mateo	2050 Detroit Dr, San Mateo, California, 94404	Redwood City	1.1	2.2	6.2	Plant	VE	10.0	11.1	12.2	16.2	6.3	Within FEMA 100-yr flood hazard 15 of 37 Plants
SVCW (Silicon Valley Clean Water)	1400 Radio Rd, Redwood City, California, 94065	Redwood City	1.1	2.2	6.2	Plant	VE	10.0	11.1	12.2	16.2	6.6	Within FEMA 100-yr flood hazard 15 of 37 Plants
SVCSO (Sonoma Valley County Sanitary District)	22675 8th St E, Sonoma, California, 95476	San Francisco	1.1	2.2	6.2	Plant	AE	11.0	12.1	13.2	17.2	24.8	Site is not impacted by sea level rise 10 of 37 Plants
City of Petaluma	3890 Cypress Dr, Petaluma, California, 94954	San Francisco	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	16.8	Site is not impacted by sea level rise 10 of 37 Plants
Novato Sanitary District	500 Davidson St, Novato, California, 94945	San Francisco	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	18.5	Site is not impacted by sea level rise 10 of 37 Plants
City of Richmond Municipal Sewer District	601 Canal Blvd, Richmond, California, 94804	San Francisco	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	26.3	Site is not impacted by sea level rise 10 of 37 Plants
SASM (Sewerage Agency of Southern Marin)	26 Corte Madera Ave, Mill Valley, California, 94941	San Francisco	1.1	2.2	6.2	Outfalls	AE	10.0	11.1	12.2	16.2	74.7	Site is not impacted by sea level rise 10 of 37 Plants
LGVSD (Las Gallinas Valley Sanitary District)	300 Smith Ranch Rd, San Rafael, California, 94903	San Francisco	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	15.2	Within 100 years, site will be impacted by sea level rise 7 of 37 Plants
Treasure Island	1220 Avenue M, San Francisco, California, 94130	San Francisco	1.1	2.2	6.2	Plant	VE	9.0	10.1	11.2	15.2	9.8	Within 30 years, site will be impacted by sea level rise 4 of 37 Plants
City of Pinole	2131 Pear St, Pinole, California, 94564	San Francisco	1.1	2.2	6.2	Outfalls	AE	11.0	12.1	13.2	17.2	6.2	Within FEMA 100-yr flood hazard 15 of 37 Plants
West County Wastewater District	2377 Garden Tract Road, Richmond, CA 94801	San Francisco	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	7.7	Within FEMA 100-yr flood hazard 15 of 37 Plants
CMSA (Central Marin Sanitation Agency)	1301 Andersen Dr, San Rafael, California, 94901	San Francisco	1.1	2.2	6.2	Plant	AE	10.0	11.1	12.2	16.2	7.6	Within FEMA 100-yr flood hazard 15 of 37 Plants
SMCSD (Sausalito-Marín City Sanitary District)	East Rd, Sausalito, California, 94965	San Francisco	1.1	2.2	6.2	Outfalls	VE	14.0	15.1	16.2	20.2	12.9	Within FEMA 100-yr flood hazard 15 of 37 Plants

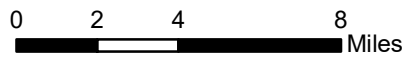
¹ Data from FEMA's National Flood Hazard Layer Website

² Data from Sea-Level Change Curve Calculator (2017.55) with Project Start Date of 2017

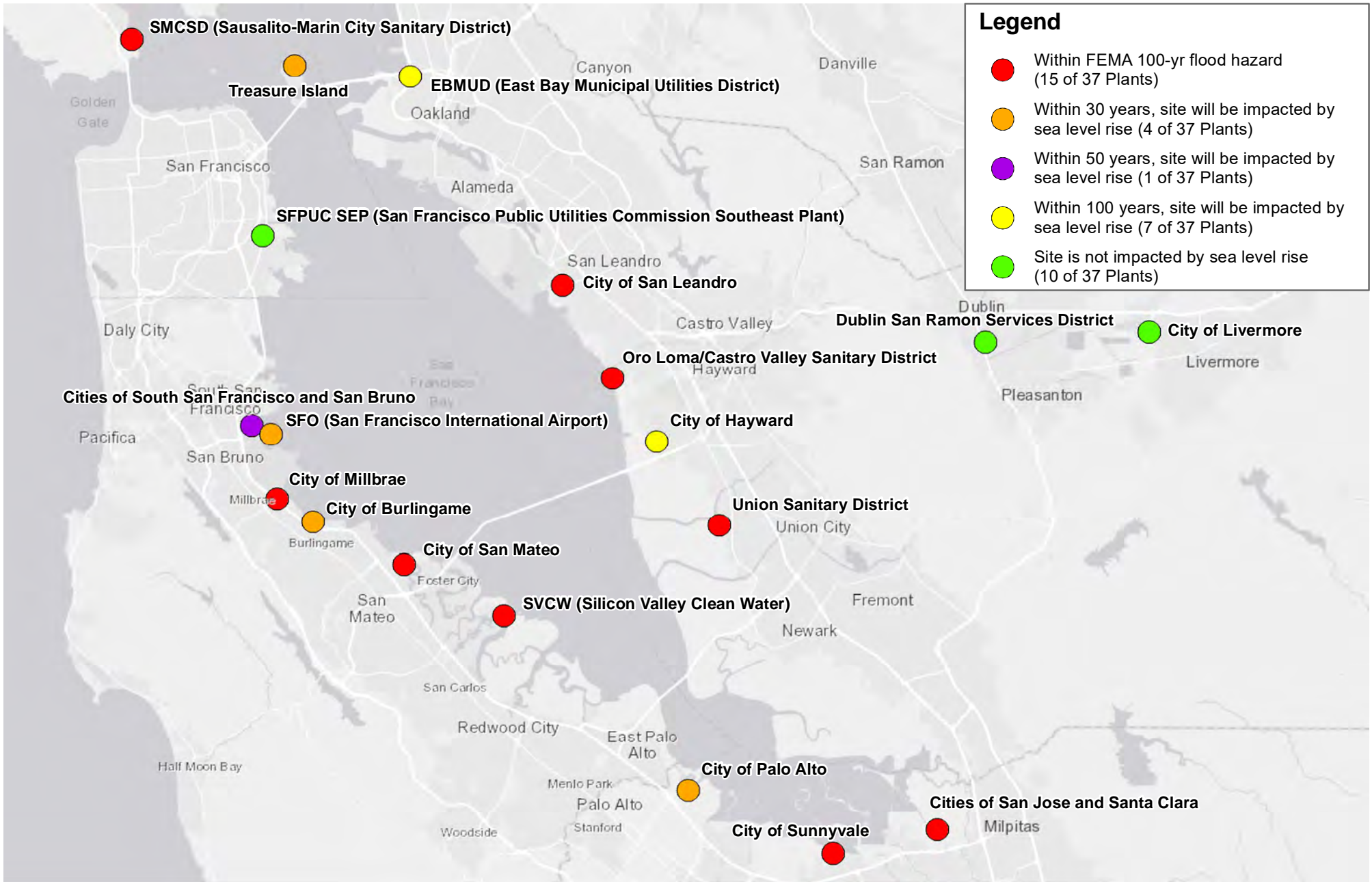


Legend

- Within FEMA 100-yr flood hazard (15 of 37 Plants)
- Within 30 years, site will be impacted by sea level rise (4 of 37 Plants)
- Within 50 years, site will be impacted by sea level rise (1 of 37 Plants)
- Within 100 years, site will be impacted by sea level rise (7 of 37 Plants)
- Site is not impacted by sea level rise (10 of 37 Plants)



BACWA-FLOOD HAZARD ASSESSMENT NORTH BAY
SAN FRANCISCO BAY NUTRIENTS WATERSHED PERMIT



BACWA-FLOOD HAZARD ASSESSMENT SOUTH BAY
SAN FRANCISCO BAY NUTRIENTS WATERSHED PERMIT

Sherry Hull

From: Sherry Hull
Sent: Tuesday, January 30, 2018 2:50 PM
To: Bruce Wolfe (Bwolfe@waterboards.ca.gov)
Cc: Dave Williams; Lorien Fono (Ifono@bacwa.org)
Subject: Update on the NMS Science Plan
Attachments: Annual Update to the Nutrient Management Strategy Science Plan .pdf

On behalf of David R. Williams:

Dear Mr. Wolfe,

In accordance with Provision VI.C.3.a Support Science Plan Development and Implementation of the Nutrient Watershed Permit Order No. R2-2014-0014, BACWA is hereby submitting, on behalf of the Dischargers, the annual update to the Nutrient Management Strategy Science Plan (see attached). This update provides an implementation and schedule for proposed studies for FY 18. The FY 18 Science Plan was presented to the NMS Steering Committee and was approved in June 2017. Let me know if you have any questions concerning this annual update.

David R. Williams
Executive Director
Bay Area Clean Water Agencies (BACWA)
Cell: 925-765-9616
Email: dwilliams@bacwa.org

Planning Subcommittee (PS) Meeting Summary No. 30

February 2, 2018

1:30 pm – 4:00 pm

Water Board Offices

Draft Meeting Summary

Attendees: Tom M., David S., Ian W., Mike C., David W.

Note: Action Items and Decisions are shown in *bold italic*.

1. Agenda Modifications: There were two additions to the agenda as shown in **red** below.

2. Review Outstanding Action items: Action Items from Planning Subcommittee #29 on November 21, 2017 were reviewed. Two Action Items had yet to be completed and are carried forward in these minutes as follows:

1. -Action Item: *SM to contact DWR and explore their interest in participating on the NMS SC*

2. -Action Item: *At the next PS meeting the Program Coordinating team will provide a rationale for use of the \$25k should the grant be approved.*

3. Science Program update

a. Staffing – The Science Manager (SM) reported that they had just hired a new post doc.

b. Other – A total of \$400k, coming from CCCSD, Regional San and the Delta Science Program has been secured to complete additional modeling work for the Delta/Suisun Bay. A recent coordination

meeting which included CCCSD, Regional San, Region 5 and the SFWCA was held to coordinate the effort. The modeling will be done in two Phases. The first phase will utilize the \$400k already secured and the second Phase will utilize the \$400k in funds coming from the SWRCB.

There was a brief discussion regarding the backlog of contracts at the SWRCB and how that might impact securing the \$400k from the State. The consensus was that the funds will likely be provided.

4. Priority Updates

a. Report-Outs/Discussion

- i. Science Plan Updates** – The SM reviewed the goals for updating the Science Plan (SP) which was first produced about 1 ½ years ago. The main intent is to update the SP better reflect the linkages to the Assessment Framework and the need to inform management actions. The six basis questions originally proposed are still valid. The consensus was that the SP does not need to go into intricate detail on all the subtasks that have been identified to help answer the basis questions.

The group engaged in a lengthy discussion of the progress on the model and the importance of running the model as early as possible to help inform the high priority work needed for the SP. The goal is to have a robust calibrated model with a well-developed Assessment Framework that will help inform any management actions needed during the term of the 3rd Watershed permit in 2024.

- ii. **Trends and the Assessment Framework** – At a previous Steering Committee (SC) meeting the decision was that going forward the Assessment Framework (AF) will not be looking for specific impairment, rather it will be focused on identifying trends that will help determine whether the Bay is getting better, worse or staying the same.

- iii. **BACWA Update** - The group briefly discussed the Group Annual Report presented by HDR at the Annual BACWA Meeting in January. There has been a somewhat significant increase in ammonia and DIN in the Bay over the last several years. HAB blooms have more or less disappeared. A question was raised as to when will the science team be able to distinguish process changes versus changes in loadings.

The SM pointed out that silica concentrations have been going up in the Bay and this may be linked to invasive clam species eating all the phytoplankton which could be a reason for the increased DIN concentrations. A question that has been asked is; “If we are not using all the nitrogen in the Bay now, why is there a concern about adding more”? One reason may be in the impact of nitrogen loadings to the coastal ocean. It might be worthwhile to look at correlations with in-Bay loading and increases in coastal concentrations.

- iv. **Other issues** – There were no other issues discussed.

b. Current Issues

i. **TBD** – none

c. NMS Calendar Review

i. **Review future SC and PS meeting schedules** – The next SC meeting is scheduled for March 9th. A Planning Subcommittee was set for March 2nd at 12:30 pm, immediately following the BACWA Joint Meeting with the WB. **Action Item: The SM needs to get the SC agenda to the out early in the week of March 5th.**

5. Other Updates

a. **Future funding scenarios** – The group briefly discussed future funding opportunities. It was noted that the USGS may be helping fund a post doc for the science program. BACWA asked if more funding for the science program might be coming from the State. The WB stated not in the short term

b. Models – Discussed earlier in the agenda.

6. Planning the next Steering Committee meeting

a. **Review of Action items from meeting** – The one Action Item was reviewed, plus the two held over from the previous meeting.

b. **Agenda planning** – At the March meeting a draft program budget for FY 19 should be presented. The SM will provide a suite of projects that could be pursued should early payment of funds for the science program be approved by BACWA. Other items for the agenda could be the budget status plus several science project updates.

c. **Next steps** - none

7. Adjourn or address Parking Lot items - The meeting was adjourned at 4:00 pm

8. Parking Lot of Identified PS Future Agenda Items

- a. Brainstorming on future priorities for the PS**
- b. EPA nutrient criteria discussion**
- c. Discuss concept of holding an annual forum on nutrients**

**SAN FRANCISCO BAY RESTORATION AUTHORITY
GRANT PROPOSALS RECEIVED - ROUND 1**

Organization	Project Name	Amount Requested	Project Type (Habitat; Public Access/Habitat; Flood/Habitat)	Project Phase(s) (Planning, Other, Permitting, Design, Construction/ Implementation, Operations, Maintenance, Monitoring)	Region (N/E/S/W)	County
East Bay Regional Park District	Coyote Hills Restoration and Public Access Project- Phase 2: Initial Vegetation Management, Engineering/Design, Permitting	\$568,000	Public Access/Habitat	Planning, Other (Vegetation Mgmt.)	E	Alameda
San Mateo County Parks Department	Coyote Point Eastern Promenade Shoreline Project	\$1,000,000	Public Access/Habitat	Construction/ Implementation	W	San Mateo
East Bay Regional Park District	Encinal Dune Restoration and Public Access	\$450,000	Public Access/Habitat	Construction/ Implementation	E	Alameda
Montezuma Wetlands LLC (MWLLC)	Montezuma Tidal and Seasonal Wetlands Restoration Project – Phase I Tidal Wetlands Area	\$1,610,000	Flood/Habitat	Design; Maintenance; Monitoring; Construction/ Implementation	N	Solano
Montezuma Wetlands LLC (MWLLC)	Montezuma Tidal and Seasonal Wetlands Restoration Project	\$5,400,000	Flood/Habitat	Operations	N	Solano
City of San Leandro	San Leandro Treatment Wetland for Pollution Reduction, Habitat Enhancement and Shoreline Resiliency	\$539,000	Flood/Habitat, Public Access/Habitat	Planning; Design; Permitting	E	Alameda
Napa County Flood Control and Water Conservation District	An Integrated Sediment Monitoring and Management Plan for the Napa River	\$650,000	Habitat, Public Access/Habitat, Flood/Habitat	Planning; Design; Monitoring	N	Napa
San Francisquito Creek Joint Powers Authority	Tidal Marsh and Upland Habitat Enhancements in Faber Tract Marsh	\$361,235	Flood/Habitat	Construction/ Implementation	W	San Mateo
Point Blue Conservation Science	Restoring wetland-upland transition zone habitat in the North Bay with STRAW	\$2,661,264	Habitat, Public Access/Habitat, Flood/Habitat	Design; Construction/ Implementation; Maintenance; Monitoring	N	Sonoma, Marin
Santa Clara Valley Water District	South San Francisco Bay Shoreline Project for Economic Impact Area 11	\$15,000,000	Habitat, Flood/Habitat, Public Access/Habitat	Permitting; Design; Construction/ Implementation; Manintenance; Monitoring	S	Santa Clara
Ducks Unlimited, Inc.	South Bay Salt Ponds Restoration Project, Phase 2	\$8,021,730	Habitat, Public Access/Habitat, Flood/Habitat	Planning; Permitting; Design; Construction/ Implementation; Monitoring	W,E,S	San Mateo, Alameda, Santa Clara
Sonoma County Water Agency	Hudeman Slough Enhancement Wetlands Education and Public Access Improvements	\$78,775.31	Public Access/Habitat	Planning; Design; Construction/ Implementation	N	Sonoma, Marin
Marin County Flood Control District	Deer Island Basin Phase I Tidal Wetlands Restoration Project	\$630,000	Habitat, Public Access/Habitat, Flood/Habitat	Permitting; Design; Construction/ Implementation; Maintenance; Monitoring	N	Marin

**SAN FRANCISCO BAY RESTORATION AUTHORITY
GRANT PROPOSALS RECEIVED - ROUND 1**

City of San Rafael	Spinnaker Marsh Tidal Marsh Restoration and Shoreline Flood Protection Improvement Project	\$432,400	Habitat, Flood/Habitat, Public Access/Habitat	Planning; Design	N	Marin
Sonoma Land Trust	Restoration Strategy for Lower Sonoma Creek	\$150,000	Habitat, Public Access/Habitat, Flood/Habitat	Planning	N	Sonoma
San Francisco Bay Joint Venture	Fundamental Accountability Tool	\$460,000	Habitat, Public Access/Habitat, Flood/Habitat	Planning	N, S, E, W	Sonoma, Marin, Napa, Solano, San Francisco, San Mateo, Alameda, Contra Costa, Santa Clara
City of Petaluma	Beneficial Re-use of Petaluma River and Marina dredging spoils (Phase I)	\$732,000	Habitat, Public Access/Habitat, Flood/Habitat	Planning; Permitting; Design; Construction/Implementation; Maintenance; Monitoring	N	Sonoma
Sonoma County Regional Parks	Hudeman Slough Habitat Enhancement and Public Access	\$225,000	Public Access/Habitat	Permitting; Design; Construction/Implementation; Monitoring	N	Sonoma
City of South San Francisco	Oyster Point Restoration Project	\$300,000	Public Access/Habitat	Construction/Implementation	W	Sonoma
City/County of San Francisco, Recreation and Park Department	900 Innes Remediation	\$4,998,600	Habitat	Planning; Permitting; Design; Construction/Implementation	W	San Francisco
Hayward Area Shoreline Planning Agency (HASPA)	Hayward Shoreline Restoration Project-Oliver Salt Ponds & Hayward Shoreline Interpretive Center (HSIC)	\$3,210,000	Habitat, Public Access/Habitat, Flood/Habitat	Planning; Permitting; Design; Construction/Implementation; Monitoring; Operations	E	Alameda
Western Ecological Research Center, US Geological Survey	A Novel Approach to Enhancing Subtidal Habitat for Pacific Herring, Shellfish, and Birds in San Francisco Bay	\$263,124.51	Habitat	Planning; Permitting; Design; Construction/Implementation; Operations; Maintenance; Monitoring	N, E, S	Marin, Alameda, Solano
TOTAL		\$47,741,129				



DRAFT

Executive Board Special Meeting Agenda

SF Bay Regional Water Board / BACWA Executive Board Joint Meeting

March 2, 2018 10:00 AM -12:00 PM

SF Bay Water Board, 1515 Clay Street, St. 1400 Oakland, CA

ROLL CALL AND INTRODUCTIONS – 10:00

PUBLIC COMMENT – 10:05

DISCUSSION/OTHER BUSINESS- 10:10

Topic	Goal	Time
1. Nutrients		10:15
a. Optimization and Upgrade Studies	<ul style="list-style-type: none"> • Update on progress of optimization/upgrade studies 	
b. Science Funding	<ul style="list-style-type: none"> • Sea level rise analysis • Feedback from Regional Water Board on nutrient Presentations at Annual Meeting • Advance on funding for the NMS 	
2. Near shore discharge permitting	<ul style="list-style-type: none"> • Oro Loma model for near shore discharge permitting? 	10:45
3. Blending agencies permits	<ul style="list-style-type: none"> • CMSA Permit and petition • Plans for next permits? 	10:55
4. SSS WDR Update	<ul style="list-style-type: none"> • Regional Water Board recommendations on changes • BACWA workgroup to propose changes 	11:10
5. Recycled Water Policy	<ul style="list-style-type: none"> • Regional Water Board ideas on transition to General Order vs. updating 96-11 	11:20
6. Joint meeting between Water Board and Air District	<ul style="list-style-type: none"> • Agenda to be developed in March 	11:35
7. CECs update	<ul style="list-style-type: none"> • BACWA White Paper on POTW Participation 	11:45
8. Cannabis Grow Permitting	<ul style="list-style-type: none"> • Update on pretreatment activities and Regional Water Board expectations • Redwood Empire CWEA Chapter holding training 2/17 	11:55

ADJOURNMENT

**Sanitary Sewer Waste Discharge Regulations
SWRCB Potential Areas for Consideration of the WDR
CWEA Collection System Workshop, Sacramento, CA
January 10, 2018**

The representatives from the SWRCB discussed their desires for a collaborative conversation of changes that maybe considered in possible revisions to the 2006 WDR and 2013 MRP. The very much are seeking input from the profession before drafting any potential changes or revisions. They have been meeting across the state with stakeholders at seven (7) workshops conducted by the CWEA in the past year. The following are the point of discussion raised by the State at the Sacramento Workshop attended by approximately 130 collection system professionals. The 130 included agency personnel, representatives from the SWRCB and RWQCB Regions 2 and 5R – estimated at 15 to 20 persons and a few consultants. The workshop presentations from yesterday and the previous CWEA workshops are available at <http://library.cwea.org/2017-collection-system-workshops/>

The SWRCB stated goals for the WDR update from their presentation yesterday are as follows:

1. Update requirements for present and future conditions
 - a) Private systems
 - b) Address changing sewerage and flow characteristics causing spills
2. Incorporate efficiencies to maximize value for cost of compliance
 - a) Remove no longer requirements
 - b) Provide templates and checklists
 - c) Increase clarity of requirements
3. Implement new federal “analytical methods” requirements
 - a) Increase data quality
4. Improve quality of CIWQS Data
5. Remove no-longer-necessary requirements
6. Add regulations for larger private collection systems
7. Address climate change impacts.

With the above goals here are the items raised at the workshop by the attendees:


1. Better alignment of the two-year audit and the five-year SSMP recertification requirements – one audit six months before SSMP reauthorization?
2. SSMP Change Log – clarification regarding retention and level of detail – use as evidence of proper and compliant SSMP implementation – additional guidance
3. How can spill notifications be streamlined?
4. Should reporting requirements of small volume overflows be minimized?

5. How should climate change be addressed in local program plans? Planning requirements for present and future climate change impacts – see SWRCB Policy on Climate Change
6. What is the minimum size of private systems and/or laterals that should be regulated?
7. Elimination of requirements that no longer produce value
8. More efficiencies through templates and checklists available as tools for agencies
9. “Make regulations make sense” – SWRCB comment

Other issues raised by the workshop participants:

- A. De Minimus volume reporting
- B. Compliance requirements based upon performance results – audits and readoption
- C. Concerns that one audit in 5 years is not enough – more pressure on change logs
- D. Spill notification streamlining – longer period – this maybe driven by the Health & Safety Code requirements in law.
- E. Addition of funding requirements to force agency governing boards to approve increases or provide collection system support - Friendly enforcement orders
- F. Mandatory operator certification
- G. Use of technology for reporting – especially OES notifications
- H. Communications between operations and engineering – lots of discussion on this issue – possible sign-off requirements for capital by operations
- I. CASA Letter with issues stated
- J. Use of standardized reporting forms across all agencies
- K. Impacts of wipes on system operations
- L. Emphasis on best asset management practices
- M. Recognition of efficiencies especially that reduce or eliminate rate increases
- N. CIWQS data training and education on use of CIWQS data
- O. Acceptance programs for new asset additions

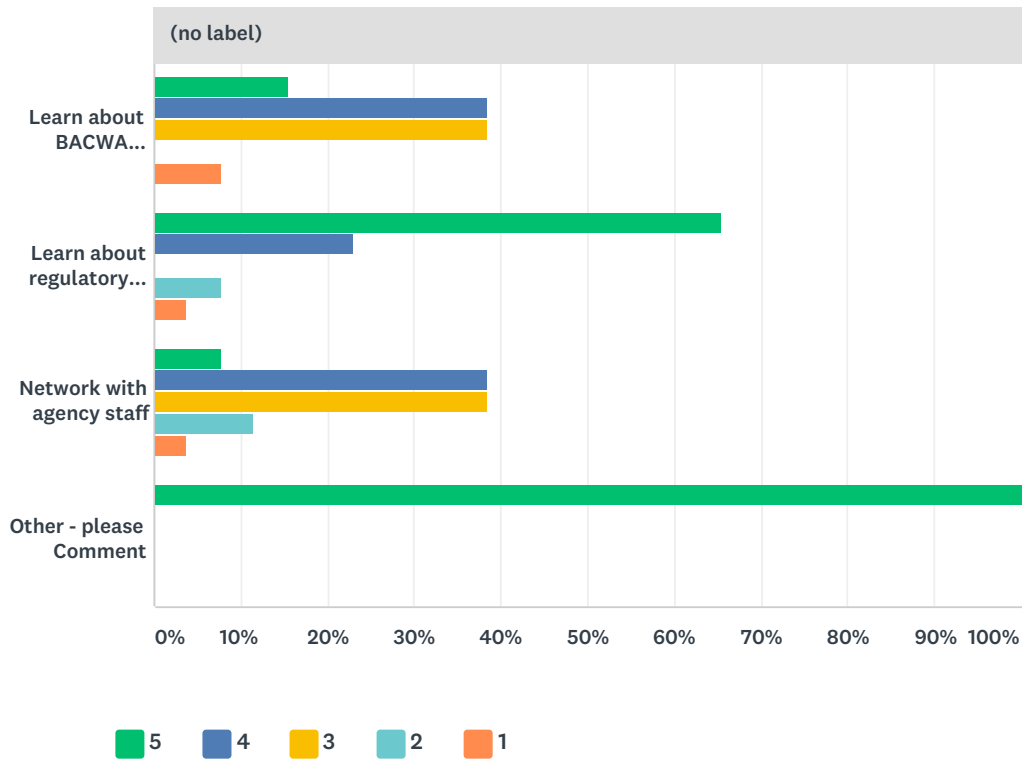
- P. “Hot spot” programs
- Q. CIP evaluations especially in high risk areas
- R. DE chlorination of SSO wash water before use in the field
- S. Developed and implemented WQMPs

							
BACWA FY18 BUDGET	Line Item Description	FY 2018 Budget	Actuals Dec 2017	Actual % of Budget Dec 2017	Variance	FY 2019 Budget DRAFT	NOTES
50%							
REVENUES & FUNDING							
Dues	Principals' Contributions	\$487,095	\$487,095	100%	\$0	\$496,837	FY19: 2% increase.
	Associate & Affiliate Contributions	\$178,573	\$175,404	98%	-\$3,169	\$182,144	FY19: 2% increase. Assoc: \$8,090; Affiliate: \$1,600 (\$197 over budget)
Fees	Clean Bay Collaborative	\$675,000	\$673,500	100%	-\$1,500	\$675,000	Prin: \$450,000; Assoc/Affil: \$225,000
	Nutrient Surcharge	\$800,000	\$800,008	100%	\$8	\$800,000	Prin: \$533,335; Assoc/Affil: \$266,673
	Voluntary Nutrient Contributions	\$30,000	\$30,000	100%	\$0	\$0	FY18: Palo Alto (\$30k)
Other Receipts	Other Receipts	\$0	\$0		\$0	\$0	Carry forward of Passthrough funds for Pharm Study into FY18 (Remove)
	AIR Non-Member	\$6,477	\$6,477	100%	\$0	\$6,800	5% increase (Santa Rosa)
	BAPPG Non-Members	\$3,774	\$3,774	100%	\$0	\$3,800	2% increase (Sta Rosa, Sac Reg'l, Vacaville)
	Other	\$0	\$0		\$0	\$0	
Fund Transfer	Special Program Admin Fees	\$2,550	\$0	0%	-\$2,550	\$5,000	FY19: BACWWE increase in FY19 , may include Prop 84 Admin Fees for FY16, FY17 and FY18 if closed out
Interest Income	LAIF	\$12,000	\$11,914	99%	-\$86	\$20,000	BACWA, Legal, & CBC Funds invested in LAIF
	Higher Yield Investments	\$10,000	\$5,763	58%	-\$4,237	\$3,500	Alternative Investment Interest (Legal & CBC Funds invested in AltInv)
	Total Revenue	\$2,205,469	\$2,193,935	99%	-\$11,534	\$2,193,081	
BACWA FY18 BUDGET							
BACWA FY18 BUDGET	Line Item Description	FY 2018 Budget	Actuals Dec 2017	Actual % of Budget Dec 2017	Variance		NOTES
EXPENSES							
Labor	Executive Director	\$195,998	\$97,999	50%	-\$97,999	\$201,682	2.9% CPI (SF/Oakland/San Jose Metro Area Dec 2017)
	Assistant Executive Director	\$87,975	\$42,404	48%	-\$45,571	\$90,526	2.9% CPI (SF/Oakland/San Jose Metro Area Dec 2017)
	Regulatory Program Manager	\$116,438	\$46,528	40%	-\$69,910	\$119,815	2.9% CPI (SF/Oakland/San Jose Metro Area Dec 2017)
	Total	\$400,411	\$186,931	47%	-\$213,480	\$412,023	
Administration	EBMUD Financial Services	\$40,000	\$9,946	25%	-\$30,054	\$40,800	2% increase
	Auditing Services (Maze)	\$6,300	-\$59	-1%	-\$6,359	\$6,426	FY19: \$6,300 Accrued from FY18 to FY19, less \$? paid for FY18 in July 2018. New Agrmt with Maze in FY19
	Administrative Expenses	\$7,500	\$3,033	40%	-\$4,467	\$7,650	Travel, Supplies, Parking, Mileage, Tolls, Misc.
	Insurance	\$4,500	\$4,278	95%	-\$222	\$4,590	2% increase
	Total	\$58,300	\$17,198	29%	-\$41,102	\$59,466	
Meetings	EB Meetings	\$2,500	\$897	36%	-\$1,603	\$2,550	2% increase. Catering, Venue, other expenses
	Annual Meeting	\$10,000	\$4,787	48%	-\$5,213	\$10,200	2% increase. Catering, Venue, other expenses. (Deposit to hold venue + deposit to hold caterer)
	Pardee	\$6,000	\$5,323	89%	-\$677	\$6,120	2% increase. Catering, Venue, other expenses
	Misc. Meetings	\$5,000	\$2,796	56%	-\$2,204	\$5,100	2% increase. Holiday & Committee Chair Lunch, Staff Mtgs, Finance Comm, Summit Partners, CASA, NACWA Tech WS
	Total	\$23,500	\$13,803	59%	-\$9,697	\$23,970	
Communication	Website Hosting (Computer Courage)	\$600	\$600	100%	\$0	\$600	No increase predicted
	File Storage (Box.net)	\$750	\$720	96%	-\$30	\$750	
	Website Development/Maintenance	\$1,200	\$557	46%	-\$643	\$1,500	Domains, website changes (will be over budget by about \$800 in FY18)
	IT Support (As Needed)	\$2,600	\$68	3%	-\$2,532	\$2,600	
	Other Commun (MS, SM, Code42, PollEv)	\$1,100	\$779	71%	-\$321	\$1,000	MS Exchange, Survey Monkey, CrashPlanPro (2), PollEv
	Total	\$6,250	\$2,724	44%	-\$3,526	\$6,450	

EXPENSES							
Legal							
	Regulatory Support	\$2,550	\$0	0%	-\$2,550	\$2,601	2% increase
	Executive Board Support	\$2,050	\$510	25%	-\$1,540	\$2,091	2% increase
	Total	\$4,600	\$510	11%	-\$4,090	\$4,692	
Committees							
	All Committee Budgets ae Tentative: have requested confirmation from Committee Leaders						
	AIR	\$50,000	\$19,398	39%	-\$30,602	\$51,000	FY18: Agrmt with Carollo for \$50,000. RPM lunches included, but not in budget. FY19: Lunches included
	BAPPG	\$100,000	\$54,211	54%	-\$45,789	\$100,000	Includes CPSC @ \$10,000 and Pest. Reg Spt. @ \$15,000
	Biosolids Committee	\$3,100	\$265	9%	-\$2,835	\$3,100	Includes WEF Conf
	Collections System	\$1,000	\$0	0%	-\$1,000	\$1,000	
	InfoShare Groups	\$1,200	\$299	25%	-\$901	\$1,200	Funds for 2 workgroups (Asset Mgmt & O&M)
	Laboratory Committee	\$6,000	\$0	0%	-\$6,000	\$4,000	Includes Tech Conf, may be a request for training funds.
	Permits Committee	\$1,000	\$0	0%	-\$1,000	\$1,000	
	Pretreatment	\$7,000	\$614	9%	-\$6,386	\$1,000	May be a request for training funds
	Recycled Water Committee	\$1,000	\$0	0%	-\$1,000	\$1,000	
	Misc Committee Support	\$35,000	\$12,514	36%	-\$22,486	\$35,000	Carollo Rule 11-18 work paid from here
	Manager's Roundtable	\$1,000	\$191	\$0	-\$809	\$1,000	New line item in FY18
	Total	\$206,300	\$87,492	42%	-\$118,808	\$199,300	
Collaboratives							
	Collaboratives						
	State of the Estuary (SFEP-biennial)	\$0	\$0		\$0	\$20,000	Biennial in Odd Years. (Paid biennially in odd years for even year conference)
	Aleen Navarret Award	\$1,000	\$0		-\$1,000	\$0	Biennial in Even Years
	FWQC (Fred Andes)	\$7,500	\$0	0%	-\$7,500	\$7,500	Dues unchanged in FY19
	Stanford ERC (ReNUWit)	\$10,000	\$0	0%	-\$10,000	\$10,000	
	Misc	\$3,000	\$5,000	167%	\$2,000	\$5,000	FY18 Actuals: Includes \$5,000 to PPIC approved by Board Sept, 2017
	Total	\$21,500	\$5,000	23%	-\$16,500	\$42,500	
Other							
	Unbudgeted Items						
	Passthrough	\$0	\$23,100		-\$23,100	\$0	FY18: Passthrough for Pharm Study; REMOVE IN FY19
	Other	\$0	\$0		\$0	\$0	Misc Expense Items Not Budgeted (Placeholder for Actuals)
		\$0	\$23,100		\$0	\$0	
Tech Support							
	Technical Support						
	Nutrients						
	Watershed	\$880,000	\$880,000	100%	\$0	\$880,000	
	NMS Voluntary Contributions	\$0	\$200,000		\$200,000	\$200,000	FY18: \$200,000 add'l funds approved by Board August 2017
	Additional work under permit	\$100,000	\$0	0%	-\$100,000	\$100,000	FY18: Increased at Board's request
	Opt/Upgrade/Annual Reporting Studies	\$372,298	\$26,304	7%	-\$345,994	\$25,000	FY19: Balance remaining on agreement at end of FY18 (est)
	Nutrient Program Coordination	\$50,000	\$0	0%	-\$50,000	\$0	REMOVE in FY19
	Member Voluntary Nutrient Contributions	\$30,000	\$0	0%	-\$30,000	\$0	FY18: Palo Alto (\$30k)
	General Tech Support	\$50,000	\$9,942	20%	-\$40,058	\$51,000	2% increase. EOA ChlResidBPA continues into FY19
	Risk Reduction	\$0	\$7,975		\$7,975	\$10,000	
	Total	\$1,482,298	\$1,124,221	76%	-\$358,077	\$1,266,000	
	TOTAL EXPENSES	\$2,203,159	\$1,460,979	66%	-\$742,180	\$2,014,401	
	NET INCOME BEFORE TRANSFERS	\$2,310	\$732,956		\$730,646	\$178,680	
	TRANSFERS FROM RESERVES	\$0	\$0		\$0	\$0	
	NET INCOME AFTER TRANSFERS	\$2,310	\$732,956		\$730,646	\$178,680	

Q1 What is your main reason for attending the annual meeting? Please rank your choices, choosing 5 as the MOST important reason and 1 as the LEAST important reason (or adding our own reason).

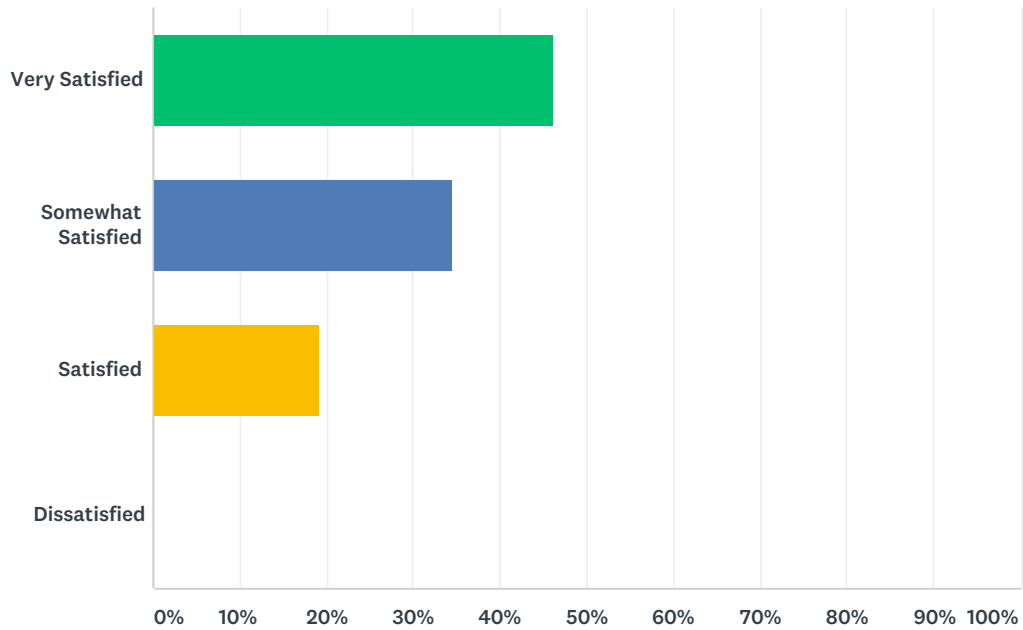
Answered: 26 Skipped: 0



(no label)						
	5	4	3	2	1	TOTAL
Learn about BACWA activities in the last year	15.38%	38.46%	38.46%	0.00%	7.69%	26
	4	10	10	0	2	
Learn about regulatory developments	65.38%	23.08%	0.00%	7.69%	3.85%	26
	17	6	0	2	1	
Network with agency staff	7.69%	38.46%	38.46%	11.54%	3.85%	26
	2	10	10	3	1	
Other - please Comment	100.00%	0.00%	0.00%	0.00%	0.00%	1
	1	0	0	0	0	

Q2 How satisfied were you overall with the presentations?

Answered: 26 Skipped: 0

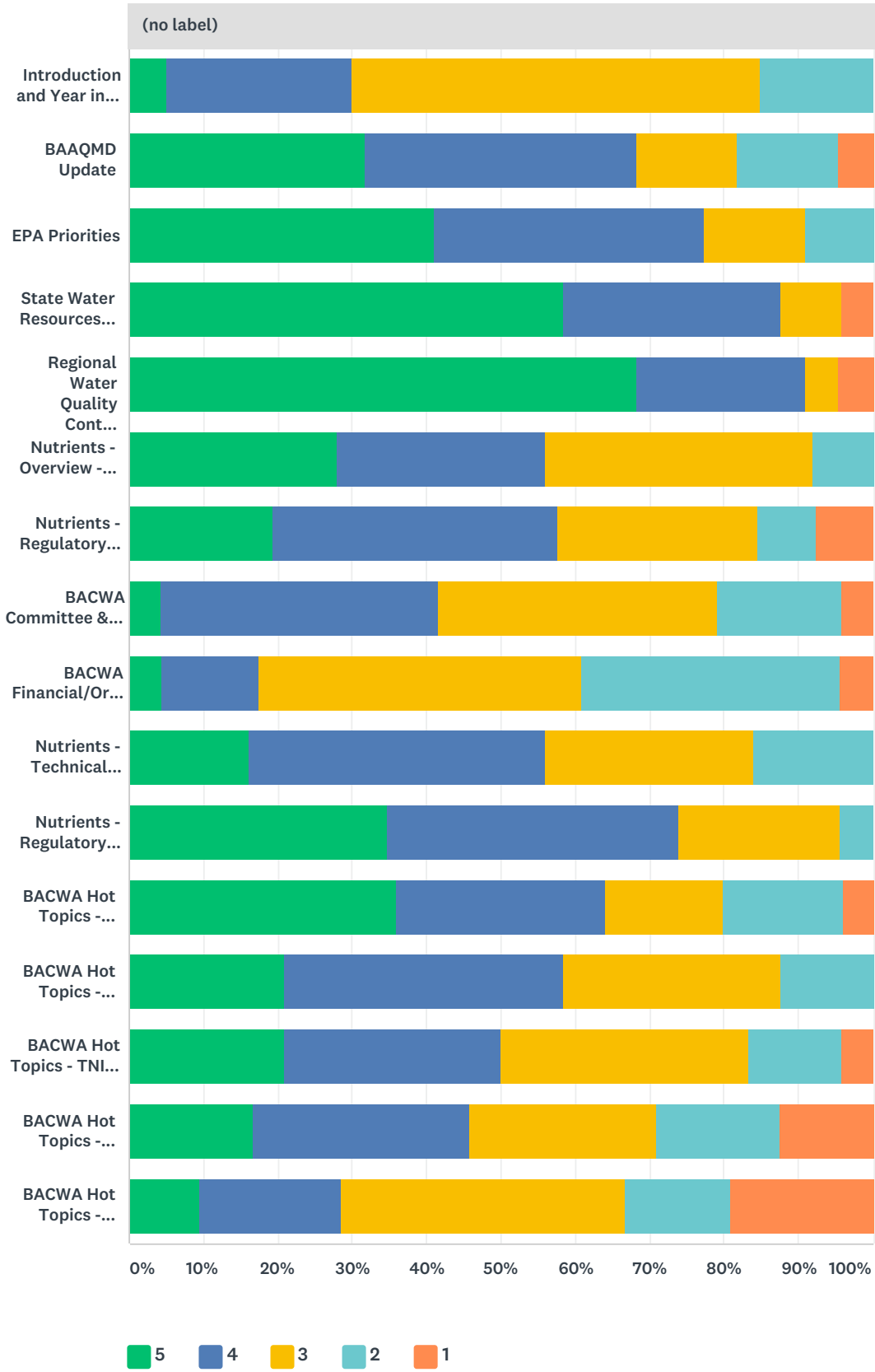


ANSWER CHOICES	RESPONSES
Very Satisfied	46.15% 12
Somewhat Satisfied	34.62% 9
Satisfied	19.23% 5
Dissatisfied	0.00% 0
TOTAL	26

Q3 What topics did you find MOST useful and/or interesting? Please rank your choices, choosing 5 as the MOST useful and/or interesting and 1 as the LEAST useful and/or interesting.

Answered: 26 Skipped: 0

BACWA Annual Members Meeting 2018



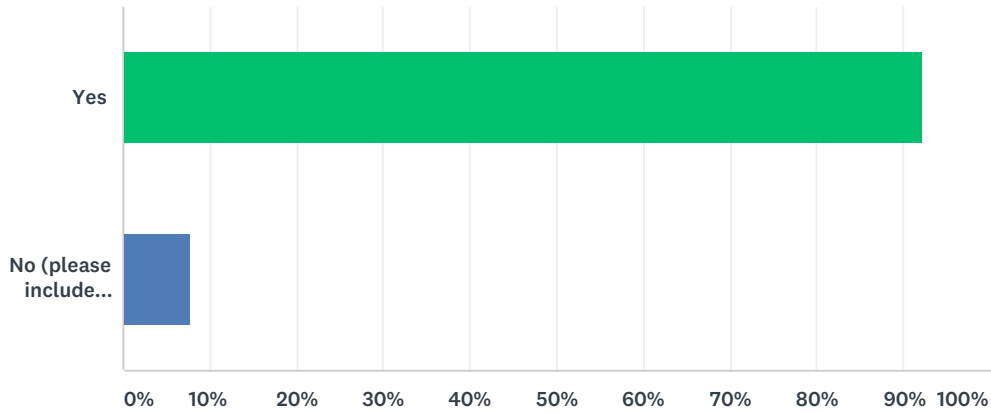
(no label)	5	4	3	2	1	TOTAL
Introduction and Year in Review	5.00%	25.00%	55.00%	15.00%	0.00%	20
	1	5	11	3	0	

BACWA Annual Members Meeting 2018

BAAQMD Update	31.82% 7	36.36% 8	13.64% 3	13.64% 3	4.55% 1	22
EPA Priorities	40.91% 9	36.36% 8	13.64% 3	9.09% 2	0.00% 0	22
State Water Resources Control Board Priorities	58.33% 14	29.17% 7	8.33% 2	0.00% 0	4.17% 1	24
Regional Water Quality Control Board Priorities	68.18% 15	22.73% 5	4.55% 1	0.00% 0	4.55% 1	22
Nutrients - Overview - Progress on 1st Watershed Permit/Governance Update	28.00% 7	28.00% 7	36.00% 9	8.00% 2	0.00% 0	25
Nutrients - Regulatory Update - Optimization/Upgrade Studies	19.23% 5	38.46% 10	26.92% 7	7.69% 2	7.69% 2	26
BACWA Committee & Leadership Recognition	4.17% 1	37.50% 9	37.50% 9	16.67% 4	4.17% 1	24
BACWA Financial/Organizational Outlook	4.35% 1	13.04% 3	43.48% 10	34.78% 8	4.35% 1	23
Nutrients - Technical Update - SFEI Study Findings/Assessment Framework/Future Efforts	16.00% 4	40.00% 10	28.00% 7	16.00% 4	0.00% 0	25
Nutrients - Regulatory Update - Preview of the 2nd Watershed Permit	34.78% 8	39.13% 9	21.74% 5	4.35% 1	0.00% 0	23
BACWA Hot Topics - Biosolids	36.00% 9	28.00% 7	16.00% 4	16.00% 4	4.00% 1	25
BACWA Hot Topics - Recycled Water Policy	20.83% 5	37.50% 9	29.17% 7	12.50% 3	0.00% 0	24
BACWA Hot Topics - TNI Lab Standards	20.83% 5	29.17% 7	33.33% 8	12.50% 3	4.17% 1	24
BACWA Hot Topics - Chlorine Residual BPA	16.67% 4	29.17% 7	25.00% 6	16.67% 4	12.50% 3	24
BACWA Hot Topics - Enhancing Service to the Membership	9.52% 2	19.05% 4	38.10% 8	14.29% 3	19.05% 4	21

Q4 Did you find the overall length of the meeting to be appropriate? If not, please explain.

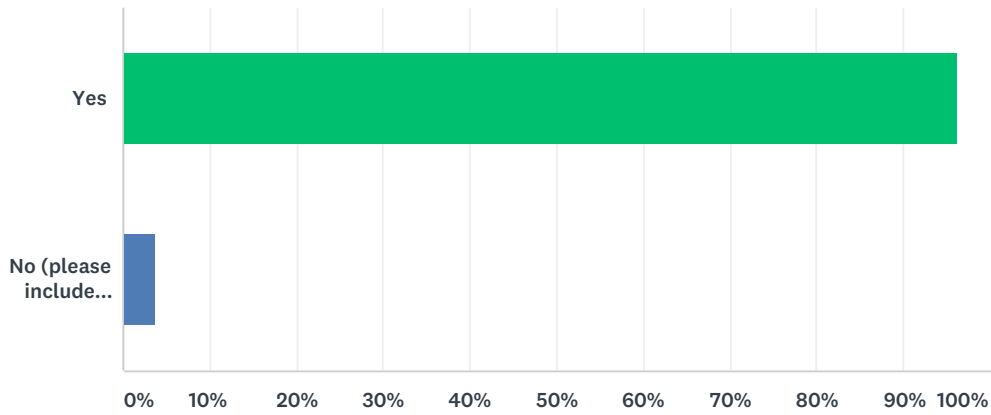
Answered: 26 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	92.31%	24
No (please include comment)	7.69%	2
TOTAL		26

Q5 Would you recommend that we continue to have the meeting at this venue? (Scottish Rite Center, Oakland) Please explain and/or suggest another venue and why it would be better.

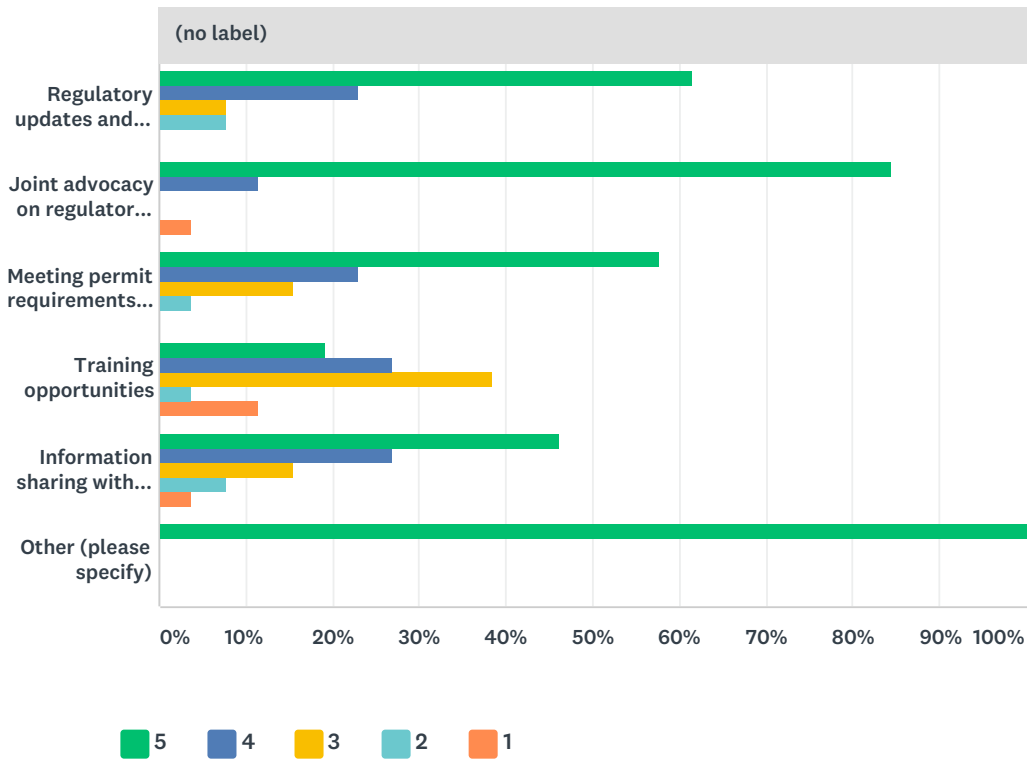
Answered: 26 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	96.15%	25
No (please include comment)	3.85%	1
TOTAL		26

Q6 What is the most important benefit that you receive from BACWA membership? Please rank your choices, choosing 5 as the MOST beneficial and 1 as the LEAST beneficial.

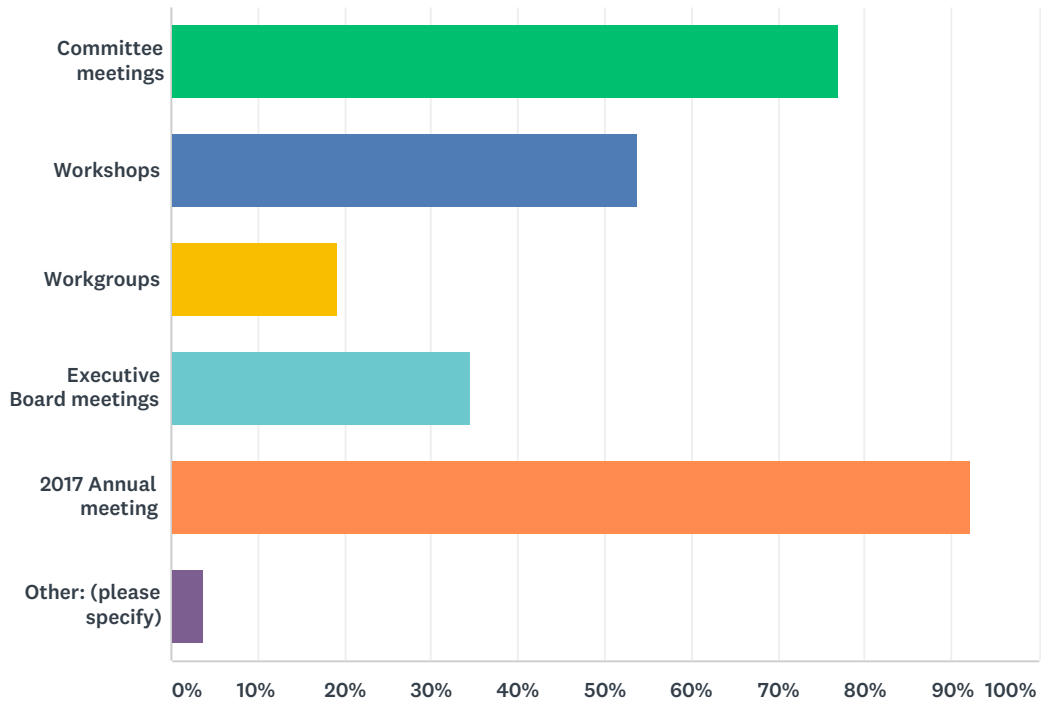
Answered: 26 Skipped: 0



(no label)	5	4	3	2	1	TOTAL
Regulatory updates and advocacy	61.54% 16	23.08% 6	7.69% 2	7.69% 2	0.00% 0	26
Joint advocacy on regulatory issues through BACWA rather than as individual agencies	84.62% 22	11.54% 3	0.00% 0	0.00% 0	3.85% 1	26
Meeting permit requirements through joint efforts on watershed permits vs. individual permits	57.69% 15	23.08% 6	15.38% 4	3.85% 1	0.00% 0	26
Training opportunities	19.23% 5	26.92% 7	38.46% 10	3.85% 1	11.54% 3	26
Information sharing with other agencies	46.15% 12	26.92% 7	15.38% 4	7.69% 2	3.85% 1	26
Other (please specify)	100.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	1

Q7 What BACWA events did you attend in 2017?

Answered: 26 Skipped: 0



ANSWER CHOICES	RESPONSES	
Committee meetings	76.92%	20
Workshops	53.85%	14
Workgroups	19.23%	5
Executive Board meetings	34.62%	9
2017 Annual meeting	92.31%	24
Other: (please specify)	3.85%	1
Total Respondents: 26		

Q8 What could BACWA do to better serve your agency?

Answered: 5 Skipped: 21

#	RESPONSES	DATE
1	Continue to ferret out the key outcomes and messages that the RWQCB wants to receive from the studies being conducted for the Bay and each subembayment. Provide a better gap analysis of the unknowns for each subembayment. It appears more is understood in some areas than others. It may help to incentivize individual agencies to contribute more funding to the science.	1/26/2018 4:14 PM
2	BACWA is great. Always there with the answer for me or who is the best to talk to about something. Keep up the good work and Thank you!	1/26/2018 6:31 AM
3	BACWA has done well so far, recommendations will come when new challenges arise.	1/25/2018 5:44 PM
4	N/A	1/25/2018 2:25 PM
5	send Dave to run our agency	1/25/2018 2:22 PM

Q9 Any other suggestions for improving the meeting?

Answered: 7 Skipped: 19

#	RESPONSES	DATE
1	The new polling feature of the meeting was nice. Keep that going. Consider webcasting it so people unable to dedicate the entire day can watch live.	1/26/2018 4:14 PM
2	I really liked the interactive questions. It was fun and interesting. Yes, there were some quirks to be worked out but I really liked that addition.	1/26/2018 6:31 AM
3	Associate a workshop with the meeting.	1/25/2018 5:44 PM
4	Meeting should be completed by 2:00pm	1/25/2018 2:47 PM
5	N/A	1/25/2018 2:25 PM
6	Balance out the agenda so its not all weighted to nutrients. A lot of attendees are interested in the other topics at hand. It is appreciated that agencies are spending a lot of money with BACWA on nutrients, but a lot of attendees that were seated near myself were tuning out after about the first hour on nutrients.	1/25/2018 2:24 PM
7	best one yet	1/25/2018 2:22 PM

BACWA Annual Meeting 2018

Current run (last updated Jan 21, 2018 9:51 pm)

7

Polls

91

Participants

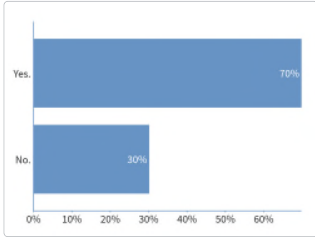
44

Average responses



Average engagement

Would you or your staff be interested in attending a review of all 37 POTW Opt/Upgrade reports?



Response options	Count	Percentage
Yes.	44	70%
No.	19	30%

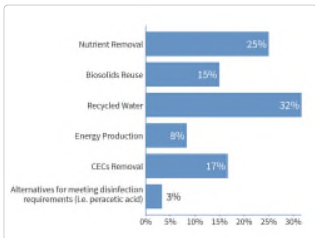


Engagement

63

Responses

Rank these topics from most to least interest for an innovative technology workshop. 1 = most interest; 6 = least interest



Response options	Count	Percentage
Nutrient Removal	15	25%
Biosolids Reuse	9	15%
Recycled Water	19	32%
Energy Production	5	8%
CECs Removal	10	17%
Alternatives for meeting disinfection requirements (i.e. peracetic acid)	2	3%

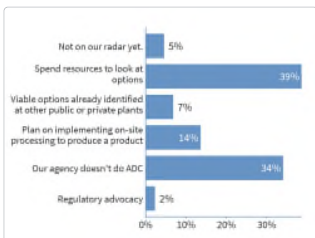


Engagement

60

Responses

What will you do to comply with the phase out of biosolid's use as ADC? (Click all that apply)



Response options	Count	Percentage
Not on our radar yet.	2	5%
Spend resources to look at options	17	39%
Viable options already identified at other public or private plants	3	7%
Plan on implementing on-site processing to produce a product	6	14%
Our agency doesn't do ADC	15	34%
Regulatory advocacy	1	2%

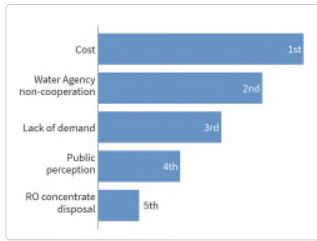


Engagement

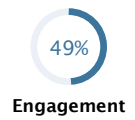
44

Responses

Rank the barriers to increasing water reuse at your agency. Most important (1) to least important (5)

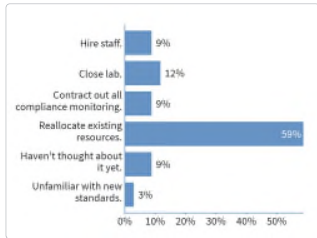


Response options	Rank
Cost	1st
Water Agency non-cooperation	2nd
Lack of demand	3rd
Public perception	4th
RO concentrate disposal	5th



45
Responses

How will your agency respond to the new TNI standards? (Choose one)

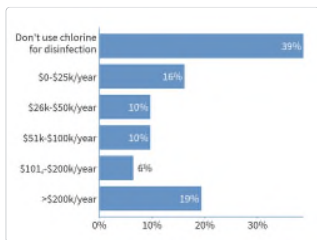


Response options	Count	Percentage
Hire staff.	3	9%
Close lab.	4	12%
Contract out all compliance monitoring.	3	9%
Reallocate existing resources.	20	59%
Haven't thought about it yet.	3	9%
Unfamiliar with new standards.	1	3%

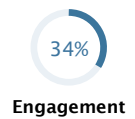


34
Responses

Given the instantaneous chlorine residual limit of 0.0 mg/l, how much do you estimate your agency would save (i.e. reducing excess dosing of SBS, manpower, etc.) with a somewhat less restrictive limit? Choose One.

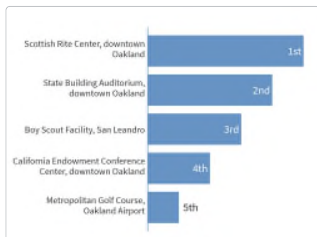


Response options	Count	Percentage
Don't use chlorine for disinfection	12	39%
\$0-\$25k/year	5	16%
\$26k-\$50k/year	3	10%
\$51k-\$100k/year	3	10%
\$101-\$200k/year	2	6%
>\$200k/year	6	19%



31
Responses

How would you rank this venue vs previous venues for BACWA's Annual Meeting? Best (1), Worst (5)



Response options	Rank
Scottish Rite Center, downtown Oakland	1st
State Building Auditorium, downtown Oakland	2nd
Boy Scout Facility, San Leandro	3rd
California Endowment Conference Center, downtown Oakland	4th
Metropolitan Golf Course, Oakland Airport	5th



30
Responses

Support for Bay Area Pollution Prevention Group – Policy, Regulatory, and Professional Training Support

Bay Area Clean Water Agencies (BACWA)
Request for Qualifications

1/26/2018

Request for Qualifications

Support for BACWA's Bay Area Pollution Prevention Committee Public Education and Outreach

Introduction

The Bay Area Clean Water Agencies (BACWA) is a regional organization created by a joint powers agreement among the five largest wastewater treatment agencies in the San Francisco Bay Area. BACWA represents Bay Area wastewater agencies by undertaking relevant scientific and technical studies and research, and by participating in the development of national, state, and regional policies. BACWA has several committees that provide a venue for our member agencies to meet and discuss issues of common importance.

One of BACWA's key committees is the Bay Area Pollution Prevention Group (BAPPG). BAPPG develops a Bay wide pollution prevention program, including regulatory advocacy, public education, and outreach on how to prevent pollution through individual housekeeping as well as improved industry practices.

BACWA seeks the services of an individual(s), a firm, or team (Consultant) to provide policy, regulatory, and professional training support for BAPPG. The Consultant will conduct professional training and provide research and regulatory support as follows:

Professional training: Conduct outreach to professionals, by reaching out to community colleges, union shops, and professional develop and training workshops. Consultant should have the expertise and experience to provide trainings regarding proper pharmaceutical disposal, dental mercury amalgam regulations, hazardous material identification during building demolition, and copper plumbing BMPs. As part of this effort, consultant shall update contact database, communicate with contacts, and seek speaking engagements.

Policy Support and Comment Letters: Consultant will be on-call to develop regulatory letters, conduct literature reviews, or provide other technical support. Topics could include, but are not limited to, metals, pesticides, nutrients, salinity, and emerging constituents (such as PBDEs and PFOS) being reviewed by the Regional Board.

Communications: Prepare relevant outreach sections to the BAPPG Annual Report to be submitted to the BACWA Board of Directors. Present to BAPPG meeting once a year to provide significant update of technical topics.

Request for Qualifications

BACWA is issuing this Requesting for Qualifications from Consultants interested in providing support to BAPPG, as a first step in a competitive qualification based selection process.

Consultants submitting their Qualifications should have a technical background in pollution prevention, and working with professional organizations and educational institutions.

Organization and Content of the Submittal

The Qualifications must be submitted in the form of a letter proposal with attached resume(s). Please limit the overall number of pages of the letter, excluding the resume(s), to 2 pages or less. If added pages are need please contact the BACWA Regulatory Program Manager, Lorien Fono, with the rationale.

Submittal

Please submit Qualifications via email to Lorien Fono (lfono@bacwa.org) by 5pm on February 15, 2018.

Consultant Selection

Following receipt of Qualifications, a Selection Committee made up of BACWA Board members, BAPPG Steering Committee members, and BACWA staff will evaluate the submittals. Based on submittals received, the Selection Committee will either recommend that BACWA solicit full proposals, or sole-source the contract based on the candidate with the strongest qualifications. Consultants submitting qualifications will be notified of BACWA's decision by February 23.

Following Consultant selection, a Scope of Work and contract will be negotiated. The contract will specify billing for services on an hourly basis as required to complete the Scope of Work. The contract will begin July 1, 2018. The term of this agreement shall not extend beyond June 30, 2019 but may be extended for four additional one-year terms at BACWA's discretion, ending June 30, 2023. If, upon reaching the end of any one year term of the contract, the Board elects to extend the contract for another year, the amount of the extended contract will be negotiated at the time the contract is extended. The BACWA standard consulting agreement will be used for this work (see attachment A).

ATTACHMENT A
Standard Agreement

ATTACHMENT A

FILE #

Date:

BAY AREA CLEAN WATER AGENCIES

CONSULTING AGREEMENT

TO:	Name Company Name Street Address City, State ZIP	Email Phone Number
FROM:	David R, Williams, Executive Director BACWA PO Box 24055, MS702 Oakland, CA 94623	dwilliams@bacwa.org Phone: 925-765-9616 FAX: (510) 287-1351

RE: BACWA Agreement for FY18 with COMPANY NAME to provide support to the BAPPG Committee.

This Agreement covers professional services to be performed by COMPANY NAME to develop public education and outreach campaigns based on the messages and target pollutants that BAPPG prioritizes each fiscal year, initially as described in the attached Scope of Work for FY18. The work under this contract will be carried out under the supervision of a Program Manager designated by the BAPPG Committee each year. The total cost of professional services to be performed by COMPANY NAME in FY18 is not to exceed \$XXXX This contract will be funded by the BACWA Budget under the BAPPG Committee line item.

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This Agreement may be terminated by either party at any time for convenience with 30-day's notice. In the event of termination by BACWA, BACWA shall pay COMPANY NAME for professional and competent services rendered to the date of termination upon delivery of assigned work products to BACWA.

COMPANY NAME shall submit invoices to the BACWA Assistant Executive Director via e-mail along with approval by BAPPG and/or the Program Manager. Invoices shall indicate hours associated with each task. Invoices will be paid within thirty (30) days of receipt.

BACWA AED E-mail: Sherry Hull shulll@bacwa.org

Attached: Scope of Work for FY18

Approved:
By _____
Jim Ervin
Chair, BACWA Executive Board

By _____
Signature Name
COMPANY NAME

Date _____

Date _____

BACWA EIN: 94-3389334

COMPANY EIN: _____

Support for Bay Area Pollution Prevention Group – Pesticide Regulatory and Technical Support

Bay Area Clean Water Agencies (BACWA)
Request for Qualifications

1/26/2018

Request for Qualifications

Support for BACWA's Bay Area Pollution Prevention Committee Pesticide Regulatory and Technical Support

Introduction

The Bay Area Clean Water Agencies (BACWA) is a regional organization created by a joint powers agreement among the five largest wastewater treatment agencies in the San Francisco Bay Area. BACWA represents Bay Area wastewater agencies by undertaking relevant scientific and technical studies and research, and by participating in the development of national, state, and regional policies. BACWA has several committees that provide a venue for our member agencies to meet and discuss issues of common importance.

One of BACWA's key committees is the Bay Area Pollution Prevention Group (BAPPG). BAPPG develops a Bay wide pollution prevention program, including regulatory advocacy, public education, and outreach on how to prevent pollution through individual housekeeping as well as improved industry practices.

BACWA seeks the services of an individual(s), a firm, or team (Consultant) to provide regulatory and technical support for BAPPG pertaining to pesticides. The Consultant will coordinate with BAPPG representatives to maintain a list of high priority pesticides for BACWA's attention, and periodically update a schedule of anticipated pesticide regulatory activities on these pesticides. The Consultant will track pesticide-related regulatory activities by EPA and Department of Pesticide Regulation (DPR) that have significant potential to affect BACWA member agencies, and notify BAPPG of such items as they arise, and make recommendations regarding regulatory participation or other follow-up steps. The Consultant will coordinate scientific review with other agencies (DPR, Water Board) and work with other BACWA and member agency consultants to provide key points for comment letters for select, high-priority ecological risk assessments and risk management decisions.

Request for Qualifications

BACWA is issuing this Requesting for Qualifications from Consultants interested in providing support to BAPPG, as a first step in a competitive qualification based selection process. Consultants submitting their Qualifications should have a background in pesticides science and impacts on POTWs, and experience working with regulators at the State and Federal levels.

Organization and Content of the Submittal

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BACWA AED E-mail: Sherry Hull shulll@bacwa.org

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By _____
Jim Ervin
Chair, BACWA Executive Board

By _____
Signature Name
COMPANY NAME

Date _____

Date _____

BACWA EIN: 94-3389334

COMPANY EIN: _____

Support for Bay Area Pollution Prevention Group – Public Education and Outreach

Bay Area Clean Water Agencies (BACWA)
Request for Qualifications

1/26/2018

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Support for BACWA's Bay Area Pollution Prevention Committee Public Education and Outreach

Introduction

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BACWA seeks the services of an individual(s), a firm, or team (Consultant) to provide support for BAPPG. The Consultant will develop public education and outreach campaigns based on the messages and target pollutants that BAPPG prioritizes each fiscal year. For example, in Fiscal Year 2018, the outreach priorities were the "Toilets Aren't Trashcans" campaign, messaging about not flushing wipes, radio ads about proper disposal of fats, oils and grease, and flea and tick pesticides outreach. The consultant will be responsible for buying print media, internet, radio, and/or television ads, and reporting the impact of these ads back to BAPPG. The consultant will also provide graphic design and content editing assistance with BAPPG's Annual Report.

Request for Qualifications

BACWA is issuing this Requesting for Qualifications from Consultants interested in providing public outreach support to BAPPG, as a first step in a competitive qualification based process. Consultants submitting their Qualifications should have a background in developing messaging for public education campaigns, and working with public agencies. The Consultant should also have experience working with media outlets to purchase advertising time or space, to optimally target public outreach messaging.

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BACWA AED E-mail: Sherry Hull shulll@bacwa.org

Attached: Scope of Work for FY18

Approved:

By _____
Jim Ervin
Chair, BACWA Executive Board

By _____
Signature Name
COMPANY NAME

Date _____

Date _____

BACWA EIN: 94-3389334

COMPANY EIN: _____



January 16, 2018

Mr. Bruce Wolfe, Executive Officer
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, 14th Floor
Oakland, CA 94612

Subject: NPDES Permit Requirements for Receiving Water Quality Monitoring, Mercury and PCBs Watershed Permit Support, Implementation of Cyanide and Copper Action Plans, Nutrient Watershed Permit Support, and TMDL Support

Dear Mr. Wolfe:

I am writing on behalf of the Bay Area Clean Water Agencies (BACWA) and its members that own and operate publicly-owned treatment works (POTWs) and that have National Pollutant Discharge Elimination System (NPDES) permits to discharge to San Francisco Bay Area waters. The NPDES permits issued to these agencies impose some requirements that are most efficiently fulfilled as a group. The purpose of this letter is to report on behalf of BACWA members that those requirements are being met, including permit provisions related to: (A) Receiving Water Quality Monitoring; (B) Support for the RMP through the Alternate Monitoring Requirements (AMR); (C) Mercury and PCBs Watershed Permit Support; (D) Cyanide Action Plan; (E) Copper Action Plan Support; (F) Nutrient Watershed Permit Support; and (G) Total Maximum Daily Load Support.

A. Receiving Water Quality Monitoring

Various NPDES permits require that the permittees support the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP), administered by the San Francisco Estuary Institute (SFEI), and established by San Francisco Bay Regional Water Quality Control Board (Regional Water Board) Resolution 92-043, adopted April 15, 1992. BACWA members have and continue to fulfill this requirement by participating in and providing funding to the RMP. A letter from SFEI, dated December 29, 2017, confirming BACWA member agencies' contributions to the RMP, is attached for reference.

B. Participation in the Alternate Monitoring Plan

In March 2016, the Regional Water Board adopted the Alternate Monitoring Requirements (AMR)¹, an Order that allows POTWs to reduce monitoring frequencies for specific pollutants in exchange for increased funding to the RMP. The Order calculates the additional fee for each

¹ Order No. R2-2016-0008 Alternate Monitoring and Reporting Requirements for Municipal Wastewater Dischargers for the Purpose of Adding Support to the San Francisco Bay Regional Monitoring Program (RMP).

agency to opt into the AMR based on its estimated cost savings associated with reduced monitoring requirements. The agencies who have opted into the AMR are listed in the attached December 29, 2017 letter from SFEI.

C. Mercury and PCBs Watershed Permit Support

The Mercury and PCBs Watershed Permit was reissued in 2012, and became effective on January 1, 2013². The reissued permit has no requirements for Mercury Special Studies. BACWA will continue to work with the RMP to develop and implement an updated mercury science strategy.

The RMP completed the following tasks related to mercury and PCBs in 2017:

- Published a final conceptual model report for PCBs in the Emeryville Crescent margin area³.
- Published an interim conceptual model report for PCBs in the San Leandro Bay margin area⁴.
- Published a final data report for San Leandro Bay field study⁵.
- Published a final report with the mercury and PCB results of the 2015 Central Bay Margins Sediment Study⁶.
- Collected samples for PCBs and mercury for the 2017 South Bay Margins Sediment Study. The results will be reported in 2018.
- Published the results for mercury and PCBs for the 2014 Sport Fish Study⁷.

² Waste Discharge Requirements for Municipal and Industrial Wastewater Discharges of Mercury to San Francisco Bay, Order No. R2-2012-0096; NPDES No. CA0038849

³ Davis, J. A.; Yee, D.; Gilbreath, A. N.; McKee, L. J. . 2017. Conceptual Model to Support PCB Management and Monitoring in the Emeryville Crescent Priority Margin Unit. SFEI Contribution No. 824. San Francisco Estuary Institute: Richmond, CA. Available online at: <http://www.sfei.org/documents/conceptual-model-support-pcb-management-and-monitoring-emeryville-crscent-priority-margin>

⁴ Yee, D.; Gilbreath, A. N.; McKee, L. J.; Davis, J. A. 2017. Conceptual Model to Support PCB Management and Monitoring in the San Leandro Bay Priority Margin Unit: Phase I. SFEI Contribution No. 830. San Francisco Estuary Institute: Richmond, CA. Available online at: <http://www.sfei.org/documents/conceptual-model-support-pcb-management-and-monitoring-san-leandro-bay-priority-margin>

⁵ Davis, J.; Yee, D.; Fairey, R.; Sigala, M. 2017. San Leandro Bay PCB Study Data Report. SFEI Contribution No. 855. San Francisco Estuary Institute: Richmond, CA. Available at: <http://www.sfei.org/documents/san-leandro-bay-pcb-study-data-report>

⁶ Yee, D.; Wong, A.; Shimabuku, I.; Trowbridge, P. 2017. Characterization of Sediment Contamination in Central Bay Margin Areas. SFEI Contribution No. 829. San Francisco Estuary Institute: Richmond, CA. Available online at: <http://www.sfei.org/documents/characterization-sediment-contamination-central-bay-margin-areas-0>

⁷ Sun, J.; Davis, J. A.; Bezael, S. N.; Ross, J. R. M.; Wong, A.; Fairey, R.; Bonnema, A.; Crane, D. B.; Grace, R.; Mayfield, R. 2017. Contaminant Concentrations in Sport Fish from San Francisco Bay, 2014. SFEI Contribution No. 806. Available online at: <http://www.sfei.org/documents/contaminant-concentrations-sport-fish-san-francisco-bay-2014>

- Published the results from recent Status and Trends Monitoring for mercury and PCBs in the 2017 Pulse of the Bay. The report contains graphs showing mercury and PCBs in 2014 sediment, 2014 sport fish, and 2016 bird eggs. Results for mercury in water in 2015 and mercury loads from the Guadalupe River are also provided⁸.
- Published results of stormwater monitoring of mercury and PCB loads during WY16. Samples of stormwater during WY17 were also collected⁹.
- Collected water samples from the Guadalupe River during floods in early 2017 to measure mercury loads from the watershed. These results will be reported in 2018.

In 2017, BACWA's Bay Area Pollution Prevention Group (BAPPG) continued to reach out to dental assistant and dental hygienist students to educate them about proper amalgam management and disposal. In 2017, this campaign reached approximated Reached a total of 150 students and instructors from January 1, 2017 – December 31, 2017 at the following site visits:

- San Jose City College (one class)
- College of Marin, Novato (one class)
- Foothill College, Los Altos (two classes)
- Mt Diablo Adult Ed, Concord (three classes)

The annual presentation at Santa Rosa Jr. College (which typically reaches 48-50 students) was canceled due to the fall fires that closed the school for two weeks, reducing the time available for instructors to complete their course. In 2018, BAPPG will continue to provide the guest speaker to local colleges. The instructors have come to rely on these annual visits and have incorporated BAPPG's program into their instructional calendar. Further, this is a very relevant audience for other messages, such as wipes, microbeads, and triclosan. In 2018, BAPPG plans to update the Baywise.org documents for line flushing chemicals to better align with EPA regulations.

The permit requires that permittees conduct or participate in programs to reduce mercury-related risks to humans from the consumption of Bay fish. In 2017 BACWA completed funding of two grants worth \$25,000 each to the California Indian Environmental Alliance, and APA Family Support Services, to conduct activities related to reducing risk from fish consumption in vulnerable populations. BACWA coordinated with the grantees to provide a progress update on their risk reduction activities to the Regional Water Board on October 25, 2016. Materials generated with support from these grants are available on BACWA's website¹⁰.

D. Cyanide Action Plan

⁸ SFEI. 2017. The Pulse of the Bay: The 25th Anniversary of the RMP. SFEI Contribution No. 841. San Francisco Estuary Institute: Richmond, CA. Available online at: <http://www.sfei.org/documents/pulse-bay-25th-anniversary-rmp>

⁹ Gilbreath, A. N.; Hunt, J. A.; Yee, D.; McKee, L. J. 2017. Pollutants of concern reconnaissance monitoring final progress report, water years 2015 and 2016. SFEI Contribution No. 817. Available online at: <http://www.sfei.org/documents/pollutants-concern-reconnaissance-monitoring-final-progress-report-water-years-2015-and>

¹⁰ <https://bacwa.org/mercurypcb-risk-reduction-materials/>

As part of the site-specific objective (SSO) for cyanide, NPDES dischargers are required to calculate the 3-event rolling average of total cyanide concentrations in each segment of the Bay, based on RMP data. In 2017, the RMP completed sampling for cyanide during the 2017 Water Cruise. Preliminary results indicate that ambient cyanide concentrations are below triggers. Final results will be published in early 2018.

E. Copper Action Plan

The copper action plan contained in many Bay Area POTW permits requires permittees to implement a plan to reduce copper discharges, conduct studies to reduce copper pollutant impact uncertainties, and implement additional measures should the three-year rolling mean in various parts of the Bay exceed site-specific concentration triggers. In 2017, the RMP collected samples for copper during this year's Water Cruise. Preliminary data indicate ambient concentrations of copper remain below trigger levels. Final results will be reported in 2018. In the 2017 Pulse of the Bay (www.sfei.org/rmp/pulse), the three-year rolling-average concentrations of copper were reported using data from 2011, 2013, and 2015.

In addition to the measures being taken by individual agencies to reduce copper in discharges in 2015, BAPPG supported one presentation at a plumbing class at Laney Community College, Oakland (15 students) about BAPPG's flux and flushing BMPs.

During the public comment period for the U.S. EPA Copper Registration Review risk assessment in 2016, BACWA recommended that U.S. EPA require users to contact local agencies and follow their instructions for draining copper-treated swimming pools, spas, and fountains to avoid copper pollution and collection system backup. EPA agreed and in 2017, they proposed such instructions be placed on all swimming pool and spa products. Although BACWA also recommended that EPA examine discharges from washing copper pesticide-treated fabrics, they declined to do so, responding that there are insufficient data to support a detailed assessment, and they do not believe that fabrics are likely to be a large wastewater copper discharge source.

F. Nutrient Watershed Permit Compliance

The Nutrient Watershed Permit¹¹ was adopted on April 2014, with an effective date of July 1, 2014. Through the nutrient surcharge levied on permittees, BACWA is funding compliance with the following provisions of the Nutrient Watershed Permit on behalf of its members:

- Group Annual Reporting – BACWA submitted the third Group Annual Report on October 1, 2017. All the permittees under the Nutrient Watershed Permit participated in the Group Annual Report.
- Optimization and facilities upgrade studies – Studies are ongoing, and an update was provided to Regional Water Board staff at BACWA's Annual Pardee Technical Seminar in October 2017. A progress update was submitted per permit requirement on July 1, 2017. A Final Report on the studies is expected prior to the July 2018 permit deadline.

¹¹Waste Discharge Requirements for Municipal Wastewater Discharges of Nutrients to San Francisco Bay, Order No. R2-2014-0014; NPDES No. CA0038873

- Support of scientific studies as part of the Nutrient Management Strategy – BACWA has provided \$1,080,000 to SFEI in 2017, in excess of the \$880,000 required by the nutrient watershed permit. An update on the science plan for the 2017 calendar year will be submitted by February 1, 2018.

G. Total Maximum Daily Load Support

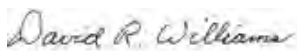
Some POTW permits previously included a requirement that permittees report to the Regional Water Board any actions taken in support of Total Maximum Daily Loads (TMDLs) for 303(d) listed pollutants. Support for these efforts has been provided largely through support of the RMP.

In 2014, the RMP convened a Selenium Strategy Team and developed a Selenium Strategy in the Multi-Year Plan, and coordination within the Strategy Team continued in 2017. The Strategy includes measuring selenium in small tissue samples from sturgeon collected using non-lethal methods. In 2017, the RMP completed the following tasks related to Selenium monitoring:

- Published a final report with results from the 2015 Sturgeon Derby¹².
- Published an interim monitoring design framework for selenium in North Bay¹³.
- Funded USGS to continue clam tissue monitoring for selenium through October 2017.
- Collected 90 tissue plug samples from sturgeon captured by the California Department of Fish and Wildlife. These samples will be analyzed and reported in 2018.
- Collected tissue samples at the 2017 Sturgeon Derby. The results from this sampling round will be reported in 2018, in combination with the results from the 2016 Derby.
- Collected water samples for dissolved and particulate selenium during the 2017 Water Cruise. Extra samples were collected for laboratory intercomparison study of selenium methods. Results will be reported in 2018.

Please contact me if you have any questions about the information contained in this letter.

Respectfully,



David R. Williams
BACWA Executive Director

¹² Sun, J.; Robinson, A.; Davis, J. A.; Trowbridge, P.; A. Stewart, R.; Palace, V. P.; Jackson, Z. J. 2017. Selenium in White Sturgeon Tissues: 2015 Sturgeon Derby. SFEI Contribution No. 834. Available online at: <http://www.sfei.org/documents/selenium-white-sturgeon-tissues-2015-sturgeon-derby>

¹³ Chen, L.; Roy, S.; Rath, J.; Grieb, T. 2017. Water Column Selenium Concentrations in the San Francisco Bay-Delta: Recent Data and Recommendations for Future Monitoring. SFEI Contribution No. 836. Available online at: <http://www.sfei.org/documents/water-column-selenium-concentrations-san-francisco-bay-delta-recent-data-and>

Encl:

SFEI Letter regarding RMP Participation, December 29, 2017.

CC:

Mr. Bill Johnson, NPDES Permitting Division Chief, Regional Water Board
Mr. Richard Looker, Water Resources Control Engineer, Regional Water Board
BACWA Executive Board
Mr. Christian Dembiczak, BACWA Permits Committee Chair



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December 29, 2017

David R. Williams
Executive Director
Bay Area Clean Water Agencies
PO Box 24055, MS 59
Oakland, CA 94623

Dear Mr. Williams:

The Regional Monitoring Program for Water Quality in San Francisco Bay (RMP) is the only comprehensive environmental monitoring program to measure pollutants and trends in the Bay. The RMP, which began in 1993 and is still going strong, is a successful partnership of scientists, government, municipalities, and industries to understand and improve the health of the Bay.

The goal of the RMP is to collect data and communicate information about water quality in the San Francisco Estuary in support of management decisions. The accomplishments of the RMP over the past two years is summarized in the "Pulse of the Bay" report that was published in October 2017. The full report can be downloaded from <http://www.sfei.org/rmp/pulse>.

In 2017, 35 wastewater treatment facilities collectively contributed the full amount of the core RMP program costs assigned to publicly owned treatment works (\$1,595,514, see Table 1 for a complete list of agencies). The process used to determine the core fees for each participant group are outlined in the Program Charter: <http://www.sfei.org/documents/charter-regional-monitoring-program-water-quality-san-francisco-bay-0>.

In March 2016, the Water Board adopted Order R2-2016-0008, establishing an alternative monitoring requirement (AMR) for municipal wastewater discharges to San Francisco Bay and its tributaries, in exchange for a set schedule of increased payments to the RMP. Participating wastewater treatment facilities who opt-in to this alternative are able to reduce their effluent monitoring costs for most organic priority pollutants and chronic toxicity sensitive species rescreening. In exchange for the reduced monitoring requirements, facilities make supplemental payments to the RMP for regional studies to inform management decisions about water quality in the Bay. For FY17, 34 wastewater treatment facilities made supplemental contributions to the Program under Order R2-2016-0008 (\$261,919, see Table 1).

This support is essential to the Program. Through these financial contributions, the RMP is able to conduct regional monitoring to assess the cumulative impact of multiple sources of pollutants to the Bay. We thank you and your members for the support and look forward to serving you in 2018.

Sincerely,

Philip Trowbridge, PE
RMP Manager

Table 1

Wastewater Treatment Facilities Contributing to the RMP in 2017 and the AMR for FY17

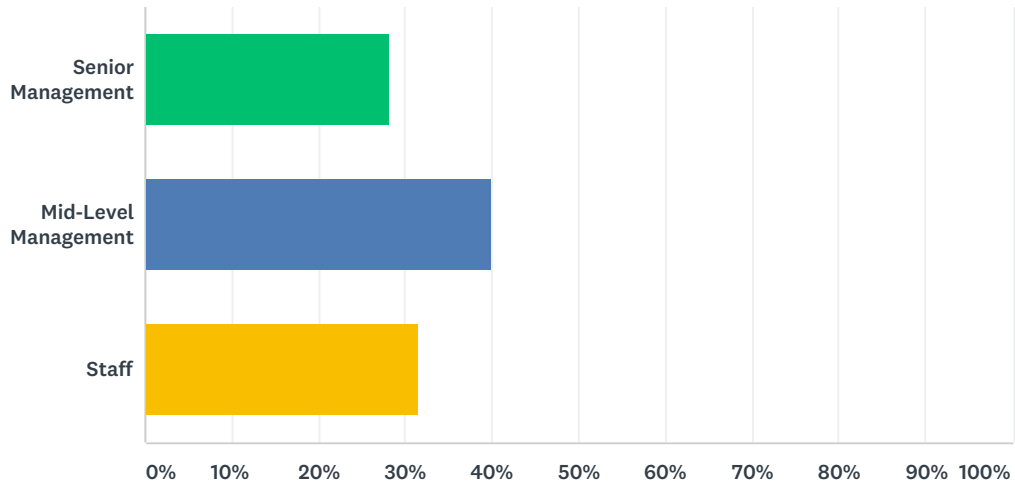
POTW Dischargers	Core RMP Fees	AMR Order Fees
American Canyon, City of		
Benicia, City of	YES	YES
Burlingame, City of	YES	YES
Calistoga, City of	YES	YES
Central Contra Costa Sanitary District	YES	YES
Central Marin Sanitation Agency	YES	YES
Crockett Community Services District, Port Costa Sanitary Department		YES
Delta Diablo	YES	YES
East Bay Dischargers Authority	YES	YES
<i>Union S.D.</i>		YES
<i>Oro Loma</i>		YES
<i>Hayward</i>		YES
<i>San Leandro</i>		YES
<i>Livermore</i>		YES
<i>Dublin San Ramon Services District</i>		YES
East Bay Municipal Utilities District WWTP	YES	YES
Fairfield-Suisun Sewer District	YES	YES
Las Gallinas Valley Sanitary District	YES	
Marin County (Paradise Cove), Sanitary District No. 5 of	YES	YES
Marin County (Tiburon), Sanitary District No. 5 of	YES	YES
Millbrae, City of	YES	YES
Mt. View Sanitary District	YES	YES
Napa Sanitation District	YES	YES
Novato Sanitary District	YES	YES
Palo Alto, City of	YES	YES
Petaluma, City of	YES	YES
Pinole, City of	YES	YES
Rodeo Sanitary District	YES	YES
San Francisco, City and County Of, San Francisco International Airport	YES	YES
San Francisco (Southeast Plant), City and County of	YES	
San Jose/Santa Clara Water Pollution Control Plant and Cities of San Jose and Santa Clara	YES	YES
San Mateo, City of	YES	YES
Sausalito - Marin City Sanitary District	YES	YES
Sewerage Agency of Southern Marin	YES	YES
Silicon Valley Clean Water	YES	YES
Sonoma Valley County Sanitary District	YES	YES
South San Francisco and San Bruno, Cities of	YES	YES

St. Helena, City of	YES	YES
Sunnyvale, City of	YES	YES
US Department of Navy (Treasure Island)	YES	YES
Vallejo Sanitation and Flood Control District	YES	YES
West County Agency		YES
<i>Richmond Municipal Sewer District</i>		YES
<i>West County Wastewater District</i>	YES	YES
Yountville, Town of	YES	YES



Q1 Thank you for responding to the survey: What role do you play at your agency?

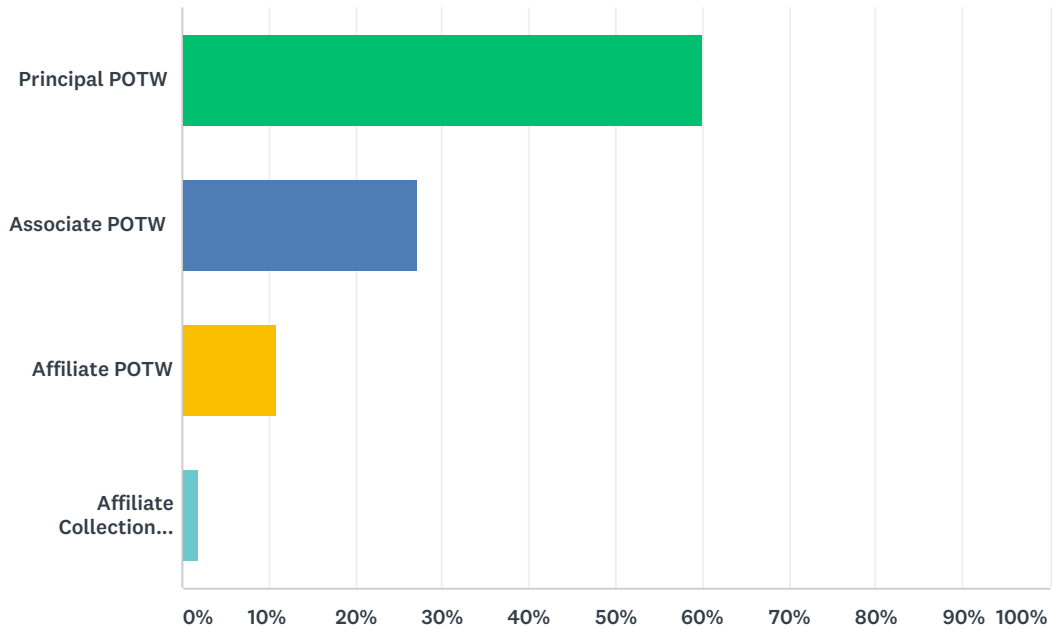
Answered: 60 Skipped: 0



ANSWER CHOICES	RESPONSES	
Senior Management	28.33%	17
Mid-Level Management	40.00%	24
Staff	31.67%	19
TOTAL		60

Q2 What type of BACWA Member is your agency?

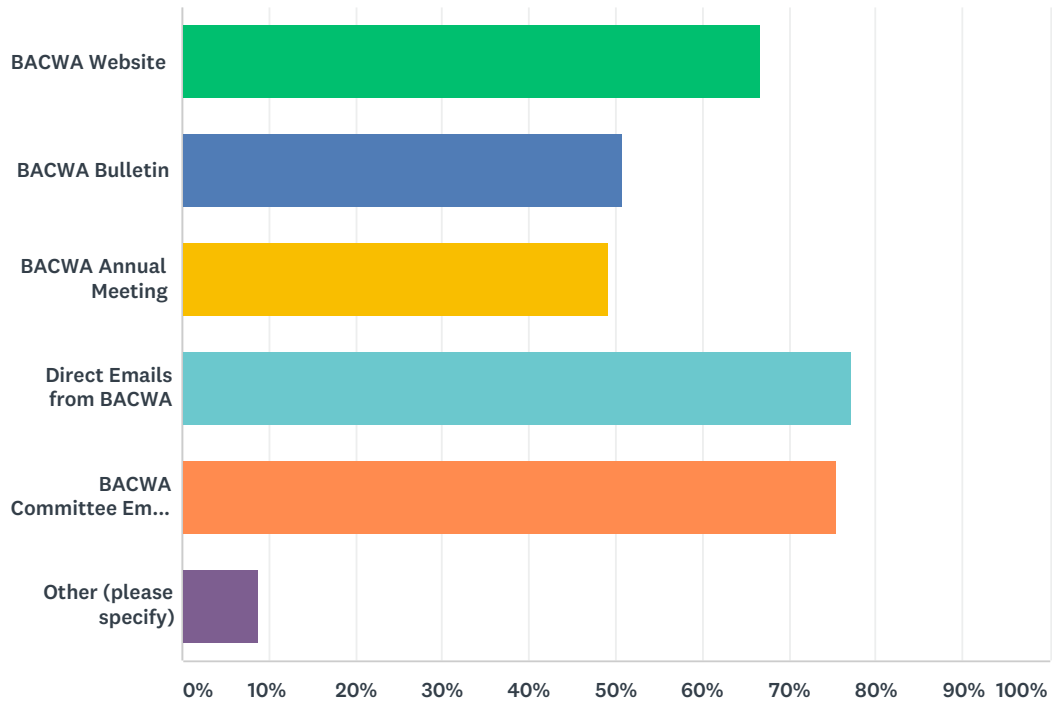
Answered: 55 Skipped: 5



ANSWER CHOICES	RESPONSES
Principal POTW	60.00% 33
Associate POTW	27.27% 15
Affiliate POTW	10.91% 6
Affiliate Collection System	1.82% 1
TOTAL	55

Q3 How do you access information from BACWA (click all that apply)

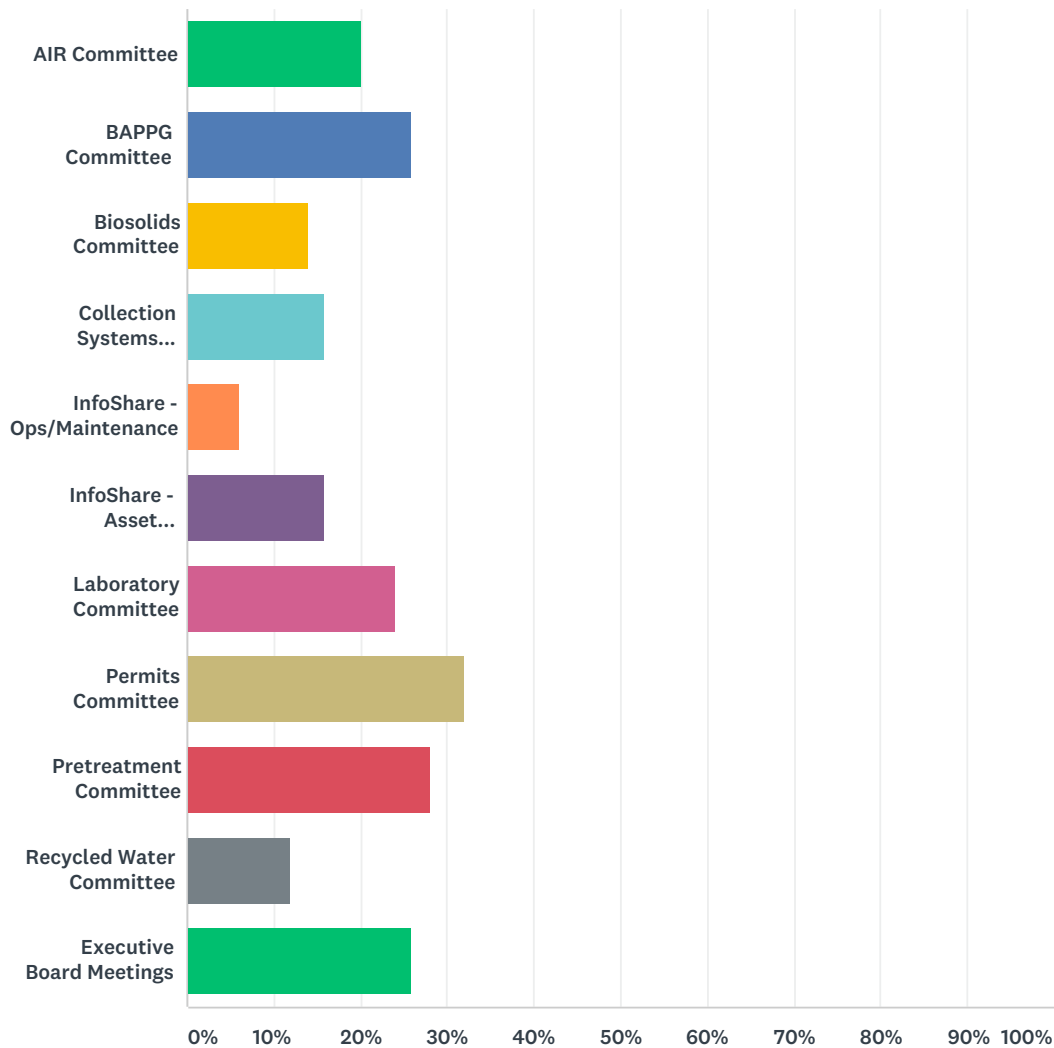
Answered: 57 Skipped: 3



ANSWER CHOICES	RESPONSES	
BACWA Website	66.67%	38
BACWA Bulletin	50.88%	29
BACWA Annual Meeting	49.12%	28
Direct Emails from BACWA	77.19%	44
BACWA Committee Email Lists	75.44%	43
Other (please specify)	8.77%	5
Total Respondents: 57		

Q4 Do you attend any BACWA Committee meetings or Executive Board Meetings? Click all that apply.

Answered: 50 Skipped: 10



ANSWER CHOICES	RESPONSES
AIR Committee	20.00% 10
BAPPG Committee	26.00% 13
Biosolids Committee	14.00% 7
Collection Systems Committee	16.00% 8
InfoShare - Ops/Maintenance	6.00% 3
InfoShare - Asset Management	16.00% 8
Laboratory Committee	24.00% 12
Permits Committee	32.00% 16
Pretreatment Committee	28.00% 14

BACWA Membership Satisfaction Survey

Recycled Water Committee	12.00%	6
Executive Board Meetings	26.00%	13
Total Respondents: 50		

Q5 Do you have any suggestions for improving Committee or Executive Board Meetings?

Answered: 31 Skipped: 29

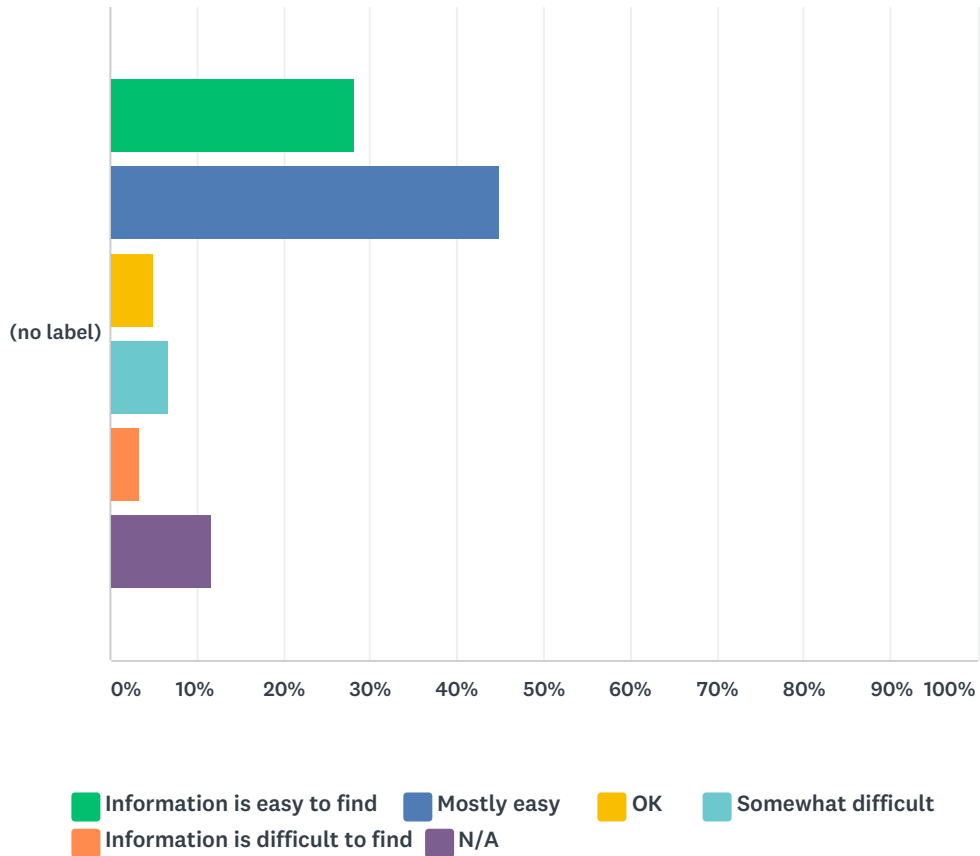
#	RESPONSES	DATE
1	Try to save time specifically allotted for questions when having outside speakers give presentations so they aren't interrupted too frequently	1/16/2018 3:37 PM
2	No. Great organization/leadership/staff.	1/3/2018 1:39 PM
3	nope	12/18/2017 12:52 PM
4	none at this time	12/15/2017 8:24 AM
5	Keep the emails coming.	12/15/2017 6:09 AM
6	No thanks	12/14/2017 10:12 PM
7	None at this time. the meetings are very good and informational	12/14/2017 9:44 AM
8	Being able to phone in to Committee meetings is great, but a webcast would be even better.	12/14/2017 8:43 AM
9	No	12/13/2017 8:14 AM
10	No	12/13/2017 7:54 AM
11	It would be helpful if the collection system committee meetings could be accessed via phone conferencing	12/13/2017 7:46 AM
12	Update website routinely and more timely with Committee meetings, minutes, and agendas. Some committees don't send out calendar appointments (e.g., through Outlook) so keeping track of upcoming meetings relies on emails and can be difficult.	12/13/2017 7:40 AM
13	Options to attend meetings via webcam etc. commute is getting harder I do not want to miss meetings but would like to have that option of listening and participating without the drive in.	12/12/2017 4:20 PM
14	no	12/12/2017 4:19 PM
15	Permits is very good, no suggestions	12/12/2017 4:01 PM
16	No	12/12/2017 3:32 PM
17	Not at this time	12/12/2017 2:12 PM
18	n/a	12/12/2017 1:14 PM
19	none	12/12/2017 1:00 PM
20	none	12/12/2017 12:56 PM
21	No	12/12/2017 12:56 PM
22	Team building/networking games!	12/12/2017 12:51 PM
23	Can we look into getting contact hours (CWEA) for attending meetings. This might give incentive to attend more often and justify sending more staff members to the meetings.	12/6/2017 10:09 AM
24	No suggestions currently	12/5/2017 8:37 AM
25	Would prefer a location that is easier to get to by vehicle and has better parking	12/4/2017 5:42 PM
26	It would be great if Executive Board meetings were held on Monday - Thursday. Also, for Permits Committee and Executive Board meetings, it would be good to have a meeting space other than the library at EBMUD's treatment plant. That room is cramped and has no cellular data reception nor WiFi available.	11/29/2017 11:27 AM
27	no	11/29/2017 6:55 AM
28	Manage agenda on time	11/28/2017 1:12 PM

BACWA Membership Satisfaction Survey

29	Better telecommunications for some of the committee meetings.	11/28/2017 1:04 PM
30	Since I'm typically too busy to attend BACWA Committee meetings, it would be helpful if the minutes for those meetings came out promptly after the Committee meeting, rather than (much later) in time for the BACWA Board packet. Often times, deadlines for Committee action items have passed by that time.	11/28/2017 1:00 PM
31	No	11/28/2017 11:55 AM

Q6 Please rate how easy it is to access information on the BACWA.org website?

Answered: 60 Skipped: 0



	INFORMATION IS EASY TO FIND	MOSTLY EASY	OK	SOMEWHAT DIFFICULT	INFORMATION IS DIFFICULT TO FIND	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	28.33%	45.00%	5.00%	6.67%	3.33%	11.67%	60	2.00
	17	27	3	4	2	7		

Q7 Do you have any suggestions for improving the BACWA website?

Answered: 29 Skipped: 31

#	RESPONSES	DATE
1	I use the regulatory update matrix. I appreciate the 2X updates. I would not want the frequency to be reduced. My bias is towards 3-4X per year.	1/3/2018 1:39 PM
2	It would be helpful if the calendars were updated frequently and all meetings on the calendar had the complete address of where the meeting was to be held, along with any other useful items like: where to park, nearest public transit station etc. Example: the preferred place to park would be the garage on 6th street, located only two blocks away. The 6th street BART station will put you only two blocks away.	12/18/2017 12:52 PM
3	can't say	12/15/2017 8:24 AM
4	Be easy to navigate so far	12/15/2017 6:09 AM
5	Make it more user friendly	12/14/2017 10:12 PM
6	none at this time.	12/14/2017 9:44 AM
7	No.	12/14/2017 8:43 AM
8	No	12/13/2017 8:14 AM
9	No	12/13/2017 7:54 AM
10	Have not used the website	12/12/2017 5:00 PM
11	No	12/12/2017 4:20 PM
12	no	12/12/2017 4:19 PM
13	No	12/12/2017 4:01 PM
14	No	12/12/2017 3:32 PM
15	Not at this time	12/12/2017 2:12 PM
16	It has been straight forward for my needs.	12/12/2017 1:14 PM
17	its good	12/12/2017 1:00 PM
18	none	12/12/2017 12:56 PM
19	Keep it updated.	12/12/2017 12:56 PM
20	none	12/6/2017 10:09 AM
21	No	12/5/2017 8:37 AM
22	none	12/4/2017 5:42 PM
23	Not at this time.	11/29/2017 11:27 AM
24	no	11/29/2017 6:55 AM
25	Perhaps some info/document sharing on the website would be nice - minimizing the need for reinventing the wheel, so to speak.	11/28/2017 2:56 PM
26	no	11/28/2017 1:12 PM
27	none	11/28/2017 1:04 PM
28	No	11/28/2017 11:55 AM
29	It's a matter of balancing sensitive information versus sharing. I think meeting presentations and discussion summaries are helpful but not in the minutes format. Bulletin is most valuable	11/28/2017 11:52 AM

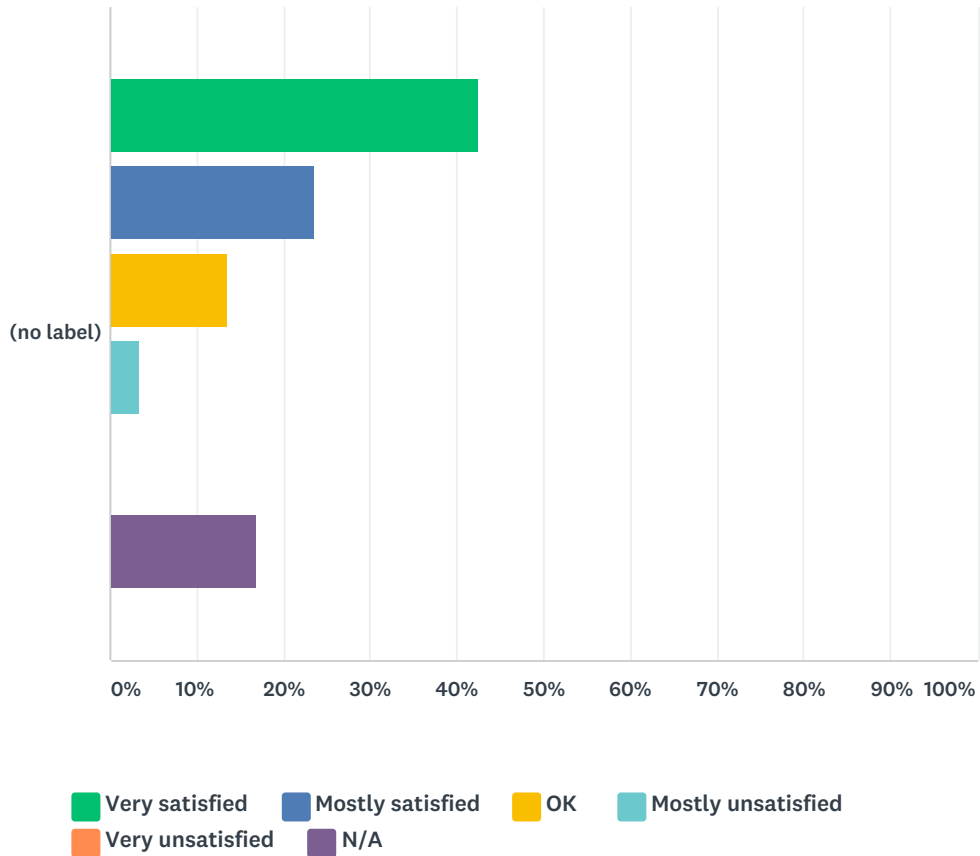
Q8 How can BACWA encourage participation by Associate & Affiliate Members?

Answered: 25 Skipped: 35

#	RESPONSES	DATE
1	I think there already is a sufficient amount of outreach through the bulletin, committee meetings, annual meeting, permit strategy group, etc.	1/16/2018 3:37 PM
2	No opinion	1/3/2018 1:39 PM
3	Ask existing members to reach out to the others	12/15/2017 8:24 AM
4	More events	12/15/2017 6:09 AM
5	Keep providing good trainings like they do.	12/14/2017 9:44 AM
6	I find the Committee meetings to be very valuable, but attending all I would like to is a big time commitment. This is why I suggest meeting webcasts, or possibly just recordings we could access later. Also, I wish we had a portal on BACWA.org for each committee that we could use for posting questions and having conversations. Using Yahoo groups is somewhat cumbersome, and it would be very helpful to have access to past conversations from multiple committees in one place.	12/14/2017 8:43 AM
7	College outreach	12/13/2017 7:54 AM
8	More networking opportunities fun activities-start a page with photos of members a who's who in BACWA sort of like a facebook group etc.	12/12/2017 4:20 PM
9	I imagine its hard for smaller agencies to attend so many committee meetings. Maybe a committee for smaller agencies that covers all relevant topics (e.g Air, Biosolids, Permits, etc.) supported by BACWA staff would be helpful to them.	12/12/2017 4:19 PM
10	Be more responsive to their problems/needs.	12/12/2017 4:01 PM
11	Smaller Fees	12/12/2017 3:32 PM
12	Stay better connected	12/12/2017 2:12 PM
13	Emails with agendas for meetings to the members.	12/12/2017 1:14 PM
14	contact them	12/12/2017 1:00 PM
15	keep getting the word out	12/12/2017 12:56 PM
16	More email notifications?	12/12/2017 12:56 PM
17	More visuals at meetings. Lots of talking can get dry. We need something to look at.	12/12/2017 12:51 PM
18	Keeping each committee membership group aware of the related topics that concern the BACWA organization to be discussed at each meeting.	12/5/2017 8:37 AM
19	Holding meetings at times and locations that make it easier for people to attend, and providing conference call opportunities for as many meetings as possible.	11/29/2017 11:27 AM
20	emails on committee meetings and agendas, surveys on issues of concern	11/29/2017 6:55 AM
21	Contact agencies who are not participating, ask about their need, invite them to attend, recognize them when they do, follow up after they participate and invite them to continue.	11/28/2017 2:23 PM
22	make specific suggestions/requests	11/28/2017 1:12 PM
23	Provide them a voice on the BACWA Board.	11/28/2017 1:04 PM
24	No	11/28/2017 11:55 AM
25	Have specific site visits by region with key BACWA staff to get regional players and Plant managers together for issues perhaps. Agencies with staff capacity or issues that impact them I believe already participate well	11/28/2017 11:52 AM

Q9 Please rate how satisfied you are with how BACWA has communicated with its members about the Nutrient Watershed Permit?

Answered: 59 Skipped: 1



	VERY SATISFIED	MOSTLY SATISFIED	OK	MOSTLY UNSATISFIED	VERY UNSATISFIED	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	42.37%	23.73%	13.56%	3.39%	0.00%	16.95%	59	1.73
	25	14	8	2	0	10		

BACWA Membership Satisfaction Survey

Q10 What issue(s) would you like to see addressed that are not currently being covered by BACWA?

Answered: 27 Skipped: 33

ANSWER CHOICES	RESPONSES	
Issue 1	100.00%	27
Issue 2	25.93%	7
Issue 3	11.11%	3
Issue 4	7.41%	2

#	ISSUE 1	DATE
1	Help/guidance with HRA's for air issues. What are best practices?	1/3/2018 1:39 PM
2	new regulations	12/15/2017 8:24 AM
3	Everything is great as of now	12/15/2017 6:09 AM
4	End use reasearch for Biosolids	12/14/2017 10:12 PM
5	Total Residual Chlorine monitoring (though this has recently come up)	12/14/2017 8:43 AM
6	Asset Managment	12/13/2017 7:54 AM
7	Sampling training	12/12/2017 4:48 PM
8	traffic/new opportunities to call in/skype etc.	12/12/2017 4:20 PM
9	More educational opportunities / seminars	12/12/2017 4:19 PM
10	removing 0.0 mg/l chlorine discharge limits	12/12/2017 4:01 PM
11	Workforce retention and recruitment	12/12/2017 3:32 PM
12	None at this time	12/12/2017 2:12 PM
13	Reliability Center Maintenance	12/12/2017 1:14 PM
14	wetlands restoration/construction for treatment	12/12/2017 1:13 PM
15	fiscal issues	12/12/2017 1:00 PM
16	none	12/12/2017 12:56 PM
17	No	12/12/2017 12:56 PM
18	proper electronic record keeping for pretreatment programs	12/12/2017 12:51 PM
19	ethics	12/12/2017 12:49 PM
20	Sharing of Monitoring Data on different sources: Breweries, Distilleries, others	12/12/2017 12:41 PM
21	No current suggestions	12/5/2017 8:37 AM
22	No suggestions at this time	11/29/2017 11:27 AM
23	Work with CASA and BABC on the biosolids mgmt issues resulting from SB1383	11/29/2017 8:57 AM
24	energy efficiency and net energy production	11/28/2017 1:12 PM
25	More participation and support with upcoming Biosolids issues.	11/28/2017 1:04 PM
26	Biogas production limited by BAAQMD Rules	11/28/2017 11:55 AM
27	Engineering projects/capital investments info sharing	11/28/2017 11:52 AM
#	ISSUE 2	DATE

BACWA Membership Satisfaction Survey

1	Capital Project managment	12/13/2017 7:54 AM
2	Asset Tagging Standards	12/12/2017 1:14 PM
3	indirect discharges through wetlands/marshlands	12/12/2017 1:13 PM
4	responding to corruption	12/12/2017 12:49 PM
5	innovative technologies	11/28/2017 1:12 PM
6	Biogas production encouraged by landfill diversion rule	11/28/2017 11:55 AM
7	More engagement with Air issues	11/28/2017 11:52 AM
#	ISSUE 3	DATE
1	Addressing sea level rise	12/13/2017 7:54 AM
2	ISO Work Plans for Preventive Maintenance	12/12/2017 1:14 PM
3	wetlands enhancements for climate adaptation	12/12/2017 1:13 PM
#	ISSUE 4	DATE
1	Best Practices - Key Performance Indicators	12/12/2017 1:14 PM
2	investment in purple pipe infrastructure to ramp up water recycling	12/12/2017 1:13 PM

Q11 Over the last 2 years has BACWA taken a direction or position that you have been dissatisfied with?

Answered: 36 Skipped: 24

#	RESPONSES	DATE
1	No	1/16/2018 3:37 PM
2	No	1/3/2018 1:39 PM
3	nope	12/18/2017 12:52 PM
4	none that comes to mind	12/15/2017 8:24 AM
5	No, BACWA keeps us up to date on regulations and rules which is fantastic. Helps out tremendously	12/15/2017 6:09 AM
6	No	12/14/2017 10:12 PM
7	none	12/14/2017 9:44 AM
8	No.	12/14/2017 8:43 AM
9	Yes	12/13/2017 8:14 AM
10	No	12/13/2017 7:54 AM
11	No	12/12/2017 4:20 PM
12	Yes, but nothing major. It is a challenge to please everyone and BACWA should continue to pursue the greatest help for the greatest number of agencies and not get caught up in peoples personal crusades.	12/12/2017 4:19 PM
13	yes	12/12/2017 4:01 PM
14	No	12/12/2017 3:32 PM
15	No	12/12/2017 2:12 PM
16	No	12/12/2017 2:12 PM
17	no	12/12/2017 1:27 PM
18	Satisfied	12/12/2017 1:26 PM
19	n/a	12/12/2017 1:14 PM
20	none	12/12/2017 1:00 PM
21	no	12/12/2017 12:56 PM
22	No	12/12/2017 12:56 PM
23	No	12/12/2017 12:41 PM
24	no	12/6/2017 10:09 AM
25	no	12/6/2017 7:45 AM
26	No	12/5/2017 8:37 AM
27	no	12/4/2017 5:42 PM
28	No	11/29/2017 11:27 AM
29	None	11/29/2017 8:57 AM
30	no	11/29/2017 6:55 AM
31	No	11/28/2017 2:56 PM
32	No	11/28/2017 2:23 PM

BACWA Membership Satisfaction Survey

33	no	11/28/2017 1:12 PM
34	No	11/28/2017 1:04 PM
35	No	11/28/2017 1:00 PM
36	No	11/28/2017 11:55 AM

Q12 If you would like BACWA to contact you to follow up on any of your replies, please give us your name and email address/phone.

Answered: 7 Skipped: 53

29 participants representing 16 member agencies
Committee Notes are available [online](#).

Regional Water Board Update

Debbie Phan requested that P2 reports from agencies include a Table of Contents, and have a length of less than one hundred pages in length, prior to any appendices. She reported that there is some uncertainty at the Water Board on managing and funding the Dr. Teng-Chung Wu Award in 2018.

Inedible Kitchen Grease Program Presentation – Michael Abbot, CDFA

Michael Abbott gave a [presentation](#) on regulating restaurant grease haulers. Haulers must be permitted, and their trucks must be appropriately labeled with their certification. He gave an overview of ways to spot illegal haulers.

RMP CEC Update – Dr. Rebecca Sutton, SFEI

Dr. Sutton gave an [update](#) on the CECs projects that are ongoing through the RMP. They have recently drafted a manuscript on flame retardants, which reports that PBDEs are reducing in concentration following a ban on many products. There are some alternative flame retardants, such as triphenyl phosphite, which they are watching, since use is increasing, but more data is needed to assign a risk tier. PFOA and PFOS are both of concern, and agencies can look at electroplating facilities and firefighting foams as sources. There was a discussion that there needs to be better communication between the RMP and the Pollution Prevention community. Dr. Sutton also discussed the ongoing microplastics study.

Project Updates

O’Rorke- Univision failed to run the spots that were paid for, however they plan to make it up to BAPPG. Rather than running the 120 streaming spots which were of much lower value, they will run a week of 25 traditional radio spots valued at \$2,550. Production of the new spots using Toilets Aren’t Trash Cans messaging will be free.

Stephanie Hughes – Stephanie is working on a presentation for veterinary associations on fipronil messaging.

Kelly Moran – Dr. Moran is developing four pesticides comment letters.

Next meetings

The April meeting will include a presentation on Our Water Our World, and the June meeting will feature a four-hour training on community-based social marketing.

Budget

The committee budget is \$69,766, or approximately 70%, spent.

Committee Support Update

Three RFQs have been issued, and submissions are due to Lorien Fono on Feb 15.

Next BAPPG Meeting

BAPPG General Meeting

April 4, 2017: 10:00am-12:00pm
1515 Clay Street, Second Floor, Room 10
Oakland, CA

Biosolids Committee –
Report to BACWA Board

Biosolids Committee meeting on: December 14, 2017
Executive Board Meeting Date: February 16, 2018
Committee Chair: Alicia Chakrabarti and Ravi Krishnaiah

Committee Request for Board Action: None.

<p>Agenda Item : CASA Regulatory Workgroup Joint Meeting</p> <ul style="list-style-type: none"> ▪ SB 1383: Greg Kester and Jackie Zipkin discussed their recent meeting with CalRecycle staff to provide input from the wastewater sector on draft regulations implementing SB 1383 ▪ Low Carbon Fuel Standard: CARB will be eliminating the existing pathway for mesophilic digestion based biogas, but supports development of site-specific pathways ▪ EPA Inspector General report is anticipated within six months ▪ Fire ravaged land update: in the process of seeking funding to support this research effort; funding to date has been provided by several agencies for a total of \$70,000 ▪ Announced that Hank Brady and Jackie Zipkin would be speaking at the upcoming CASA Conference in January
<p>Agenda Item : CDFA Presentation by Paula Batarsah, Branch Chief, Meat Poultry and Egg Safety Branch</p> <ul style="list-style-type: none"> ▪ Reviewed of rendering regulations ▪ Discussed exemptions for inedible kitchen grease acceptance by POTWs ▪ Discussed rendering permit applications for wastewater treatment plants that accept slaughterhouse or butcher shop waste
<p>Agenda Item : CASA Regulatory Workgroup General Meeting</p> <ul style="list-style-type: none"> ▪ Diana Lin, SFEI provided an update on microplastics research ▪ Steve Weisberg, SCCWRP provided an overview of SCCWRP research activities to support good policy making related to wastewater and stormwater regulations, including emerging contaminants, antibiotic resistance, and environmental flows. ▪ David Smith, EPA provided an overview of EPA activities including federal streamlining, NPDES permits, WFIA, and research activities including peracetic acid use.
<p>Next BACWA Biosolids Committee Meeting: TBD</p>

Attendees:

Name	Agency
Alicia Chakrabarti	EBMUD
David Williams	BACWA
Layne Baroldi	Synagro
Jennifer Harrington	Vallejo Flood & WW District
Allison Connor	City of Benicia
Tasha Wright	Santa Rosa Water
Mike Prinz	Santa Rosa Water
Zachary Kay	Santa Rosa Water
Carolyn Balazs	Regional San
Ward Janssens	Lystek

Name/Title	Agency
Jim Dunbar	Lystek International
Jim Ervin	San Jose
Ravi Krishnaiah	SFPUC
Greg Kester	CASA
Jackie Zipkin	EBMUD
Paula Batarseh	CDFA
Charles Hardy	West Yost Associates
Leah Walker	Petaluma
Amanda Roa	Delta Diablo
Jorge Montezuma	LA Co. San Districts

Committee Request for Board Action: None**32 attendees representing 18 member agencies****SSS WDR Reissuance**

The State Water Board plans to update and reissue the SSS WDR in 2018. State Water Board staff have been holding workshops around the State, and CWEA has [provided a list](#) of potential areas where changes could be made. The committee discussed the State Water Board's [presentation](#) on the WDR reissuance process. The State Water Board identified the following areas as needing updating:

1. Update requirements for present and future conditions
 - a) Private systems
 - b) Address changing sewerage and flow characteristics causing spills
2. Incorporate efficiencies to maximize value for cost of compliance
 - a) Remove no longer requirements
 - b) Provide templates and checklists
 - c) Increase clarity of requirements
3. Implement new federal "analytical methods" requirements
 - a) Increase data quality
4. Improve quality of CIWQS Data
5. Remove no-longer-necessary requirements
6. Add regulations for larger private collection systems
7. Address climate change impacts.

The State Water Board is seeking stakeholder input on these and other areas in the SSS WDR. The Collection Systems Committee will form a workgroup to respond to this request.

CMSA Permit

For the first time, [CMSA's NPDES Permit](#), adopted on January 10, includes three of its satellite collection systems agencies. The materials from the Regional Water Board Meeting Packet, including comment letters, and Response to Comments are [posted here](#). The committee did not make a recommendation about whether BACWA should join a petition to the State Water Board that is being initiated by the three satellite agencies.

CUWA White Paper on Impacts of low flows

The California Urban Water Agencies had produced a [White Paper](#) on the impacts of climate change on urban water infrastructure. The impacts they identified for collection systems were increased blockages due to deposition as a result of slower sewer flows, increased corrosion due to higher strength wastewater, and increased odor complaints.

Other news:

Paul Causey will be hosting a workshop on auditing SSMPs and CIWQS data at the City of Hayward on March 7. The workshop is hosted by DKF Solutions.

Next Collection System Committee Meeting

The next committee meeting will be held on March 22, 2018 at the Alameda Public Works offices.

Committee Request for Board Action: None

Regional Water Board Staff in attendance at 2/13 meeting

19 Participants representing 13 member agencies at 1/9 meeting

22 Participants representing 14 member agencies at 2/13 meeting

Upcoming Permits

February – *Pinole* – In the middle of a plant upgrade and will cease blending upon its completion.

Silicon Valley Clean Water – No issues.

March – *Oro Loma* – They were granted a shallow water discharge prohibition exception for peak flows in exchange for a performance-based effluent limit for ammonia. They will need to achieve 70% ammonia removal, calculated on an annual basis based on monthly influent/effluent measurements. They will do nitrification year-round and denitrification seasonally. They performed a shellfish survey to verify that the discharge zone does not host shellfish, which influences the effluent coliform limits. There are no toxicity testing requirements in the permit, and this will likely continue under the State Toxicity Provisions if it can be counted as an “insignificant discharge”. There was a discussion in committee about the future of permitting near-shore discharges.

May – *San Mateo* – TO not issued yet.

Regional Water Board Report-out

The State Water Board recently updated their Policy on Supplemental Environmental Projects, which requires the Regional Water Board to overcome additional administrative hurdles to allocate funds from Mandatory Minimum Penalties (MMPs) in the \$3K to \$9K range to a general fund for the RMP. Bill Johnson has prepared a State Water Board authorization to allow Region 2 to direct funds from MMPs to the RMP for non-specific projects. For larger penalties, more than 50% of the funds can be allocated to specific RMP projects with State Water Board permission, but this takes significant administrative effort.

The Regional Water Board is having difficulty approving funds from the State for the Dr. Teng-Chung Wu pollution prevention award. BACWA has offered to fund this year’s award.

CMSA Permits and Blending Agencies

For the first time, [CMSA’s NPDES Permit](#), adopted on January 10, includes three of its satellite collection systems agencies. The materials from the Regional Water Board Meeting Packet, including comment letters, and Response to Comments are [posted here](#). The collection systems and SCAP have filed a petition to the State Water Board asking for a review and a stay on the Order. CASA is writing a letter to the State Water Board asking them to take up the petition, and BACWA will consider whether to join onto the letter, but has elected not to join the petition itself. At the Regional Water Board adoption hearing, the Board members were sympathetic to concerns about third party liability, but did not opt to use a supplemental WDR in lieu of the NPDES permit, due to the staff time involved to develop it. Instead, the final order pushed out the deadlines for the tasks required by the collection systems, and included a footnote to the table of tasks that would allow the collection systems to reallocate their resources to different areas of their system than those that are listed in the permit.

SSS WDR Reissuance

The State Water Board plans to update and reissue the SSS WDR in 2018. State Water Board staff have been holding workshops around the State, and CWEA has [provided a list](#) of potential areas where changes could be made. The committee discussed the State Water Board’s [presentation](#) on the WDR reissuance process. The State Water Board identified the following areas as needing updating:

1. Update requirements for present and future conditions
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6. Add regulations for larger private collection systems
7. Address climate change impacts.

The State Water Board is seeking stakeholder input on these and other areas in the SSS WDR. The Collection Systems Committee will form a workgroup to respond to this request. Members should contact Lorien if they wish to join the workgroup.

Toxicity

The State Water Board has pushed the tentative date for the State Toxicity Provisions release to April 2018. CASA is considering a study to look at the inherent variability in *Ceriodaphia dubia*. They are asking BACWA to help fund the study.

PCB Congener Reporting

There is uncertainty about how to input PCB data into CIWQS, due to the variability between labs in how the congeners coelute. The State Water Board has developed an updated PET tool that allows inputs for most if not all the coelution possibilities, so agencies will need to determine how to best input their data. The PET tool provided by the state that includes coelutes was distributed to the committee in January by the Chair.

Nutrients

- a. *Optimization and Upgrade Studies* – HDR has is responding to comments on Facility Reports and plans to have the remaining Reports finalized and returned to agencies in the next three weeks. Upon receipt, agencies will have three weeks to submit their [certification letters](#) to HDR as pdfs, and to copy BACWA.
- b. *Nutrient Questionnaire* – EPA Region IX staff did not have any additional information about the proposed voluntary questionnaire, but Terry Fleming recommended that BACWA submit its final Optimization and Upgrade Studies to the EPA Office of Science and Technology to illustrate the good work we're doing in our Region.
- c. *SFEI 2017 NMS Annual report* – SFEI has finalized and posted its [Nutrient Annual report](#) for FY17.
- d. *Sea Level Rise* – BACWA distributed a brief memo prepared by the consulting team which describes how they determined which plants will be impacted by future sea level rise and includes a summary colored coded map which indicates what agencies will be impacted by the various projections. During last week's conference call of the Contract Management Group (i.e. the internal BACWA group that is overseeing the consulting contract) it was pointed out by one agency on the call that they were shown in the memo to be impacted by the 100-year flood when in fact they would actually be protected due to FEMA certified levees designed to protect their plant already surrounding the plant. Unfortunately, the FEMA Flood Insurance Rate Maps (FIRMs) can sometimes be 1-2 years out of date. So it may be that in some cases the information used by the consultants may not completely reflect the present-day protective infrastructure in place. Member agencies should review the memo to see how their plant is classified with respect to flood protection and, if not correct, notify the consultants and provide documentation (i.e. such as certification from FEMA of protective levees being in place. The memo will be circulated to the committee.

Joint meeting between Regional Water Board and Bay Area Air Quality Management District (Air District)

BACWA plans to host a joint meeting between Regional Water Board and Air District staff to discuss cross media issues. At the meeting, we will discuss the ongoing tension between water quality regulations, toxic air contaminant regulation, and greenhouse gas mitigation. BACWA is seeking recommendations from its members on other topics for the agenda. One item that was suggested is the long lag time in getting permits to construct and operate from the Air District. This lag prevents agencies from improving their treatment plants in a timely manner. BACWA will collect case studies illustrating this issue prior to the meeting. There is also the problem of getting permits from the Air District for pilot facilities.

Chlorine Residual Basin Plan Amendment

The Basin Plan chlorine residual effluent limit is 0.0 mg/L. Chlorine residual is the most frequent parameter for violations for Region 2 POTWs. Because there are 24 hourly reporting events each day, the "opportunities" for violations are enormous, but the actual violation rate is very small (~0.001%). Agencies are overdosing their effluent with sodium bisulfite, to prevent chlorine violations, a practice which is estimated to cost more than \$1 million Regionally each year. The Regional Water Board has agreed to work with BACWA to develop a Basin Plan amendment that will change how chlorine residual is permitted, and decrease sodium bisulfite dosing. BACWA has contracted with EOA to provide support for this effort. The [Scope of Work](#) will consider the compliance impacts of adopting EPA Ambient Water Quality Criteria for chlorine and developing Water Quality Based Effluent Limits for each discharger, and of establishing a Minimum Level for online continuous monitoring systems. If this approach is successful, agencies would have limits that are above 0.0 mg/L, and would be given a one-hour average compliance period rather than an instantaneous maximum.

Committee Survey

A short survey was sent to the Permits Committee to solicit input on meeting times, location, content, and a couple other issues. 27 responses to the survey were received. The EBMUD WWTP was the clear preference for location. Meeting time and frequency were split, but a slight preference for keeping meetings at 12pm-2pm every

month emerged from the survey and discussion. There was also a strong interest in finding additional technical speakers for meetings. Other suggestions to improve meetings were to get better call-in equipment (most common suggestion), send out agendas earlier (will aim for Fridays before the meeting), and getting Wifi in the meeting room.

Announcements

- a) [NPDES compliance letter](#) sent to Regional Water Boards
- b) BACWA Annual Members Meeting – [presentations posted](#)
- c) Regulatory Issues Summary [updated](#)
- d) CalOSHA considering updating H2S occupational standards – see [comments](#)

Next BACWA Permits Committee Meeting: Tuesday March 13, EBMUD Treatment Plant Lab Library. Meetings will be held from noon to 2pm from now on to address traffic concerns.

Committee Request for Board Action: None

Detailed notes from meetings are posted [online](#).

16 attendees (including 8 on phone) representing 6 member agencies

State Recycled Water Policy Amendment

See the [1/4/18 Stakeholder Workshop Presentation](#)

January 31 2018

Draft CEC Science Advisory [Report released](#) for Public Comment

February 29, 2018

Final CEC Report due to State Water Board

March 2018

Public Draft Amendment to the Recycled Water Policy

There is also an [informational document](#) outlining the proposed changes to the Recycled Water Policy. The State Water Board proposes removing recycled water mandates, since they are unenforceable. The committee commented that there needs to be consideration that irrigation reuse is seasonal, and therefore winter use will be limited and effluent discharge will continue. It was also pointed out in the committee that recycled water production targets cannot be based on peak POTW flows. The State Water board wants to streamline reporting, and has contacted BACWA regarding its Recycled Water Survey that was part of the nutrient Optimization/Upgrade studies. There is a preference for collecting information from recycled water producers, rather than distributors, to avoid double-counting. With respect to Salt/Nutrient management plans, recycled water is not the only source of salt and nutrients, and should be carved out of the Policy. There will be a framework for Regional Water Boards to decide whether an SNMP is needed, with recognition that it is not needed in all basins. Priority pollutant monitoring requirements will be removed for irrigation and groundwater recharge. They plan to introduce language about water rights via Water Code 1211, and reiterate what actions are within the Water Board's authority.

Transition from 96-011 to State Recycled Water General Order

Under the State General Order, Regional permittees are intended to be transferred by June 2018. The State Water Board is amending its Recycled Water Policy to provide a framework for the transition. There may be a possibility that 96-011 could be updated to make it consistent with the new General Order rather than transitioning its permittees. The committee would like feedback from the Regional Water Board on this issue at the next joint BACWA/Regional Water Board staff meeting.

Enhanced Recycled Water Study Under Next Watershed Permit

Under the next nutrient watershed permit, there will likely be a requirement to do a regional study on non-greyscape alternatives for nutrient removal. This will likely include a recycled water component, and BACWA is interested to hear from the committee what information would be useful to the recycled water community. It was pointed out that many agencies have detailed information on recycled water opportunities, for example, EBMUD is updating its recycled water master plan. DSRSD has more demand than supply of Recycled Water, and is looking for additional sources of recycled water. The regional study could look at barriers and incentives for recycled water. Credit banking for early actions to remove nutrient could be significant when deciding on potable vs. irrigation reuse projects.

Role of Recycled Water in the Estuary Blueprint

Darcie Luce, SFEP, provided update on the recycled water tasks in the CCMP. She wants to know whether the tasks still feel relevant and whether we should update them. SFEP could support BACWA's comments to the Water Boards on issues where recycled water implementation is impacted. Silicon Valley Clean Water is in coordination with the Santa Clara Valley Water District on outreach and would like to support a joint effort that could be run through SFEP. Southern California has NWRI and he would like to see something similar for Northern California, and will follow up with SFEP.

Next Meeting – March 20, 2018 from 10:30 am to 12:30 pm, 2nd Floor Small Training Room at EBMUD Headquarters.



Executive Director's December 2017 Report

NUTRIENTS:

Completed a variety of tasks and activities associated with BACWA's interests on nutrients and collaborating with the Water Board including:

- Coordinated with the OP/Upgrade consulting team on administrative issues.
- Provided concepts for the BACWA Board's input on next steps in developing permit language for the 2nd Nutrient Watershed Permit.
- Coordinated with the NMS Science Manager on presentations, meetings, and key issues on nutrients.
- Organized and attended the bi-monthly meeting with the Water Board, discussed key issues and worked with the RPM to prepare and distribute a summary of the meeting.
- Coordinated with the HDR Project Manager on discussing the final steps needed before submitting the Op/Upgrade Report.
- Attended and participated in the 15th meeting of the NMS Steering Committee and provided BACWA in-kind services by serving as scribe. Following the meeting prepared detailed meeting minutes and summary of action items.

BACWA BOARD MEETING AND CONFERENCES:

- Worked with staff in preparing for the December BACWA Board meeting including review of the agenda with the BACWA Chair.
- Organized and participated in the December Board meeting.
- Continued to track all action items to completion.

ASC/SFEI:

- As the Chair of the Governance Committee coordinated with the SFEI Executive Director on committee activities.
- Provided a personal donation to SFEI as requested of all Board members in an effort to enhance SFEI's ability to attract Foundation funds whose decision criteria often includes review of individual Board member donations.
- Attended the quarterly ASC/SFEI Board meeting with the main topic of discussion being the hiring of an individual to develop a program to attract Foundation funding to provide more stable funding for the non-profit.

FINANCE:

- Reviewed the monthly BACWA financial reports with the AED.
- Continued coordinating with the AED in tracking the revenues coming in from the BACWA FY18 member invoices.

PERMIT COMMITTEE:

- Coordinated with the RPM for items to agendaize for the Permit Committee review.
- Attend the monthly meeting, a joint meeting with the CASA Regulatory Workgroup, and provided updates on the NMS and other BACWA activities.



COLLABORATIONS:

- Coordinated with CASA Regulatory Program Manager on regulator issues of mutual concern.
- Coordinated with NACWA on providing the BACWA logo as a no-cost joint sponsor of the upcoming NACWA Winter Meeting in Napa, California.

MANAGERS ROUNDTABLE:

- Planned for the next quarterly Managers Roundtable meeting by organizing and participating in a conference call of the agenda review subcommittee.

BIOSOLIDS COMMITTEE:

- Met with the Chair of the BACWA Biosolids Committee to discuss future activities and direction of the committee and how it interacts with the Bay Area Biosolids Coalition.

AIR COMMITTEE:

- Coordinated with the AIR Committee leadership on current regulatory issues.

BAPPG COMMITTEE:

- Coordinated with the Pesticide Subcommittee on the drafting, review and submittal of a comment on the Dichlobenil Preliminary Risk Assessment.

O&M INFOSHARE COMMITTEE:

- With the departure of David Stoops of EBDA, the O&M Info Share Committee has a new Co-Chair; Kevin Dickson of EBMUD who will join Joaquin Gonzalez of Delta Diablo as the other Co-Chair.

WOT:

- Organized and participated in the BACWWE Curriculum Committee discussions to confirm the Spring class schedule as well as future class offerings.
- Organized and attended a meeting of the BACWWE member agencies. Provided support by preparing minutes of the meeting and followed-up on Action Items.
- Coordinated with US EPA in their interest in the WOT program as a model for agencies to help ensure operational manpower needs are being met.

ADMINISTRATION:

- Held the monthly BACWA staff meeting to coordinate and prioritize activities.
- Held the annual BACWA Committee Appreciation luncheon where committee leaders attended and shared their experiences over the past year.
- Work with staff and the Board to solicit, review and select the recipient of the biennial Arleen Navarret Award.
- Signed off on invoices, reviewed correspondence, prepared for upcoming Board meeting, responded to inquiries on BACWA efforts, oversaw updating of web page and provided general direction to BACWA staff.
- Worked with the RPM in the preparation of the monthly BACWA bulletin.
- Coordinated with the AED to plan activities and review duties, schedules, and priorities.
- Developed and responded to numerous emails and phone calls as part of the conduct of BACWA business on a day-to-day basis.



MISCELLANEOUS MEETINGS/CALLS:

- BACWA Chair and Committee Chairs on items that arose during the month
- Water Board staff on coordinating the nutrient activities
- other misc calls and inquiries regarding BACWA activities
- participated in coordination calls with the HDR project manager
- responded to Board members requests for information



BACWA
BAY AREA
CLEAN WATER
AGENCIES

Executive Director's January 2018 Report

NUTRIENTS:

Completed a variety of tasks and activities associated with BACWA's interests on nutrients and collaborating with the Water Board including:

- Coordinated with the OP/Upgrade consulting team on administrative issues.
- Planned for the next Nutrient Strategy Team meeting to discuss concepts to be included in the permit language for the 2nd Nutrient Watershed Permit.
- Coordinated with the NMS Science Manager on presentations, meetings, and key issues on nutrients.
- Organized and participated in the monthly CMG conference call to discuss the final efforts needed to complete the Optimization/Upgrade Study
- Coordinated with the HDR Project Manager on the schedule and budget for the Op/Upgrade Report.

BACWA BOARD MEETING AND CONFERENCES:

- Worked with staff in preparing for the January Annual Membership Meeting including review of the final agenda, coordination with presenters, and visiting the meeting venue to ensure needed coordination with venue staff was taking place and the use of the Poll Everywhere tool was working properly.
- Organized and participated in the Annual Membership Meeting.
- Continued to track all action items to completion.

ASC/SFEI:

- As the Chair of the Governance Committee coordinated with the SFEI Executive Director on committee activities.

FINANCE:

- Reviewed the monthly BACWA financial reports with the AED.
- Continued coordinating with the AED in tracking the revenues coming in from the BACWA FY 18 member invoices.
- Met with the BACWA Finance Committee to review and seek input into the FY 19 Budget and 5 Year Plan.

PERMIT COMMITTEE:

- Coordinated with the RPM for items to agendaize for the Permit Committee review.
- Attend the monthly meeting and provided updates on key BACWA activities.



COLLABORATIONS:

- Coordinated with CASA Regulatory Program Manager and Executive Director on regulatory issues of mutual concern.
- Participated in the quarterly conference call of the Clean Water Summit Partners to plan for the next meeting agenda and coordinate activities.
- Attended the CASA Winter Conference but not as the BACWA Executive Director.

MANAGERS ROUNDTABLE:

- Facilitated the January 2018 quarterly Managers Roundtable meeting by organizing the meeting, developing the agenda and attending the meeting.

BIOSOLIDS COMMITTEE:

- Attended the Bay Area Biosolids Coalition meeting to help ensure coordination and collaboration with the BACWA Biosolids Committee

AIR COMMITTEE:

- Coordinated with the AIR Committee leadership on current regulatory issues.

BAPPG COMMITTEE:

- Reviewed the Request for Proposals for securing consulting assistance for technical reviews and outreach in FY 19

WOT:

- Organized and attended the BACWWE Executive Committee meeting to review how the Spring Semester was progressing.
- Participated in a conference call with the Solano Community College and EPA HQ at the request of EPA in order for them to learn more about the joint educational program to help provide the needed supply of qualified operators to POTWs in light of the looming retirement bubble.
- Organized and participated in the BACWWE Communications Committee meeting to plan for future outreach for the program to help ensure full classes in the future.

ADMINISTRATION:

- Held the monthly BACWA staff meeting to coordinate and prioritize activities.
- Work with staff and the Board to solicit, review and select the recipient of the biennial Arleen Navarret Award and presented the award to the winner at the City of Petaluma City Council Meeting.
- Signed off on invoices, reviewed correspondence, prepared for upcoming Board meetings, responded to inquiries on BACWA efforts, oversaw updating of web page and provided general direction to BACWA staff.



- Worked with the RPM in the preparation of the monthly BACWA bulletin.
- Coordinated with the AED to plan activities and review duties, schedules, and priorities.
- Developed and responded to numerous emails and phone calls as part of the conduct of BACWA business on a day-to-day basis.

MISCELLANEOUS MEETINGS/CALLS:

- BACWA Chair and Committee Chairs on items that arose during the month
- Water Board staff on coordinating the nutrient activities
- other misc calls and inquiries regarding BACWA activities
- participated in coordination calls with the HDR project manager
- responded to Board members requests for information



BACWA ACTION ITEMS

Number	Subject	Task	Deadline	Status
Action Items from December 15, 2017 BACWA Executive Board Meeting				
2017.12-37	Nutrient Opt/Upgrade Report	Have HDR coordinate with the Science Manager on ammonia write-up in Op/Upgrade report. Ask SFEI to write a section on the Science Plan for the Report (ED/RPM)	1/31/2018	Completed
2017.12-36	BACWA Website Upgrade	Authorize Computer Courage to add Mobile Layer to BACWA website (AED)	12/31/2017	Completed
2017.12-35	CPSC Policy Education Advisory Committee BACWA Rep	Prepare BAR for February, 2018 Exec. Bd. Mtg (AED/ED)	1/31/2018	Completed
2017.12-34	Annual Meeting	Update PollEv Questions (ED/RPM/AED)	12/31/2017	Completed
2017.12-33	Annual Meeting	Update Regulatory Focus (ED/RPM)	12/31/2017	Completed
2017.12-32	Advance of Science Funding	Ask Regional Board if add'l funds are available (ED/RPM)	2/28/2018	Completed
2017.12-31	Advance of Science Funding	Prepare BAR with SFEI Proposal for February, 2018 Exec. Bd. Mtg (AED/ED)	1/31/2018	Completed
2017.12-30	Sea Level Rise Planning	Direction to NST (ED/RPM)	1/31/2018	Completed
Action Items Remaining from Previous BACWA Executive Board Meetings				
2016.3-61	Membership Policy	Develop policy for out of region agency membership (ED)	6/30/2017	Pending

FY18: 37 of 37 Action Items completed
 FY17: 90 of 90 Action Items completed.
 FY 16: 96 of 97 Action Items completed.



February 14, 2018

Jeanine Townsend, Clerk to the Board
State Water Resources Control Board
1001 I Street, 24th Floor
Sacramento, CA 95814

VIA EMAIL: commentletters@waterboards.ca.gov

Subject: – Changes to Proposed Regulation Prohibiting Wasteful Water Use Practices

Ms. Townsend,

The Bay Area Clean Water Agencies (BACWA) appreciates the opportunity to comment on the changes to the Proposed Regulation on Waste and Unreasonable Water Uses. BACWA is a joint powers agency whose members own and operate publicly-owned treatment works (POTWs) and sanitary sewer systems that collectively provide sanitary services to over 7.1 million people in the nine-county San Francisco Bay Area. BACWA members are public agencies, governed by elected officials and managed by professionals who protect the environment and public health. BACWA supports a Recycled Water Committee with participants from both the water and wastewater sectors, who are interested in increasing recycled water in our Region.

BACWA appreciates this opportunity to comment on how the State Water Board may achieve its goals to encourage the production and use of recycled water while preventing waste and unreasonable use of water. BACWA recommends the State Water Board consider the following:

1. Clarify Subsection (b)(1)(G) as follows, “As of January 1, 2025, the irrigation of turf with potable water on public street medians or publicly owned or and maintained landscaped areas between the street and sidewalk...”
2. Strike Subsection (b)(1)(G)(iii) “the turf is irrigated with recycled water through an irrigation system installed prior to January 1, 2018.”

The Governor’s Executive Order B-37-16 states that “the Water Board shall permanently prohibit practices that waste potable water.” The proposed language includes recycled water, which is an overreach, and provides disincentive for the expansion of recycled water projects throughout the State.

The motivation to implement and use recycled water by BACWA Recycled Water Committee members and agencies throughout the State vary. Many of our member agencies wish to make use of wastewater effluent that would otherwise be discharged into the San Francisco Bay. Some agencies in our region use recycled water to mitigate prohibition of wastewater effluent discharge in protected State waters. For their own reasons, many of our member agencies are

actively planning to implement or expand their projects, which results in reduced discharges of wastewater effluent and associated residual pollutants loads into the San Francisco Bay.

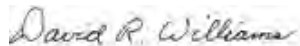
The communities that these agencies serve have made determinations and planned for the best beneficial use of their wastewater effluent. Local agencies must be allowed to make such determinations so that communities are incentivized to use recycled water and projects are economically and technically feasible. Local agencies must be encouraged to invest in the expansion of the use of recycled water.

Furthermore, some of the recycled water projects being considered or that have been approved for funding by the State Water Board propose to irrigate streetscapes with recycled water. Users, public and private, have been encouraged, persuaded, or required to connect to future recycled water facilities. Streetscapes may include turf along with other plant types. The ability to utilize recycled water on established turf in medians and other public areas is critical to the feasibility of those recycled water projects, which will not be completed until after January 1, 2018. In some cases, funding approvals and agreements have been established, and construction projects begun, based on the understanding that turf irrigation with recycled water would be permitted. With this proposed prohibition, meeting project goals may not be feasible, resulting in stranded assets.

BACWA supports the State's goals to encourage water conservation and prohibit wasteful use of water. We wish to work with the State Water Board in achieving those goals while also encouraging the State's goals to implement more water recycling.

Please do not hesitate to contact Rhodora N. Biagtan, Co-Chair of BACWA's Recycled Water Committee, at biagtan@dsrsd.com, if you would like to discuss these comments further.

Respectfully Submitted,



David R. Williams
Executive Director
Bay Area Clean Water Agencies

cc: BACWA Executive Board
Rhodora N. Biagtan, BACWA Recycled Water Committee Co-Chair
Leah Walker, BACWA Recycled Water Committee Co-Chair



DATE	AGENDA
<p align="center">3/2/2018</p> <p>Joint Meeting Items due: 2/23 Pagano; Ervin; Connor; White; Schectel Williams; Fono</p>	<p align="center"><u>Other Business: Discussions</u></p>
<p align="center">3/16/2018</p> <p>Monthly Board Mtg Items due: 3/9 Pagano; Ervin; Connor; White; Schectel Williams; Fono; Hull</p>	<p><u>Consent</u> Previous Board Meeting Minutes (AED) Monthly Financial Report</p> <p><u>Authorizations & Approvals</u></p> <p><u>Other Business - POLICY/STRATEGIC</u> Discussion: WB Joint Meeting Debrief</p> <p><u>Other Business - OPERATIONAL</u> Discussion: Second Draft of FY19 Budget Discussion: Update on BARR Taskforce Discussion: CPSC Update Discussion: Biannual Update on CASA Climate Change Program Discussion: Pesticides Update (Kelly Moran)</p> <p><u>Reports</u> Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Other BACWA Representative Reports</p>
<p align="center">4/20/2018</p> <p>Monthly Board Mtg Items due: 4/13 Pagano; Ervin; Connor; White; Schectel Williams; Fono; Hull</p>	<p><u>Consent</u> Previous Board Meeting Minutes (AED) Monthly Financial Report</p> <p><u>Authorizations & Approvals</u> Approval: FY19 Budget</p> <p><u>Other Business - POLICY/STRATEGIC</u> Discussion: Draft Agenda Joint Meeting with WB</p> <p><u>Other Business - OPERATIONAL</u> Discussion: Update on BAAQMD Regulations Discussion: Update on regional and statewide biosolids issues Discussion: CASA Climate Change Program Discussion: NBWA Conference Debrief Discussion: POTW Pesticide Sampling Efforts (Dr. Jennifer Teerlink)</p> <p><u>Reports</u> Committee Reports (Committee Chairs) Board Reports (Executive Board)</p>

ED Report (ED)
RPM Report (RPM)
Other BACWA Representative Reports

5/?/2018

Joint Meeting - Water Board

Other Business: Discussions

Items due: 5/?

Pagano; Ervin; Connor; White; Schectel

Williams; Fono

5/18/2018 **Consent**

Monthly Board Mtg

Items due: 5/11

Pagano; Ervin; Connor; White; Schectel

Williams; Fono; Hull

Previous Board Meeting Minutes (AED)
Monthly Financial Report

Authorizations & Approvals

Approval: FY19 Consulting Amendments/Agreements

Approval: Officers: Chair & Vice-Chair FY19

Authorization: Legal Support Amendments FY19

Other Business - POLICY/STRATEGIC

Discussion: Water Board Jt Mtg Debrief

Discussion: CEC Update

Other Business - OPERATIONAL

Reports

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

6/?/2018 **TENTATIVE - No Board Actions Permitted**

Nutrient Optimization/Upgrade Workshop #3

Pagano; Ervin; Connor; White; Schectel

Williams; Fono

Optimization/Upgrade Studies

Water Board

6/15/2018 **Consent**

Monthly Board Mtg

Items due: 6/8

Pagano; Ervin; Connor; White; Schectel

Williams; Fono; Hull

Previous Board Meeting Minutes (AED)
Monthly Financial Report

Authorizations & Approvals

Approval: FY19 Agreements

Approval: Appt BACWA Rep to ASC/SFEI Jt Board

Other Business - POLICY/STRATEGIC

Discussion: Opt/Upgrade Workshop Debrief

Discussion: Draft Agenda WB Joint Meeting

Other Business - OPERATIONAL

Discussion: BAAWMD Annual Meeting Draft Agenda

Discussion: 2019 BACWA Executive Board Calendar

Reports

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)
Other BACWA Representative Reports

7/?/2018

Joint Meeting - Water Board

Other Business: Discussions

Items due: 7/?

Pagano; Ervin; Connor; White; Schectel

Williams; Fono

7/20/2018 **Consent**

Monthly Board Mtg

Items due: 7/13

Pagano; Ervin; Connor; White; Schectel

Williams; Fono; Hull

Previous Board Meeting Minutes (AED)
Monthly Financial Report

Authorizations & Approvals

Approval: Annual Nutrient WS Payment
Approval: FY19 Agreements

Other Business - POLICY/STRATEGIC

Discussion: Water Board Jt Mtg Debrief
Discussion: Draft Agenda Pre-Pardee Technical Seminar
Discussion: Risk Reduction Update?
Discussion:

Other Business - OPERATIONAL

Discussion:

Reports

Committee Reports (Committee Chairs)
Board Reports (Executive Board)
ED Report (ED)
RPM Report (RPM)
Other BACWA Representative Reports

8/17/2018 **Consent**

Monthly Board Mtg

Items due: 8/10

Pagano; Ervin; Connor; White; Schectel

Williams; Fono; Hull

Previous Board Meeting Minutes (AED)
Monthly Financial Report

Authorizations & Approvals

Other Business - POLICY/STRATEGIC

Discussion: HDR Quarterly Update on Optimization/ Upgrade studies
Discussion: Draft Agenda & Schedule Pre & Pardee Technical Seminar
Discussion: RMP & NMS Update (Phil Trowbridge/David Senn)

Other Business - OPERATIONAL

Discussion:

Reports

Committee Reports (Committee Chairs)
Board Reports (Executive Board)
ED Report (ED)
RPM Report (RPM)
Other BACWA Representative Reports

9/21/2018 **Consent**

Monthly Board Mtg

Previous Board Meeting Minutes (AED)

Items due: 9/14
Pagano; Ervin; Connor; White; Schectel
Williams; Fono; Hull

Monthly Financial Report

Authorizations & Approvals

Approval:

Other Business - POLICY/STRATEGIC

Discussion: Draft Agenda Pardee Technical Seminar

Discussion: Annual Meeting Planning

Discussion: Biannual Update on CASA Climate Change Prog

Other Business - OPERATIONAL

Reports

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

9/21/2018 No Board Actions Permitted

Pre-Pardee Mtg

Pagano; Ervin; Connor; White; Schectel
Williams; Fono; Hull

10/25-26/2018 No Board Actions Permitted

Pardee Technical Seminar

Pagano; Ervin; Connor; White; Schectel
Williams; Fono; Hull

11/16/2018 Consent

Monthly Board Mtg

Items due: 11/9

Pagano; Ervin; Connor; White; Schectel
Williams; Fono; Hull

Previous Board Meeting Minutes (AED)

Monthly Financial Report

Authorizations & Approvals

Approval: Adoption of FY18 Annual Reports

Other Business - POLICY/STRATEGIC

Discussion: Pardee Debrief & Survey

Discussion: Draft Agenda Joint Meeting with WB

Discussion: ReNEWIt Industrial Advisory Board Meeting Debrief

Discussion: SAF-MBR Kickoff Meeting Debrief

Discussion: Climate Change Update?

Discussion: WTA Fact Finding Invitation

Other Business - OPERATIONAL

Discussion: Annual Meeting Planning

Reports

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

12/?/2018

Joint Meeting - Water Board

Items due:

Other Business: Discussions

Pagano; Ervin; Connor; White; Schectel
Williams; Fono

12/21/2018 Consent

Monthly Board Mtg

Items due: 12/14

Pagano; Ervin; Connor; White; Schectel

Williams; Fono; Hull

HOLIDAY LUNCH

COMMITTEE APPRECIATION

LUNCH

Previous Board Meeting Minutes (AED)

Monthly Financial Report

Authorizations & Approvals

Other Business - POLICY/STRATEGIC

Discussion: WB Joint Meeting Debrief

Other Business - OPERATIONAL

Discussion: Annual Meeting Agenda

Discussion: Budget Schedule & Key Issues

Reports

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

1/?/2019

Annual Members Mtg

Pagano; Ervin; Connor; White; Schectel

Williams; Fono; Hull

Service & Leadership Recognition

RMP & NMS Update

EPA, CWRCB, RWCB, Air Dist,

2/?/2019 Consent

Monthly Board Mtg

Items due: 2/?

Pagano; Ervin; Connor; White; Schectel

Williams; Fono; Hull

Previous Board Meeting Minutes (AED)

Monthly Financial Report

Authorizations & Approvals

Approval:

Other Business - POLICY/STRATEGIC

Discussion: Draft Agenda Joint Meeting with WB

Discussion: Update on regional and statewide biosolids issues

Discussion: AQPI Presentation

Discussion: DHS RRAP

Other Business - OPERATIONAL

Discussion: FY2019 Budget Planning - 1st Draft of FY19 Budget

Discussion: Annual Meeting Debrief

Reports

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

CURRENTLY

UNSCHEDULED

& SIGNIFICANT

* Suggestions for Monthly Meeting Guest Speakers/Presenters: i.e. Jim McGrath, State Water Board



December 2017

BACWA BULLETIN: Completed and distributed December Bulletin. Drafted January Bulletin.

TOXICITY: Developed handout for CASA conference toxicity roundtable.

CECs: Discussed OPC Ocean Litter Prevention priorities with POTW workgroup.

NPDES COMPLIANCE: Contacted SFEI to get material for NPDES compliance letter.

COMMITTEE SUPPORT:

AIR – Drafted Board report. Distributed information on CalOSHA H2S standards.

Asset Management – Started Google Group for committee.

BAPPG – Drafted meeting notes and Board Report. Drafted three RFQs for committee support. Reviewed and submitted dichlobenil comment letter.

Collection Systems – Drafted Board Report. Communicated with Regional Water Board about CMSA Tentative Order.

Laboratory – Started Google Group for committee.

O&M Infoshare- Discussed succession planning. Distributed information on CalOSHA H2S standards

Permits – Attended joint meeting with CASA RWG.

Recycled water – Drafted list of BACWA Accomplishments to fulfill CCMP Recycled Water Action Items. Discussed succession planning with chairs. Reviewed Recycled Water Policy and CEC Scientific Panel Findings materials.

Executive Board – Assisted in preparing meeting packet, attended meeting and edited action items. Drafted summary of Joint meeting with Regional Water Board.

ADMINISTRATION/STAFF MEETING – Discussed BACWA administration and planned Executive Board meeting. Worked with AED to distribute and review Membership survey. Uploaded committee documents and made updates to website.

MEETINGS ATTENDED: Joint meeting with RWB (12/4), Staff meeting (12/5), BAPPG (12/6), Joint Permits/CASA RWG meeting (12/14), Executive Board Meeting (12/15), Committee Appreciation Luncheon (12/18).



January 2018

NUTRIENTS: Participated in CMG call. Assisted in developing BACWA nutrient expenditures list.

BACWA BULLETIN: Completed and distributed January Bulletin. Drafted February Bulletin.

CECs: Reviewed and provided comments on OPC Ocean Litter Prevention strategy draft.

NPDES COMPLIANCE: Drafted and submitted 2017 NPDES Compliance Letter.

REGULATION ISSUES SUMMARY: Updated issues matrix prior to Annual Members meeting

BLENDING: Attended CMSA Permit adoption hearing. Discussed permit with member agencies and collection systems' attorney.

COLLABORATIVES: Attended CASA Winter Conference and ran Toxicity Roundtable.

RECYCLED WATER POLICY AMENDMENT: Viewed staff hearing webcast, and reviewed informational document and CEC scientific panel report. Shared information with Permits and Recycled Water Committees. Emailed with Regional Water Board Staff regarding recycled water reporting.

COMMITTEE SUPPORT:

AIR – Reviewed consultant invoices.

BAPPG – Finalized and distributed three support RFQs to consultants.

Collection Systems – Drafted agenda and attended meeting. Reviewed CUWA White Paper on impacts of low flows.

Permits – Drafted agenda and attended meeting.

Pretreatment – Started Google Group.

Recycled water – Finalized list of BACWA Accomplishments to fulfill CCMP Recycled Water Action Items. Discussed succession planning with chairs.

Executive Board – Prepared for, attended, and managed presentations, at Annual Members meeting. Drafted presentation and handout on committee accomplishments.

ADMINISTRATION/STAFF MEETING – Discussed BACWA administration and planned Executive Board meeting. Managed committee Google Groups. Updated documents on website. Worked with consultant on mobile layer for website.

MEETINGS ATTENDED: Staff meeting (1/8), Permits Committee (1/9), RWB Hearing (1/10), Recycled Water Committee (1/16), Annual Meeting venue walkthrough (1/16), Annual Members meeting (1/19), CASA members meeting (1/25-1/25), Staff meeting (1/30).