



**Executive Board Meeting  
AGENDA  
Friday, August 17, 2018  
SFPUC, Hetch Hetchy Room, 13th Floor  
525 Golden Gate Ave., San Francisco, CA**

<u>Agenda Item</u>	<u>Time</u>	<u>Pages</u>
<b>ROLL CALL AND INTRODUCTIONS</b>	9:00 AM	
<b>PUBLIC COMMENT</b>	9:03 AM	
<b>CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER</b>	9:04 AM	
<b>CONSENT CALENDAR</b>	9:05 AM	
1 July 20, 2018, BACWA Executive Board Meeting Minutes		3-8
2 June 2018 Treasurer's Reports		9-21
<b>APPROVALS &amp; AUTHORIZATIONS</b>	9:06 AM	
3 <u>Approval</u> : BACWA Biennial Conflict of Interest Code Review		22-36
4 <u>Approval</u> : Biosolids Fire Restoration WERF Project Contribution		37-52
5 <u>Approval</u> : APA Risk Reduction Agreement FY19		53-69
<b>OTHER BUSINESS - POLICY/STRATEGIC</b>	9:10 AM	
6 <u>Discussion</u> : Nutrients		
a. Regulatory		
i. Nutrient Strategy Team Review		70-74
ii. HDR Update		
b. Technical Work		
i. Potential Funding of Nutrient-related SEP Projects		
c. Governance Structure		
i. Planning Subcommittee Meeting #33		75-76
7 <u>Discussion</u> : Water Board Jt Mtg Draft Agenda 8/23/18		77
8 <u>Discussion</u> : Draft Agenda Pre-Pardee Technical Seminar 9/21/18		78-81
9 <u>Discussion</u> : Membrane Aerated Biofilm Reactor (MABR) Research		
10 <u>Discussion</u> : Contaminants of Emerging Concern Whitepaper		82-83
11 <u>Discussion</u> : SSS WDR Incorporation into NPDES Permits		84-87
12 <u>Discussion</u> : Biosolids Fire Restoration Project		
13 <u>Discussion</u> : Santa Clara Countywide Water Reuse Master Plan		88-94
14 <u>Discussion</u> : SSS WDR CASA Redline		95-96
<a href="#">Final WDR Redlines</a>		
<a href="#">Final MRP Redlines</a>		
15 <u>Discussion</u> : Annual BAAQMD Meeting Debrief		97
16 <u>Discussion</u> : Air/Water Case Studies		
17 <u>Discussion</u> : Toxicity Litigation Update		98-99
18 <u>Discussion</u> : Wetlands Workshop Debrief 8/14/18		100-101
<a href="#">Wetland Policies Update</a>		
<b>OTHER BUSINESS - OPERATIONAL</b>	10:45 AM	
19 <u>Discussion</u> : Options for Supporting the Bay Area Biosolids Coalition		102-108
20 <u>Discussion</u> : Bay Area Climate Adaptation Network (BayCAN) Launch		109
21 <u>Discussion</u> : Operations and Maintenance Committee Attendance		110-112
22 <u>Discussion</u> : BACWA Bulletin - Member News Section		
<a href="#">CASA Newsletter</a>		
23 <u>Discussion</u> : Recognition of Outstanding Regulators		
24 <u>Discussion</u> : Second Representative for RMP Technical Committee		
25 <u>Discussion</u> : Possible Unintended Consequences of Conservation Workshop		113
<a href="#">Unintended Consequences</a>		
<a href="#">Connecting the Dots</a>		

<b>REPORTS</b>		<b>12:10 PM</b>	
26	Committee Reports	<a href="#">BAAQMD</a>	<b>114-119</b>
27	Member Highlights		
28	Executive Director Report		<b>120-128</b>
29	Regulatory Program Manager Report		<b>129</b>
30	Other BACWA Representative Reports		<b>130</b>
	a. RMP TRC	Mary Lou Esparza	
	<a href="#">Pesticides</a>	<a href="#">CEC's</a>	
	b. RMP Steering Committee	Karin North; Leah Walker; Eric Dunlavey	
	c. Summit Partners	Dave Williams; Lori Schectel	
	d. ASC/SFEI	Laura Pagano; Dave Williams; Amit Mutsuddy; Karin North	
	e. Nutrient Governance Steering Committee	Eric Dunlavey; Eileen White; Bhavani Yerrapotu; Lori Schectel	
	e.i Nutrient Planning Subgroup	Eric Dunlavey	
	e.ii NMS Technical Workgroup	Eric Dunlavey	
	f. SWRCB Nutrient SAG	Dave Williams	
	g. SWRCB Focus Group – Mercury Amendments to the State Plan	Tim Potter; Laura Pagano; David Williams	
	h. NACWA Taskforce on Dental Amalgam	Tim Potter	
	i. BAIRWMP	Cheryl Munoz; Linda Hu; Dave Williams	
	j. NACWA Emerging Contaminants	Karin North; Melody LaBella	
	k. CASA State Legislative Committee	Lori Schectel	
	l. CASA Regulatory Workgroup	Lorien Fono	
	m. ReNUWit	Jackie Zipkin; Karin North	
	n. RMP Microplastics Liaison	Nirmela Arsem	
	o. AWT Certification Committee	Maura Bonnarens,	
	p. Bay Area Regional Reliability Project	Eileen White,	
	q. WaterReuse Working Group	Cheryl Munoz;	
	r. San Francisco Estuary Partnership	Eileen White; Dave Williams	
	s. CPSC Policy Education Advisory Committee	Doug Dattawalker, Coleen Henry	
	t. California Ocean Protection Council	Lorien Fono	
<b>31 SUGGESTIONS FOR FUTURE AGENDA ITEMS</b>		<b>12:27 PM</b>	
<b>NEXT MEETING</b>		<b>12:28 PM</b>	
The next regular meeting of the Board is scheduled for September 21, 2018 from 8:30 am to 9:00 am at EBMUD, 2nd Floor Large Training Room, 375 11th Street, Oakland, CA. The BACWA Pre-Pardee Seminar will follow from 9:00 am to 3:00 pm.			
<b>ADJOURNMENT</b>		<b>12:30 PM</b>	

## ROLL CALL AND INTRODUCTIONS

Executive Board Representatives: Lori Schectel (Central Contra Costa Sanitary District); Amit Mutsuddy (San Jose); Laura Pagano (SFPUC); Eileen White (East Bay Municipal Utility District); Jacqueline Zipkin (East Bay Dischargers Authority).

### Other Attendees:

<u>Name</u>	<u>Agency/Company</u>
Amanda Roa	Delta Diablo
Amy Chastain	SFPUC
Bhavani Yerrapotu	Sunnyvale
Courtney Mizutani	Carollo
David Senn	SFEI
Eric Dunlavey	San Jose
Greg Baatrup	Fairfield Suisun
Holly Kennedy	HDR
Joanne Brasch	CPSC
Karin North	City of Palo Alto
Karri Ving	SFPUC
Sarah Deslauriers	Carollo
Tom Hall	EOA, Inc.
Jimmy Dang	Oro Loma
Yuyun Shang	EBMUD
Jim Graydon	Woodard Curran
Peter Kistenmacher	Black & Veatch
Mallika Ramanathan	Brown & Caldwell
David Williams	BACWA
Lorien Fono	BACWA
Sherry Hull	BACWA

## **PUBLIC COMMENT**

None.

**CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER** – Item 7.a.iii, Proposal for Water Board Workshop and Report Brochure Development was taken out of order before Item 4; Item 7.b, Update on Nutrient Management Strategy Science Plan & Funding, was taken out of order; Item 16, California Product Stewardship Council Update, was taken out of order.

## **CONSENT CALENDAR**

**1.** June 15, BACWA Executive Board Meeting Minutes – The approved minutes will be posted on the BACWA website.

**2.** May 2018 Treasurer’s Reports and Financial Summary – A Financial Summary Report was included in the Packet. A copy of the FY18 Budget as of May 31, 2018, (92% 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 is also provided.

***Consent Calendar items 1 and 2:** A motion to approve was made by Laura Pagano and seconded by Eileen White. The motion was approved unanimously.*

## **APPROVALS & AUTHORIZATIONS**

**3.** Approval: Annual Nutrient Watershed Payment & Voluntary Payment of Nutrient Science Funding – A Board Action Request, Letter of Request and Invoice were included in the Packet.

***Item 3:** A motion to approve was made by Jacqueline Zipkin and seconded by Eric Dunlavey. The motion was approved unanimously.*

**4.** Approval: Amendment to HDR FY18 Optimization/Upgrade Report Agreement– A Board Action Request and Proposal were included in the Packet. The Executive Director asked HDR to summarize the Proposal.

***Item 4:** A motion to approve was made by Eileen White and seconded by Laura Pagano. The motion was approved unanimously.*

**5.** Approval: Carollo FY19 Consulting Agreement for AIR Committee Support – A Board Action Request, Original Agreement and Amendment were included in the Packet. The Executive Board discussed the value of the consultant support.

***Item 5:** A motion to approve was made by Laura Pagano and seconded by Jaqueline Zipkin. The motion was approved unanimously.*

**6.** Receipt: Agreement with Solano Community College for FY19 (Fall 2018 & Spring 2019) – A Board Action Request, a signed Agreement, and a list of proposed classes for Fall 2018 were included in the Packet. The Executive Director noted that the agreement meets the criteria for Chair approval. Therefore Item 6 is a Receipt and does not require Board approval.

## OTHER BUSINESS-POLICY/STRATEGIC

### Agenda **Item 7** – Discussion: Nutrients

#### a. Regulatory

- i. Nutrient Strategy Team Update – The Executive Director gave the Board an update noting that the meeting will follow the current Executive Board meeting and that Water Board Staff will attend.
- ii. Final Update on Optimization/Upgrade Report – A [LINK](#) to the final report was included in the Packet. HDR noted that the final report was submitted to the Water Board before the deadline. They are now collecting data for the final Group Annual Report which is due on October 1, 2018, for which they plan to have a draft by the end of August. HDR will prepare for the workshop at the Water Board and will prepare the Brochure.
- iii. Proposal for Water Board Workshop and Report Brochure Development – This item was taken out of order before Item 4. HDR provided an overview of their Proposal for providing an Optimization/Upgrade workshop for Water Board Staff, and the development of a Brochure for a high level and graphical overview of the Optimization/Upgrade Report for use by the BACWA membership. Board members discussed the importance of impact on rate payers as context in the brochure. HDR will provide a PowerPoint presentation to accompany the brochure.
- iv. Summary of Nutrient Surcharges for BACWA Members for FY19 – A spreadsheet showing the calculated Nutrient Surcharges for FY19 was included in the Packet. The Executive Director noted that the spreadsheet also showed approximate Nutrient Surcharges beginning in FY20 under the 2<sup>nd</sup> Watershed Permit when all BACWA Members will be charged based on the running average of three years daily total nitrogen discharge from the Annual Report. In response to a question from a Board member, the RPM noted that the surcharge is based on the three years ending two years before the current date. The Executive Director will follow up at Pardee with options for changes to BACWA Reserves.

#### b. Technical Work -

- i. Update on Nutrient Management Strategy Science Plan & Funding – The TRC Recommendations table, dated June 14, 2018, was included in the Packet. Dr. David Senn provided an update on the Science Program, with particular emphasis on funding priorities. SFEI has hired two new employees to work on the program and are diversifying their approach. Their work continues to inform permit issues. BACWA requested input from the Science Manager regarding reduced funding from the RMP. While the impact would not likely be felt this year, there are projects that would probably not be completed long term due to the reduced funding. The Board and members discussed other options for funding and the Board agreed that it would support the RMP funding levels with the request that any SEP projects that are funded be nutrient focused. The Board suggested an additional BACWA representative to the RMP Technical Committee be identified.

c. Governance Structure –

- i. Planning Subcommittee Meeting #32 Debrief – The Summary of the July 5, 2018 meeting was included in the Packet. The Executive Director noted the key discussion issues of RMP Funding and Subembayment boundaries. The Board supports science-based subembayment boundaries.

Agenda **Item 8** - Discussion: Water Board Joint Meeting Draft Agenda – A Draft Agenda for the August 23, 2018 meeting and a [LINK](#) to the Ecological Rights Foundation’s Intent to File Suit Under the Clean Water Act was included in the Packet. The Regulatory Program Manager gave an overview of the agenda. The agenda includes a discussion of the update of the SWRCB’s SSS WDR. Under that agenda item BACWA plans on discussing the Intent to File Suit received by one of its members and the added liability to our members, associated with 3<sup>rd</sup> party lawsuits, by including the State’s SSS WDR regulation in the Federal NPDES Permit. Language has been suggested, by the member who received the Intent to File Suit, which makes it clear that the SSS WDR is not part of the NPDES Permit. That language will be reviewed by the BACWA Board at the August 17, 2018 BACWA Executive Board Meeting.

Agenda **Item 9** – Discussion: Pre-Pardee Technical Seminar Draft Program – A Pre-Pardee Technical Seminar Draft Program and a Pardee Technical Seminar Draft Program were included in the Packet. The Executive Director gave an overview of the Pre-Pardee Program. The Board suggested that the AIR issues be prioritized as issue-specific with case studies supporting those issues, keeping in mind that there are conflicting requirements from State agencies in addition to Regional agencies. The Executive Director will agendize the issue of collaboration between State agency air and water regulators at the next meeting of the Summit Partners.

Agenda **Item 10** – Discussion: Countywide Water Reuse Master Plan Meeting – An email *Invitation to Participate - Stakeholders Task Force for the CWRMP*, along with a copy of the letter of invitation from SCVWD and a list of the invitees, was included in the Packet. The Board discussed who should attend and, while other Board members may attend to represent their agencies, one Board member plans to attend to represent BACWA.

Agenda **Item 11** – Discussion: AIR Committee/BAAQMD Annual Meeting Draft Agenda – The Agenda for the August 6, 2018 meeting was included in the Packet. Sarah Deslauriers and Courtney Mizutani from Carollo gave an overview of the agenda and noted that the meeting will be more a workshop highlighting discussion vs a presentation. The Board made some suggestions for changes to the Agenda. Since it is expected that three or more BACWA Board members will attend, the meeting will be posted.

Agenda **Item 12** – Discussion: Joint Water Board/BAAQMD Case Study Review – The Executive Director noted that pertinent information from case studies will be reviewed at the Executive Board meeting and Pre-Pardee meetings scheduled for August and September. The Regulatory Program Manager gave an overview of the Agencies who have issues they would like to have

discussed. The Board reiterated that the focus should be on systemic issues with the case studies supporting those concerns. Following review of the systemic issues and the case studies supporting those issues, the BACWA Board will determine if there is sufficient documentation to warrant holding a joint meeting with the Water Board and BAAQMD.

**Agenda Item 13** – Discussion: State Water Board SSS WDR Update – An email from CASA and an email from the State Water Board, along with a [LINK](#) to the Amended MRP and a [LINK](#) to the WDR for Redlining were included in the Packet. The Regulatory Program Manager gave an overview of the redline effort.

**Agenda Item 14** – Discussion: Water Board Hearing on Wetlands Policy – An Announcement of the SF Bay Water Board Workshop on August 14, 2018 and a summary of BACWA Agency Wetlands information were included in the Packet. The Executive Director asked the Board to provide comments. The Regulatory Program Manager gave a presentation on the policy, the reasons for the update, BACWA's efforts to date, and several options for additional BACWA comments. The Board supported all comment options. Two Board members volunteered to testify at the hearing. BACWA will also deliver additional information on agency planned projects to the Regional Water Board.

**Agenda Item 15** – Discussion: Requests for Letter of Support for Title XVI WIIN Funding– A letter of support for DSRSD and a draft letter of support for the City of Palo Alto were included in the Packet. The Executive Director noted that the letter to DSRSD had already been provided. The Executive Director asked if the Board supported providing letters of support to other agencies. The Board concurred that BACWA should provide a support letter to any member agency that requests one.

## **OTHER BUSINESS-OPERATIONAL**

**Agenda Item 16** – Discussion: California Product Stewardship Council Update – Ms. Joanne Brasch from CPSC gave a presentation on CPSC's efforts, particularly around producer responsibility and sharps and needles. The presentation can be seen at this [LINK](#). She noted that, in addition to the current financial support, BACWA can provide additional support with legislative bills and the provision of data and pictures. A member of the BACWA BAPPG Committee suggested that BACWA add a representative to the CPSC Policy and Education Advisory Committee (PEAC).

**Agenda Item 17** – Discussion: BACWA Committee Leadership Succession Update for FY19 – A list of Committee Chairs, Co-Chairs and Vice-Chairs for FY19, showing changes, was included in the Packet. The Executive Director noted the changes.

Agenda **Item 18** – Discussion: Options for Supporting the Bay Area Biosolids Coalition – Karri Ving updated the Board on the status of the BABC’s consideration for becoming a Project of Special Benefit under BACWA. The Steering Committee will meet in August and she will report back to BACWA following that meeting. BACWA would provide administrative, invoicing, and contracting support. She noted that BACWA had recently provided such support for a special research project with UC Merced and thanked BACWA for that assistance. She noted that the BACWA Biosolids Committee has a different focus (facility tours and education) and would likely continue for the time being. The Executive Director offered to provide a draft agreement. The BACWA Board thanked the BABC for their work.

Agenda **Item 19** – Discussion: Operations & Maintenance Committee Meeting Attendance – A Survey on O&M Meeting Topics was included in the Packet. The Regulatory Program Manager asked those in attendance to encourage their O&M employees to attend the Committee meetings. She will send out a short survey on meeting topics and include a list of Committee members.

Agenda **Item 20** – Discussion: BACWA's Biosolids Survey Update – The BACWA Biosolids Survey for 2018 was included in the Packet. The Regulatory Program Manager noted that it is a follow up to the 2016 Survey so the questions are similar.

Agenda **Item 21** - Discussion: Update on Permit Requirements for Risk Reduction – The Request for Proposals was included in the Packet. The Executive Director gave an overview and noted that the RFP spells out milestones prior to remittance of lump sum payments.

## REPORTS

Agenda **Item 22** – Committee Reports – BACWA Committee Reports were included in the Packet. A was included in the Packet.

AIR Committee: A report from the June 8, 2018 meeting was included in the Packet.

BAPPG Committee: No meeting.

Biosolids Committee: No meeting.

Collections Committee: No meeting.

InfoShare - Asset Management: No meeting.

InfoShare – Operations & Maintenance: No meeting.

Lab Committee: A report from the June 13, 2018 meeting was included in the Packet along with a presentation on Document Control from the July 11, 2018 meeting.

Permits Committee: A report from the July 10, 2018 meeting was included in the Packet.

Pretreatment Committee: No meeting.

Recycled Water Committee: No meeting.



Agenda **Item 23** - 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:** A reminder of the Happy Hour planned following the NST meeting as a send off for Mike Connor.

**EBMUD:** No report.

**Central Contra Costa:** Recently received their 20<sup>th</sup> consecutive NACWA award for full compliance. Noted that a representative from a post-consumer recycle non-profit from Paris France had recently toured their facility.

**San Francisco:** No report.

**San Jose:** Continued construction is on-going at the plant. They hosted a tour of EBMUD staff showing that they are updating an old digester and replacing the foundation to meet seismic codes. Co-Gen has started, the engines will arrive in November from Germany. They have awarded a design-build project to Jacobs.

**Delta Diablo:** They received a \$4M grant from CalRecycle for a co-digestion project.

**Sunnyvale:** No report.

**Fairfield Suisun:** No report.

**Palo Alto:** No report.

Agenda **Item 24** - The **Executive Director's (ED) Report** for June 2018, along with a CASA email and Scope on the Toxicity White Paper, the Board Calendar, and BACWA Action Items, were included in the Packet. It was noted that 64 of 66 action items from FY18 have been completed. The Executive Director reminded the Board that they had previously approved funds in the amount of \$15,000.00 for support of the CASA Toxicity Study contingent on support in the form of an overview panel comprised of individuals from the State and SCWRP, plus contingent on the financial participation of other entities. The Executive Director noted that the project has been revitalized, with a reduction in scope to a White Paper. He confirmed with the Board that they still wanted BACWA to contribute proportional funding for preparation of the White Paper.

Agenda **Item 25** - The **Regulatory Program Manager (RPM) Report** for June 2018 was included in the Packet.

Agenda **Item 26 - Other BACWA Representative Reports** – BACWA Representative were given an opportunity to provide updates. No actions were taken based on the reports.

- a. RMP-TRC: Mary Lou Esparza – No report.
- b. RMP Steering Committee: Karin North; Leah Walker; Eric Dunlavey – No report
- c. Summit Partners: Dave Williams; Lori Schectel – No report.

- d. **ASC/SFEI:** Laura Pagano; Dave Williams; Amit Mutsuddy; Karin North – A [LINK](#) to the Draft Strategic Plan, and a [LINK](#) to the Executive Director Report were included in the Packet.
- e. Nutrient Governance Steering Committee: Eric Dunlavey; Eileen White; Bhavani Yerrapotu; Lori Schectel – No report.
  - i. Nutrient Planning Subgroup: Eric Dunlavey
  - ii. NMS Technical Workgroup: Eric Dunlavey
- f. SWRCB Nutrient SAG: Dave Williams – No report.
- g. SWRCB Focus Group – Mercury Amendments to the State Plan: Tim Potter; Dave Williams; Laura Pagano – No report
- h. NACWA Taskforce on Dental Amalgam: Tim Potter – No report.
- i. BAIRWMP: Cheryl Munoz, Linda Hu, Dave Williams - No report.
- j. NACWA Emerging Contaminants: Karin North, Melody La Bella – No report
- k. CASA State Legislative Committee: Lori Schectel – No report.
- l. CASA Regulatory Workgroup – Lorien Fono - No report.
- m. ReNUWIt: Jackie Zipkin; Karin North – No report.
- n. RMP Microplastics Liaison: Nirmela Arsem – No report.
- o. AWT Certification Committee: Maura Bonnarens – No report.
- p. Bay Area Regional Reliability Project: Eileen White– No report
- q. WateReuse Working Group: Cheryl Munoz – No report.
- r. San Francisco Estuary Partnership – Eileen White; Dave Williams – No report
- s. CPSC Policy Education Advisory Committee – Doug Dattawalker – No report.
- t. California Ocean Protection Council – Lorien Fono – No report.

**Agenda Item 27 - SUGGESTIONS FOR FUTURE AGENDA ITEMS.**

Sea Level Rise – BAYCAN.

**ANNOUNCEMENTS:**

The next regular meeting of the Board is scheduled for **August 17, 2018 from 9:00 am – 12:30 pm** at the **SFPUC, Hetch Hetchy Room, 13<sup>th</sup> Floor, 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](mailto:shull@bacwa.org).

The meeting adjourned at 12:31 pm.



## MONTHLY FINANCIAL SUMMARY REPORT June 2018

### **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 June 30, 2018 was \$1,186,598 which is significantly higher than the target reserve of \$160,000 which is intended to cover 3 months of normal operating expenses. \$53,620 of the ending fund balance is shown on the June 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). However, all of these encumbrances expire as of June 30, 2018. This leaves an actual unobligated excess fund balance of \$1,186,598 as of June 30, 2018 and going forward into FY19. 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 June 30, 2018 was \$1,814,647 which is significantly higher than the target reserve of \$400,000. \$160,838 of the ending balance is obligated to meet line item expenses for completion of the Optimization/Upgrade Studies contract, the Chlorine Residual BPA work, and for technical support. This leaves an actual unobligated excess fund balance of \$1,653,809 as of June 30, 2018. 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 June, 2018 (100% of the FY) are at 102% due entirely to higher than expected interest income. The FY18 BACWA invoices were sent at the end of July 2017 and the end of August 2017, and 100% of those invoices were paid before the end of December. The interest revenue reported through June, 2018 includes \$5,788 interest from the investment of Funds in LAIF for the 4<sup>th</sup> quarter of FY17.



## MONTHLY FINANCIAL SUMMARY REPORT June 2018

Overall Expenses as of June 30, 2018 (100% of the FY) are at 86% due to lower expenses for a number of line items including financial services, meeting expenses, and legal expenses.

Those needing additional explanation (i.e. either 10% over or under budget) are:

**Administration:** This category is 63% expended at 100% of the FY due primarily to lower financial services and administrative expenses.

**Meeting:** This category is 86% expended at 100% of the FY due primarily to lower meeting expenses.


**Legal:** This category is 18% expended at 100% of the FY due primarily to little need for regulatory legal support.

**Committees:** This category is 82% expended at 100% of the FY due to lower expenditures by the Committees.

**Collaboratives:** This category is 130% expended at 100% of the FY due primarily to Board approval of contributions to PPIC (\$5,000), NBWA (\$1,500), and NACWA (\$3,000) that were not budgeted in FY18.

**Technical Support:** This category is 82% expended at 100% of the FY. The primary driver of the variance in this category is the line item for the Optimization/Upgrade contract which shows a balance of \$283,094 still outstanding. The FY18 budgeted amount for this line item was high in an attempt to coordinate the BACWA tracking budget with the EBMUD Treasurer's Reports. The actual balance of the contract at the end of FY18 is \$25,652.20. This is reflected on the FY19 Budget.

**NOTE:** One Alternative Investment holding matured in May, 2018 in the amount of \$140,000. Another holding is expected to mature in October, 2018 in the amount of \$165,000. Based on information about interest rates and size of holdings obtained from the Investment division of EBMUD, staff recommends that the \$140,000 be kept in cash until October when the entire \$300,000 can be invested in a 3-year maturity.

				100% of Budget		
<u>BACWA FY18 BUDGET</u>	<u>Line Item Description</u>	<u>FY 2018 Budget</u>	<u>Actuals June 2018</u>	<u>Actual % of Budget June 2018</u>	<u>Variance</u>	<u>NOTES</u>
<b>REVENUES &amp; FUNDING</b>						
Dues	Principals' Contributions	\$487,095	\$487,095	100%	\$0	FY18: 2% increase.
	Associate & Affiliate Contributions	\$178,573	\$178,626	100%	\$53	FY18: 2% increase. Assoc: \$8,090; Affiliate: \$1,600 (\$197 over budget)
Fees	Clean Bay Collaborative	\$675,000	\$675,000	100%	\$0	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	\$29,999		\$29,999	FY18: Biosolids & Climate Research Passthrough
	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	\$2,550	100%	\$0	FY18: 2% increase (WOT only)
Interest Income	LAIF	\$12,000	\$27,227	227%	\$15,227	BACWA, Legal, & CBC Funds invested in LAIF
	Higher Yield Investments	\$10,000	\$10,345	103%	\$345	Alternative Investment Interest rec'd annually & at maturity
	<b>Total Revenue</b>	<b>\$2,205,469</b>	<b>\$2,251,101</b>	<b>102%</b>	<b>\$45,632</b>	
<b>BACWA FY18 BUDGET</b>						
<u>BACWA FY18 BUDGET</u>	<u>Line Item Description</u>	<u>FY 2018 Budget</u>	<u>Actuals June 2018</u>	<u>Actual % of Budget June 2018</u>	<u>Variance</u>	<u>NOTES</u>
<b>EXPENSES</b>						
<b>Labor</b>						
	Executive Director	\$195,998	\$195,998	100%	\$0	3.5% CPI (SF/Oakland/San Jose Metro Area Dec 2016)
	Assistant Executive Director	\$87,975	\$87,960	100%	-\$15	3.5% CPI (SF/Oakland/San Jose Metro Area Dec 2016)
	Regulatory Program Manager	\$116,438	\$109,638	94%	-\$6,800	3.5% CPI (SF/Oakland/San Jose Metro Area Dec 2016)
	<b>Total</b>	<b>\$400,411</b>	<b>\$393,596</b>	<b>98%</b>	<b>-\$6,815</b>	
<b>Administration</b>						
	EBMUD Financial Services	\$40,000	\$20,485	51%	-\$19,515	
	Auditing Services (Maze)	\$6,300	\$6,241	99%	-\$59	FY19: \$6,300 Accrued from FY18 to FY19, less \$1,870 paid for FY18 in July 2018.
	Administrative Expenses	\$7,500	\$5,852	78%	-\$1,648	Travel, Supplies, Parking, Mileage, Tolls, Misc.
	Insurance	\$4,500	\$4,278	95%	-\$222	
	<b>Total</b>	<b>\$58,300</b>	<b>\$36,856</b>	<b>63%</b>	<b>-\$21,444</b>	
<b>Meetings</b>						
	EB Meetings	\$2,500	\$1,871	75%	-\$629	Catering, Venue, other expenses
	Annual Meeting	\$10,000	\$7,745	77%	-\$2,255	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	\$5,263	105%	\$263	Holiday Lunch, Committee Chair Lunch, Staff Mtgs, Finance Comm, Summit Partners, CASA, NACWA, Toxicity WS
	<b>Total</b>	<b>\$23,500</b>	<b>\$20,202</b>	<b>86%</b>	<b>-\$3,298</b>	
<b>Communication</b>						
	Website Hosting (Computer Courage)	\$600	\$600	100%	\$0	
	File Storage (Box.net)	\$750	\$720	96%	-\$30	
	Website Development/Maintenance	\$1,200	\$2,919	243%	\$1,719	Domains, website changes, mobile layer
	IT Support (As Needed)	\$2,600	\$203	8%	-\$2,397	
	Other Commun (Software)	\$1,100	\$1,396	127%	\$296	MS Exchange, Survey Monkey, CrashPlanPro, Doodle, Carbonite
	<b>Total</b>	<b>\$6,250</b>	<b>\$5,838</b>	<b>93%</b>	<b>-\$412</b>	

FY 2018  
BACWA BUDGET

EXPENSES						
Legal						
	Regulatory Support	\$2,550	\$304	12%	-\$2,246	2% increase.
	Executive Board Support	\$2,050	\$510	25%	-\$1,540	2% increase.
	<b>Total</b>	<b>\$4,600</b>	<b>\$814</b>	<b>18%</b>	<b>-\$3,786</b>	
Committees						
	AIR	\$50,000	\$45,148	90%	-\$4,852	FY18: Agrmt with Carollo for \$50,000. RPM lunches will also be included, but not in budget.
	BAPPG	\$100,000	\$99,831	100%	-\$169	FY18: Includes CPSC @ \$10,000 and Pest. Reg Spt. @ \$15,000
	Biosolids Committee	\$3,100	\$646	21%	-\$2,454	Includes WEF Conf
	Collections System	\$1,000	\$0	0%	-\$1,000	
	InfoShare Groups	\$1,200	\$976	81%	-\$224	Funds for 2 workgroups (Asset Mgmt & O&M)
	Laboratory Committee	\$6,000	\$1,434	24%	-\$4,566	Includes Tech Conf & Training
	Permits Committee	\$1,000	\$462	46%	-\$538	
	Pretreatment	\$7,000	\$707	10%	-\$6,293	Includes Training & Factsheet
	Recycled Water Committee	\$1,000	\$0	0%	-\$1,000	
	Misc Committee Support	\$35,000	\$18,970	54%	-\$16,030	Carollo Rule 11-18 & BAPPG Environmental Training
	Manager's Roundtable	\$1,000	\$642	\$0	-\$358	New line item in FY18
	<b>Total</b>	<b>\$206,300</b>	<b>\$168,816</b>	<b>82%</b>	<b>-\$37,484</b>	
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	\$1,000	100%	\$0	Biennial in Even Years (Both 2014 and 2018 may be paid in FY18) Current is for 2014
	FWQC (Fred Andes)	\$7,500	\$7,500	100%	\$0	
	Stanford ERC (ReNUWit)	\$10,000	\$10,000	100%	\$0	
	CWCCG	\$0	\$0		\$0	Moved to CASA
	Misc	\$3,000	\$9,500	317%	\$6,500	FY18: Includes PPIC (\$5,000), NBWA (\$1,500), & NACWA (\$3,000)
	<b>Total</b>	<b>\$21,500</b>	<b>\$28,000</b>	<b>130%</b>	<b>\$6,500</b>	
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
		<b>\$0</b>	<b>\$23,100</b>		<b>\$0</b>	
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
	Opt/Upgrade/Annual Reporting Studies	\$372,298	\$89,204	24%	-\$283,094	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	\$41,255	83%	-\$8,745	FY18: (EOA ChlResidBPA & Biosolids & Climate Change Research)
	Risk Reduction	\$0	\$7,975		\$7,975	FY18: CIEA extended to 9/30/17 - \$9,853.69 remaining at 7/1/17
	<b>Total</b>	<b>\$1,482,298</b>	<b>\$1,218,434</b>	<b>82%</b>	<b>-\$263,864</b>	
	<b>TOTAL EXPENSES</b>	<b>\$2,203,159</b>	<b>\$1,895,656</b>	<b>86%</b>	<b>-\$307,503</b>	
	<b>NET INCOME BEFORE TRANSFERS</b>	<b>\$2,310</b>	<b>\$355,445</b>			
	<b>TRANSFERS FROM RESERVES</b>	<b>\$0</b>	<b>\$0</b>			
	<b>NET INCOME AFTER TRANSFERS</b>	<b>\$2,310</b>	<b>\$355,445</b>			

HECK ON BACWA LIQUIDITY THRESHHOLI

	FY19												BUDGET	EST BUDGET
	<u>July</u>	<u>Aug</u>	<u>Sept</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>June</u>	<u>Totals FY 18</u>	<u>Totals FY19</u>
<b>BEGINNING UNOBLIGATED FUND BALANCE</b>	\$3,301,246	\$3,223,379	\$3,693,782	\$3,084,185	\$3,554,589	\$4,024,992	\$3,947,125	\$3,869,258	\$3,791,391	\$3,713,524	\$3,635,657	\$3,557,790		
Average Monthly Revenues	\$0	\$548,270	\$548,270	\$548,271	\$548,270	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,205,469	\$2,198,581
Average Monthly Expenditures (Less Large one time Expenses)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	(\$77,867)	\$1,123,159	\$973,501
Less Large Expenditures	\$0	\$0	(\$1,080,000)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
<b>NET AVAILABLE FOR INVESTMENT</b>	\$3,223,379	\$3,693,782	\$3,084,185	\$3,554,589	\$4,024,992	\$3,947,125	\$3,869,258	\$3,791,391	\$3,713,524	\$3,635,657	\$3,557,790	\$3,479,923		
<b>NEW INVESTMENTS</b>														
Higher Yield (non-liquid)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$765,000)	(\$765,000)		
<b>MATURITIES/Called</b>														
Higher Yield (non-liquid)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$140,000	\$140,000		
<b>AVAILABLE LIQUID FUNDS</b>	\$2,318,379	\$2,788,782	\$2,179,185	\$2,649,589	\$3,119,992	\$3,042,125	\$2,964,258	\$2,886,391	\$2,808,524	\$2,730,657	\$2,932,790	\$2,854,923		
<b>TARGET AVAILABLE LIQUID FUNDS</b>	\$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

July 23, 2018

MEMO TO: Bay Area Clean Water Agencies Executive Board  
MEMO FROM: D. Scott Klein, Controller, East Bay Municipal Utility District  
SUBJECT: Twelfth 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 June 30, 2018** (twelve 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),
- Water/Wastewater Operator Training (WOT),
- Prop84 Bay Area Integrated Regional Water Mgmt (PRP84)



# BACWA Fund Report as of June 30, 2018

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	723,811	677,221	1,186,598	53,620	1,132,978
804	LEGAL RSRV	300,000	-	-	300,000	-	300,000
805	CBC	1,505,790	1,527,290	1,218,433	1,814,647	160,838	1,653,809
	<b>SUBTOTAL 1</b>	<b>2,945,799</b>	<b>2,251,101</b>	<b>1,895,654</b>	<b>3,301,246</b>	<b>214,458</b>	<b>3,086,788</b>
810	WOT	109,916	141,000	42,702	208,214	-	208,214
	<b>SUBTOTAL 2</b>	<b>109,916</b>	<b>141,000</b>	<b>42,702</b>	<b>208,214</b>	<b>-</b>	<b>208,214</b>
811	PRP84	117,907	2,112,849	2,112,849	117,907	-	117,907
	<b>SUBTOTAL 3</b>	<b>117,907</b>	<b>2,112,849</b>	<b>2,112,849</b>	<b>117,907</b>	<b>-</b>	<b>117,907</b>
	<b>GRAND TOTAL</b>	<b>3,173,622</b>	<b>4,504,951</b>	<b>4,051,205</b>	<b>3,627,367</b>	<b>214,458</b>	<b>3,412,909</b>

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  
**Outstanding Encumbrances:**  
BACWA: \$53,620 Expires as of 6/30/18  
CBC: \$160,838 carries forward into FY19

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	723,811	677,221	1,186,598	123,237	1,309,835	396,882	912,953	40%	-	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	1,527,290	1,218,433	1,814,647	-	1,814,647	-	1,349,647	60%	465,000	G64, ME2	priority # 2 for allocation	
	<b>SUBTOTAL 1</b>	<b>2,945,799</b>	<b>2,251,101</b>	<b>1,895,654</b>	<b>3,301,246</b>	<b>123,237</b>	<b>3,424,482</b>	<b>396,882</b>	<b>2,262,600</b>	<b>100%</b>	<b>765,000</b>			
810	WOT	109,916	141,000	42,702	208,214	-	208,214	208,214	-	0%	-		pass-through funds, no allocation	
	<b>SUBTOTAL 2</b>	<b>109,916</b>	<b>141,000</b>	<b>42,702</b>	<b>208,214</b>	<b>-</b>	<b>208,214</b>	<b>208,214</b>	<b>-</b>	<b>0%</b>	<b>-</b>			
811	PRP84	117,907	2,112,849	2,112,849	117,907	-	117,907	117,907	-	0%	-		pass-through funds, no allocation	
815	PRP50	-	-	-	-	-	-	-	-	0%	-		pass-through funds, no allocation	
	<b>SUBTOTAL 3</b>	<b>117,907</b>	<b>2,112,849</b>	<b>2,112,849</b>	<b>117,907</b>	<b>-</b>	<b>117,907</b>	<b>117,907</b>	<b>-</b>	<b>0%</b>	<b>-</b>			
	<b>GRAND TOTAL</b>	<b>3,173,622</b>	<b>4,504,951</b>	<b>4,051,205</b>	<b>3,627,367</b>	<b>123,237</b>	<b>3,750,603</b>	<b>723,003</b>	<b>2,262,600</b>		<b>765,000</b>			

verification

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

## Reconciliation to Trial Balance - accrual basis

Per Report above:

General	2,251,101
WOT	141,000
PROP	2,112,849
<b>subtotal</b>	<b>4,504,951</b>

## Billings-Pending Receipts

4686	Mem Contrib	1,500
4687	Transfer	-
4690	Assoc Contrib	-
4696	Other	55,000
4731	State Grant	-
4732	Grant Retention	182,094
<b>subtotal</b>		<b>238,594</b>

## Trial Balance Revenue Accounts

4411	Interest	(37,572)
4686	Mem Contrib	(1,304,595)
4687	Transfer	(2,550)
4690	Assoc Contrib	(178,626)
4696	Other	(925,258)
4731	State Grant	(2,065,439)
4732	Grant Retention	(229,504)
subtotal		<u>(4,743,544)</u>
Difference		<u>(0)</u>

## BACWA Revenue Report as of June 30, 2018

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	-	-	-	-	178,626	-	178,626	(53)
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	2,550	-
800	BACWA	1011117	BDO- Interest Income from LAIF	12,000	-	-	-	-	-	11,690	11,690	310
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	-	-	-	3,600	-	-	3,600	6,400
800	BACWA	1014550	BDO-Other Receipts (PHARM)	-	-	-	-	-	-	-	-	-
800	BACWA	1014514	GBS-Meeting Support-Annual	-	-	-	-	-	-	-	-	-
800	BACWA	1015005	Biosolids&ClimateRsCh-OtrRcpts	-	-	29,999	-	-	29,999	-	29,999	(29,999)
<b>BACWA TOTAL</b>				<b>700,469</b>	-	<b>29,999</b>	-	<b>3,600</b>	<b>705,971</b>	<b>14,240</b>	<b>723,811</b>	<b>(23,342)</b>
805	WQA-CBC	1011099	BDO Member Contributions	675,000	-	-	-	-	675,000	-	675,000	-
805	WQA-CBC	1011108	BDO Other Receipts	800,000	-	-	-	-	800,008	-	800,008	(8)
805	WQA-CBC	1011117	BDO- Interest Income from LAIF	-	-	-	-	-	-	15,537	15,537	(15,537)
805	WQA-CBC	1014511	BDO-Alternative Investment Inc	-	-	-	-	6,745	-	-	6,745	(6,745)
805	WQA-CBC	1014528	BDO-Voluntary Nutrient Contrib	30,000	-	-	-	-	30,000	-	30,000	-
<b>WQA CBC TOTAL</b>				<b>1,505,000</b>	-	-	-	<b>6,745</b>	<b>1,505,008</b>	<b>15,537</b>	<b>1,527,290</b>	<b>(22,291)</b>
<b>TOTAL</b>				<b>2,205,469</b>	-	<b>29,999</b>	-	<b>10,345</b>	<b>2,210,979</b>	<b>29,777</b>	<b>2,251,101</b>	<b>(45,633)</b>

	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	-	-	-	-	-	141,000	-	141,000	(141,000)
810	WOT	1011108	BDO Other Receipts	-	-	-	-	-	-	-	-	-
810	WOT	1011117	BDO- Interest Income from LAIF	-	-	-	-	-	-	-	-	-
<b>WOT TOTAL</b>				-	-	-	-	-	<b>141,000</b>	-	<b>141,000</b>	<b>(141,000)</b>

	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			-	-	-	-	11	2,112,838	0	2,112,849	(2,112,849)
<b>PROP TOTAL</b>				-	-	-	-	11	<b>2,112,838</b>	<b>0</b>	<b>2,112,849</b>	<b>(2,112,849)</b>

<b>Grand Total</b>				<b>2,205,469</b>	-	<b>29,999</b>	-	<b>10,356</b>	<b>4,464,817</b>	<b>29,777</b>	<b>4,504,951</b>	<b>(2,299,483)</b>
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## BACWA Expense Detail Report as of June 30, 2018

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	-	-	-	195,998	-	-	195,998	-
AS-Assistant Executive Directo	1011124	87,975	(6,525)	6,525	-	-	15	87,960	-	-	87,975	-
AS-Regulatory Program Manager	1011149	116,438	(10,014)	10,014	-	-	6,800	109,638	-	-	116,438	-
ADMINISTRATION												
AS-EBMUD Financial Services	1011125	40,000	(6,446)	6,446	-	-	19,515	20,485	-	-	40,000	-
AS-Audit Services	1014512	6,300	-	-	-	6,300	6,300	1,842	4,299	100	6,241	59
AS-BACWA Admin Expense	1011118	7,500	-	-	794	-	-	-	5,852	-	5,852	1,648
AS-Insurance	1011126	4,500	-	-	-	-	-	-	4,278	-	4,278	222
MEETINGS												
GBS-Meeting Support-Exec Bd	1014513	2,500	-	-	229	-	503	497	1,375	-	2,375	125
GBS-Meeting Support-Annual	1014514	10,000	-	-	-	-	-	-	7,845	(100)	7,745	2,255
GBS-Meeting Support-Pardee	1014515	6,000	-	-	-	-	-	-	5,323	-	5,323	677
GBS-Meeting Support-Misc	1014516	5,000	-	-	387	-	-	-	5,263	-	5,263	(263)
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	-	-	-	-	2,398	203	-	-	2,600	-
CAR-BACWA IT Software	1014520	1,100	-	-	79	-	-	-	1,396	-	1,396	(296)
CAR-BACWA Website Dev/Maint	1011116	600	-	-	-	-	-	-	2,919	-	2,919	(2,319)
LEGAL												
LS-Regulatory Support	1011107	2,550	-	-	-	-	2,246	304	-	-	2,550	-
LS-Executive Board Support	1011110	2,050	-	-	-	-	1,540	510	-	-	2,050	-
COMMITTEES												
AIR-Air Issues&Regulation Grp	1014253	50,000	(17,981)	17,981	214	-	3,289	44,255	894	-	48,437	1,563
BC-BAPPG	1011147	100,000	(6,528)	6,528	508	-	68	78,389	21,442	-	99,899	101
BC-Biosolids Committee	1011101	3,100	-	-	-	-	-	-	646	-	646	2,454
BC-Collections System	1011097	1,000	-	-	-	-	-	-	-	-	-	1,000
BC-InfoShare Groups	1011102	1,200	-	-	-	-	-	-	976	-	976	224
BC-Laboratory Committee	1011103	6,000	-	-	-	-	-	-	1,434	-	1,434	4,566
BC-Permit Committee	1011098	1,000	-	-	247	-	-	-	462	-	462	538
BC-Pretreatment Committee	1011146	7,000	-	-	-	-	-	-	707	-	707	6,293
BC-Water Recycling Committee	1011100	1,000	-	-	-	-	-	-	-	-	-	1,000
BC-Managers Roundtable	1014444	1,000	-	-	-	-	-	-	642	-	642	358
BC-Miscellaneous Committee Sup	1011104	35,000	(2,894)	2,894	1,311	-	10,947	17,659	1,311	-	29,917	5,083
COLLABORATIVES												
CAS-Arleen Navaret Award	1012201	1,000	-	-	-	-	-	-	1,000	-	1,000	-
CAS-FWQC	1012202	7,500	-	-	-	-	-	-	7,500	-	7,500	-
CAS-Stanford ERC	1011969	10,000	-	-	-	-	-	-	10,000	-	10,000	-
CAS-CWCCG	1011148	-	-	-	-	-	-	-	-	-	-	-
CAS-PSSEP	1011112	-	-	-	-	-	-	-	-	-	-	-
CAS-Misc Collaborative Sup	1014521	3,000	-	-	3,000	-	-	-	9,500	-	9,500	(6,500)
BDO-Contract Expenses (PHARM)												
BDO-Contract Expenses (PHARM)	1014551	-	-	-	-	-	-	23,100	-	-	23,100	(23,100)
BACWA TOTAL		720,861	(66,720)	66,720	6,770	6,300	53,620	580,839	96,382	-	724,542	(3,681)
TECH SUPPORT												
WQA-CE Addl Work Under Permit	1014254	100,000	-	-	-	-	57,000	-	-	-	57,000	43,000
WQA-CE-Technical Support	1011127	50,000	(2,368)	2,368	9,999	-	78,186	21,314	19,941	-	119,441	(69,441)
WQA-CE CASA Chem of Concern	1011128	-	-	-	-	-	-	-	-	-	-	-
WQA-CE Opt-Upgrade Studies	1014255	372,298	(62,900)	62,900	-	-	25,652	89,204	-	-	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	(65,268)	65,268	9,999	-	160,838	110,518	1,107,915	-	1,379,272	103,026
GRAND TOTAL		2,203,159	(131,988)	131,988	16,769	6,300	214,458	691,356	1,204,297	-	2,103,813	99,346
							TOTAL	1,895,653				
WOT												
Administrative Support	1011142	-	-	-	-	-	-	-	-	2,550	2,550	(2,550)
BDO Contract Expenses	1011143	-	-	-	-	-	-	-	40,152	-	40,152	(40,152)
		-	-	-	-	-	-	-	40,152	2,550	42,702	(42,702)
Page 19 of 130												
GRAND TOTAL (BDO, CBC, WOT)		2,203,159	(131,988)	131,988	16,769	6,300	214,458	691,356	1,244,449	2,550	2,146,515	56,644

## Proposition 84 Revenue Report as of June 30, 2018

DEPTID	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE				UNOBLIGATED
					Admin & General	Contributons	Interest, Transfers, Ot hers	Admin & General	Contributons	Interest, Transfers, O thers	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	1011707	WQ Improve Flood Mgmt & EP	-	-	-	-	-	6,552	(6,552)	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	1011911	Stream Restoration w/Schools i	-	-	-	-	-	7,857	(7,857)	-	-
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	1012218	Stream Restoration in North BD	-	-	-	-	11	10,775	9,449	20,235	(20,235)
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	-	-	-	-	0	58,473	1,127	59,599	(59,599)
811	Prop84BayAreaIntegRegnlWtrMgmt	1012223	Restoration Guidance, San FC	-	-	-	-	-	7,308	-	7,308	(7,308)
811	Prop84BayAreaIntegRegnlWtrMgmt	1012224	SF Estuary Steelhead MP	-	-	-	-	(0)	47,700	3,833	51,533	(51,533)
811	Prop84BayAreaIntegRegnlWtrMgmt	1012225	Watershed Program Admnstrtn	-	-	-	-	-	10,528	-	10,528	(10,528)
<b>PROP 84 TOTAL</b>				-	-	-	-	<b>11</b>	<b>2,112,838</b>	<b>0</b>	<b>2,112,849</b>	<b>(2,112,849)</b>

## Proposition 84 Expense Detail Report as of June 30, 2018

DEPTID	DEPARTMENT	EXPENSE TYPE	AMENDED BUDGET	CURRENT PERIOD				YEAR TO DATE				OBLIGATED	UNOBLIGATED
				ENC	PV	DA	JV	ENC	PV	DA	JV		
811	Prop84BayAreaIntegRegnlWtrMgmt	BDO Fund Transfers	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	Administrative Support	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	BDO Contract Expenses	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	Regional Green Infrastructure	-	-	-	-	-	-	-	157,589	-	157,589	(157,589)
811	Prop84BayAreaIntegRegnlWtrMgmt	Hacienda Ave Green St Improvem	-	-	-	-	-	-	-	1,746,693	-	1,746,693	(1,746,693)
811	Prop84BayAreaIntegRegnlWtrMgmt	Water Efficient LRP	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	Bay Friendly Landscape TP	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	Weather Based Irrigation Cntrl	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	High Efficiency Toilet & UR	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	High Efficiency Toilet & UI	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	High Efficiency Clothes Washrs	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	Napa Co. Rainwater HP	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	Conservation Program Admin	-	-	-	-	-	-	-	-	-	-	-
811	Prop84BayAreaIntegRegnlWtrMgmt	Flood Infrastructure Mapping T	-	-	-	-	-	-	-	30,239	-	30,239	(30,239)
811	Prop84BayAreaIntegRegnlWtrMgmt	Stormwater Improvements & PBP	-	-	-	-	-	-	-	8,010	-	8,010	(8,010)
811	Prop84BayAreaIntegRegnlWtrMgmt	Richmond Shoreline & San PFP	-	-	-	-	-	-	-	21,114	-	21,114	(21,114)
811	Prop84BayAreaIntegRegnlWtrMgmt	Pescadero Integrated FRAH	-	-	-	-	-	-	-	59,599	-	59,599	(59,599)
811	Prop84BayAreaIntegRegnlWtrMgmt	Restoration Guidance, San FC	-	-	-	-	-	-	-	7,308	-	7,308	(7,308)
811	Prop84BayAreaIntegRegnlWtrMgmt	SF Estuary Steelhead MP	-	-	-	-	-	-	-	51,533	-	51,533	(51,533)
811	Prop84BayAreaIntegRegnlWtrMgmt	Stream Restoration in North BD	-	-	-	-	-	-	-	20,235	-	20,235	(20,235)
811	Prop84BayAreaIntegRegnlWtrMgmt	Watershed Program Admnstrtn	-	-	-	-	-	-	-	10,528	-	10,528	(10,528)
<b>PRP84 TOTAL</b>			-	-	-	-	-	-	-	<b>2,112,849</b>	-	<b>2,112,849</b>	<b>(2,112,849)</b>



## EXECUTIVE BOARD AUTHORIZATION REQUEST

AGENDA NO.: 3

FILE NO.: 19-17

MEETING DATE: August 17, 2018

**TITLE: Request for BACWA Executive Board to Review and Confirm the Current BACWA Conflict of Interest Code**

☐ RECEIPT      ☐ DISCUSSION      ☐ RESOLUTION      ☒ APPROVAL

### RECOMMENDED ACTION

Authorize Staff to file a 2018 biennial statement by the October 1, 2018 deadline that the BACWA Conflict of Interest Code has been reviewed by the Board and no amendment is required.

### SUMMARY

The Political Reform Act (Act) prohibits a public official from using his or her official position to influence a governmental decision in which he or she has a financial interest. Every state and local agency must adopt a conflict of interest code that identifies all officials and employees within the agency who make governmental decisions based on the positions they hold. The individuals in the designated positions must disclose their financial interests as specified in the agency's conflict of interest code. To help identify potential conflicts of interest, the law requires public officials and employees in designated positions in a conflict of interest code to report their financial interests on a form called Statement of Economic Interests (Form 700). The conflict of interest codes and the Form 700s are fundamental tools in ensuring that officials are acting in the public's best interest and not their own.

Over time, the structure of an agency will change because employees' duties shift, positions are renamed or eliminated, and the organizational structure is modified. When an agency makes these types of changes, the conflict of interest code must be amended accordingly. To ensure the codes remain current and accurate, a multi-county agency must review its code biennially during even-numbered years. When determining whether to amend, an agency should carefully review its current conflict of interest code and consider the following:

- Is the current code more than five years old?
- Have there been any substantial changes to the agency's organizational structure since the current code was adopted?
- Have any positions been eliminated or renamed since the current code was adopted?
- Have any new positions been added since the current code was adopted?
- Have there been any substantial changes in duties or responsibilities for any positions since the current code was adopted?
- If an agency answers "yes" to any of the above questions, most likely its conflict of interest code will need to be amended.

After reviewing the current Conflict of Interest Code, staff recommends no changes.

## **FISCAL IMPACT**

There is no fiscal impact.

## **ALTERNATIVES**

1. Do not approve the filing. This alternative is not recommended since BACWA would then be in violation of the Act.

### **Attachments:**

BACWA Conflict of Interest Code  
BACWA Consultants Requirements  
2018 Biennial Notice

Approved: \_\_\_\_\_  
Lori Schectel, Chair,  
BACWA Executive Board

Date: 8/17/18

**RESOLUTION NO. 8004-16**  
**RESOLUTION OF THE EXECUTIVE BOARD**  
**OF THE BAY AREA CLEAN WATER AGENCIES**  
**APPROVING CONFLICT OF INTEREST CODE**

WHEREAS, the provisions of the Political Reform Act require California public agencies to adopt a conflict of interest code (Government Code Section 87300); and

WHEREAS, the governing body (the "Board") of the Bay Area Clean Water Agencies ("BACWA") wishes to adopt such a code (the "Code") so as to conform with the Political Reform Act and the associated regulations; and

WHEREAS, the Fair Political Practices Commission has determined the Political Reform Act requires the designation of positions in conflict of interest codes that may foreseeably have a material affect on financial interests within the BACWA boundaries; and,

WHEREAS, the Fair Political Practices Commission has determined that adopting a conflict of interest code is an action that requires a formal notice and comment period; and,

WHEREAS, BACWA has drafted a notice of intent to adopt a conflict of interest code; and,

WHEREAS, BACWA has scheduled a 45 day notice and comment period, beginning on March 9, 2001 and culminating on April 24, 2001, to accept written comments from the public and encourage public involvement in the decision-making process; and,

WHEREAS, no public hearing was requested in any comment received and BACWA has accepted and considered comments from interested persons throughout the comment period; and

WHEREAS, the Board has reviewed the Code attached hereto as Attachment A; and

WHEREAS, the Code requires the Board to designate a filing officer for BACWA.

NOW, THEREFORE, BE IT RESOLVED as follows:

1. The Board hereby adopts and approves the Code as BACWA's conflict of interest code, conditioned only upon the approval of the Code by the Fair Political Practices Commission.
2. The Board hereby authorizes and directs BACWA's Executive Director to submit the Code, together with a copy of this resolution, to the Fair Political Practices Commission for approval.



3. Upon approval of the Code by the Fair Political Practices Commission, BACWA's Executive Director is appointed as the designated filing officer for BACWA's conflict of interest code.
4. The Board hereby authorizes each of the officers of BACWA to execute all documents and take any other action necessary or advisable to carry out the purposes of this resolution.

**CERTIFICATION**

The foregoing Resolution was adopted by the Executive Board of Bay Area Clean Water Agencies at its regularly scheduled meeting held on April 26, 2001.

  
\_\_\_\_\_  
DONALD BIRRER,  
Executive Director

## ATTACHMENT A

### BAY AREA CLEAN WATER AGENCIES CONFLICT OF INTEREST CODE

The Political Reform Act (Government Code Section 81000 et seq.) requires state and local government agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Board has adopted a regulation, 2 California Code of Regulations Section 18730, which contains the terms of a standard conflict of interest code, which can be incorporated by reference, and which may be amended by the Fair Political Practices Board to conform to amendments in the Political Reform Act after public notice and hearings. Therefore, the terms of 2 California Code of Regulations Section 18730 and any amendments to it duly adopted by the Fair Political Practices Board, along with the attached Appendix in which officials and employees are designated and disclosure categories are set forth, are hereby incorporated by reference and constitute the conflict of interest code of the Bay Area Clean Water Agencies.

Designated employees shall file statements of economic interests with the Executive Director of the Bay Area Clean Water Agencies who shall make the statements available for public inspection and reproduction. (Gov.Code Section 81008.)

APPENDIX A  
BAY AREA CLEAN WATER AGENCIES  
CONFLICT OF INTEREST CODE

PART I  
DESIGNATED POSITIONS

		Disclosure <u>Categories to Report</u>
1.	General Counsel	All
2.	Consultants*	All
3.	Members and Alternates of the Executive Board	All
4.	Executive Director	All

\*Consultants shall be included in the list of designated employees. However, the Executive Director may determine in writing that a particular consultant, although in a "designated position," is hired to perform a range of duties that are limited in scope and thus is not required to fully comply with the disclosure requirements described in this section. Such written determination shall include a description of the consultant's duties and, based upon that description, a statement of the extent of disclosure requirements. The Executive Director's determination is a public record and shall be retained for public inspection in the same manner and location as the conflict of interest code.

It has been determined that the positions listed below manage public investments and will file a Statement of Economic Interest pursuant to Government Code § 87200: Treasurer.

**APPENDIX B**  
**BAY AREA CLEAN WATER AGENCIES**  
**CONFLICT OF INTEREST CODE**

Investments and business positions in business entities, and income from sources which provide facilities, services, supplies, or equipment of the type utilized by or within BACWA, including, but not limited to:

1. Office equipment and supplies
2. Safety equipment and facilities
3. Engineering services
4. Printing or reproduction services
5. Soil tests, compaction and grading
6. Audit and other accounting services
7. Environmental analysis
8. Geology services
9. Chemical or biological laboratory or field survey or testing services

This is the last page of the conflict of interest code for the **Bay Area Clean Water Agencies**.



**CERTIFICATION OF FPPC APPROVAL**

Pursuant to Government Code Section 87303, the conflict of interest code for the Bay Area Clean Water Agencies was approved on March 19, 2002. The code will be effective on April 18, 2002.

A handwritten signature in dark ink, reading 'Mark Krausse', written over a horizontal line.

Mark Krausse  
Executive Director  
Fair Political Practices Commission

(Regulations of the Fair Political Practices Commission, Title 2, Division 6 of the California Code of Regulations.)

### **18730. Provisions of Conflict of Interest Codes.**

(a) Incorporation by reference of the terms of this regulation along with the designation of employees and the formulation of disclosure categories in the Appendix referred to below constitute the adoption and promulgation of a conflict of interest code within the meaning of Government Code section 87300 or the amendment of a conflict of interest code within the meaning of Government Code section 87306 if the terms of this regulation are substituted for terms of a conflict of interest code already in effect. A code so amended or adopted and promulgated requires the reporting of reportable items in a manner substantially equivalent to the requirements of article 2 of chapter 7 of the Political Reform Act, Government Code sections 81000, *et seq.* The requirements of a conflict of interest code are in addition to other requirements of the Political Reform Act, such as the general prohibition against conflicts of interest contained in Government Code section 87100, and to other state or local laws pertaining to conflicts of interest.

(b) The terms of a conflict of interest code amended or adopted and promulgated pursuant to this regulation are as follows:

(1) Section 1. Definitions.

The definitions contained in the Political Reform Act of 1974, regulations of the Fair Political Practices Commission (2 Cal. Code of Regs. sections 18100, *et seq.*), and any amendments to the Act or regulations, are incorporated by reference into this conflict of interest code.

(2) Section 2. Designated Employees.

The persons holding positions listed in the Appendix are designated employees. It has been determined that these persons make or participate in the making of decisions which may foreseeably have a material effect on financial interests.

(3) Section 3. Disclosure Categories.

This code does not establish any disclosure obligation for those designated employees who are also specified in Government Code section 87200 if they are designated in this code in that same capacity or if the geographical jurisdiction of this agency is the same as or is wholly included within the jurisdiction in which those persons must report their financial interests pursuant to article 2 of chapter 7 of the Political Reform Act, Government Code sections 87200, *et seq.*

In addition, this code does not establish any disclosure obligation for any designated employees who are designated in a conflict of interest code for another agency, if all of the following apply:

(A) The geographical jurisdiction of this agency is the same as or is wholly included within the jurisdiction of the other agency;

(B) The disclosure assigned in the code of the other agency is the same as that required under article 2 of chapter 7 of the Political Reform Act, Government Code section 87200; and

receive any form of payment as a result of his or her appointment. Such persons shall not file either an assuming or leaving office statement.

(A) Any person who resigns a position within 30 days of the date of a notice from the filing officer shall do both of the following:

(1) File a written resignation with the appointing power; and

(2) File a written statement with the filing officer declaring under penalty of perjury that during the period between appointment and resignation he or she did not make, participate in the making, or use the position to influence any decision of the agency or receive, or become entitled to receive, any form of payment by virtue of being appointed to the position.

(6) Section 6. Contents of and Period Covered by Statements of Economic Interests.

(A) Contents of Initial Statements.

Initial statements shall disclose any reportable investments, interests in real property and business positions held on the effective date of the code and income received during the 12 months prior to the effective date of the code.

(B) Contents of Assuming Office Statements.

Assuming office statements shall disclose any reportable investments, interests in real property and business positions held on the date of assuming office or, if subject to State Senate confirmation or appointment, on the date of nomination, and income received during the 12 months prior to the date of assuming office or the date of being appointed or nominated, respectively.

(C) Contents of Annual Statements. Annual statements shall disclose any reportable investments, interests in real property, income and business positions held or received during the previous calendar year provided, however, that the period covered by an employee's first annual statement shall begin on the effective date of the code or the date of assuming office whichever is later.

(D) Contents of Leaving Office Statements.

Leaving office statements shall disclose reportable investments, interests in real property, income and business positions held or received during the period between the closing date of the last statement filed and the date of leaving office.

(7) Section 7. Manner of Reporting.

Statements of economic interests shall be made on forms prescribed by the Fair Political Practices Commission and supplied by the agency, and shall contain the following information:

(A) Investments and Real Property Disclosure.

When an investment or an interest in real property<sup>3</sup> is required to be reported,<sup>4</sup> the

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<sup>3</sup> For the purpose of disclosure only (not disqualification), an interest in real property does not include the principal residence of the filer.

<sup>4</sup> Investments and interests in real property which have a fair market value of less than \$2,000 are not investments and interests in real property within the meaning of the Political Reform Act. However, investments or interests in real property of an individual include those held by the individual's spouse and dependent children as well as a pro rata share of any investment or interest in real property of any business entity or trust in which the individual, spouse and dependent children own, in the aggregate, a direct, indirect or beneficial interest of 10

designated employee shall list the name and address of each business entity in which he or she is a director, officer, partner, trustee, employee, or in which he or she holds any position of management, a description of the business activity in which the business entity is engaged, and the designated employee's position with the business entity.

(E) Acquisition or Disposal During Reporting Period. In the case of an annual or leaving office statement, if an investment or an interest in real property was partially or wholly acquired or disposed of during the period covered by the statement, the statement shall contain the date of acquisition or disposal.

(8) Section 8. Prohibition on Receipt of Honoraria.

(A) No member of a state board or commission, and no designated employee of a state or local government agency, shall accept any honorarium from any source, if the member or employee would be required to report the receipt of income or gifts from that source on his or her statement of economic interests. This section shall not apply to any part-time member of the governing board of any public institution of higher education, unless the member is also an elected official.

Subdivisions (a), (b), and (c) of Government Code section 89501 shall apply to the prohibitions in this section.

This section shall not limit or prohibit payments, advances, or reimbursements for travel and related lodging and subsistence authorized by Government Code section 89506.

(8.1) Section 8.1 Prohibition on Receipt of Gifts in Excess of \$320.

(A) No member of a state board or commission, and no designated employee of a state or local government agency, shall accept gifts with a total value of more than \$320 in a calendar year from any single source, if the member or employee would be required to report the receipt of income or gifts from that source on his or her statement of economic interests. This section shall not apply to any part-time member of the governing board of any public institution of higher education, unless the member is also an elected official.

Subdivisions (e), (f), and (g) of Government Code section 89503 shall apply to the prohibitions in this section.

(8.2) Section 8.2. Loans to Public Officials.

(A) No elected officer of a state or local government agency shall, from the date of his or her election to office through the date that he or she vacates office, receive a personal loan from any officer, employee, member, or consultant of the state or local government agency in which the elected officer holds office or over which the elected officer's agency has direction and control.

(B) No public official who is exempt from the state civil service system pursuant to subdivisions (c), (d), (e), (f), and (g) of Section 4 of Article VII of the Constitution shall, while he or she holds office, receive a personal loan from any officer, employee, member, or consultant of the state or local government agency in which the public official holds office or over which the public official's agency has direction and control. This subdivision shall not apply to loans made to a public official whose duties are solely secretarial, clerical, or manual.

(C) No elected officer of a state or local government agency shall, from the date of his or her election to office through the date that he or she vacates office, receive a personal loan from



of the Government Code.

(8.4) Section 8.4. Personal Loans.

(A) Except as set forth in subdivision (B), a personal loan received by any designated employee shall become a gift to the designated employee for the purposes of this section in the following circumstances:

1. If the loan has a defined date or dates for repayment, when the statute of limitations for filing an action for default has expired.
2. If the loan has no defined date or dates for repayment, when one year has elapsed from the later of the following:
  - a. The date the loan was made.
  - b. The date the last payment of one hundred dollars (\$100) or more was made on the loan.
  - c. The date upon which the debtor has made payments on the loan aggregating to less than two hundred fifty dollars (\$250) during the previous 12 months.

(B) This section shall not apply to the following types of loans:

1. A loan made to the campaign committee of an elected officer or a candidate for elective office.
2. A loan that would otherwise not be a gift as defined in this title.
3. A loan that would otherwise be a gift as set forth under subdivision (A), but on which the creditor has taken reasonable action to collect the balance due.
4. A loan that would otherwise be a gift as set forth under subdivision (A), but on which the creditor, based on reasonable business considerations, has not undertaken collection action. Except in a criminal action, a creditor who claims that a loan is not a gift on the basis of this paragraph has the burden of proving that the decision for not taking collection action was based on reasonable business considerations.
5. A loan made to a debtor who has filed for bankruptcy and the loan is ultimately discharged in bankruptcy.

(C) Nothing in this section shall exempt any person from any other provisions of Title 9 of the Government Code.

(9) Section 9. Disqualification.

No designated employee shall make, participate in making, or in any way attempt to use his or her official position to influence the making of any governmental decision which he or she knows or has reason to know will have a reasonably foreseeable material financial effect, distinguishable from its effect on the public generally, on the official or a member of his or her immediate family or on:

(A) Any business entity in which the designated employee has a direct or indirect investment worth two thousand dollars (\$2,000) or more;

(B) Any real property in which the designated employee has a direct or indirect interest worth two thousand dollars (\$2,000) or more;

(C) Any source of income, other than gifts and other than loans by a commercial lending institution in the regular course of business on terms available to the public without regard to official status, aggregating five hundred dollars (\$500) or more in value provided to, received by

02/1/01

7

18730

87300-87302, 89501, 89502 and 89503, Government Code.

**EXECUTIVE DIRECTOR'S WRITTEN DETERMINATION REGARDING  
THE FILING OF STATEMENTS OF ECONOMIC INTEREST BY  
PARTICULAR CONSULTANTS RETAINED BY BACWA**

The undersigned Executive Director of Bay Area Clean Water Agencies ("BACWA") hereby finds and determines that: (i) those Consultants retained by BACWA by contract to perform scientific, environmental or design studies and to report to the BACWA Executive Board or to a BACWA committee and/or to testify before State or Federal regulatory bodies, or to perform personnel training for BACWA or its Member Agencies, and (ii) those attorneys retained by BACWA not as General Counsel but, rather, to represent BACWA with regard to specific regulatory issues, perform a range of duties which are so limited in scope that such Consultants are not required to comply with the disclosure requirements described in BACWA's Conflict of Interest Code.

  
\_\_\_\_\_  
Amy Chastain, Executive Director

# 2018 Multi-County Agency Biennial Notice

Name of Agency: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Phone No. \_\_\_\_\_

Email: \_\_\_\_\_ Alternate Email: \_\_\_\_\_

Counties within Jurisdiction, or for Charter Schools, Counties in which the School is Chartered:  
(if more space is needed, include an attachment):  
\_\_\_\_\_

No. of Employees\* \_\_\_\_\_ No. of Form 700 Filers\* \_\_\_\_\_

*\*Including board and committee members*

**Accurate disclosure is essential to monitor whether officials have conflicts of interest and to help ensure public trust in government. The biennial review examines current programs to ensure that the agency's code includes disclosure by those agency officials who make or participate in making governmental decisions.**

Please identify which statement accurately describes your agency's status.

- ☐ This agency has reviewed its conflict of interest code. The current code designates all positions which make or participate in making governmental decisions. The designated positions are assigned accurate disclosure categories that relate to the job duties of the respective positions. The code incorporates FPPC regulation 18730 so that all relevant Government Code Sections are referenced.
- ☐ This agency has reviewed its conflict of interest code and has determined that an amendment is necessary. An amendment may include the following:
- New positions which involve the making or participating in the making of decisions which may foreseeably have a material impact on a financial interest
  - Current designated positions need renaming or deletion
  - Statutorily required provisions of the code need to be addressed
  - Disclosure categories need revision

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## Verification (to be completed if no amendment is required)

*This multi-county agency's code accurately designates all positions that make or participate in the making of governmental decisions. The disclosure assigned to those positions accurately requires that all investments, business positions, interests in real property, and sources of income that may foreseeably be affected materially by the decisions made by those holding designated positions are reported. The code includes all other provisions required by Government Code Section 87302.*

\_\_\_\_\_  
*Signature of Chief Executive Officer*

\_\_\_\_\_  
*Date*

All multi-county agencies must complete and return this notice, including those agencies whose codes are currently under review. Please return this notice no later than **October 1, 2018** to the FPPC at [biennialnotice@fppc.ca.gov](mailto:biennialnotice@fppc.ca.gov) or 1102 Q Street, Suite 3000, Sacramento, CA 95811.



## BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 4  
FILE NO.: 19-18  
MEETING DATE: August 17, 2018

### **TITLE: Request for BACWA Executive Board to Approve a Commitment of Funds to CASA for a Research Project on Beneficial Reuse of Biosolids on Fire Ravaged Lands**

☐ RECEIPT      ☐ DISCUSSION      ☐ RESOLUTION      ☒ APPROVAL

#### **RECOMMENDED ACTION**

Approve a \$10,000 payment to CASA to provide additional funds for a research project on beneficial reuse of biosolids on fire ravaged lands contingent on CASA securing the needed funding to undertake the project.

#### **SUMMARY**

Reclamation of fire ravaged land and the reduction of the potential severity of future fires is an extremely high priority for areas prone to such devastation. Much of Western North America including all drought and post drought-stricken areas are at increased risk for devastating fires. The Water Research Foundation (WRF) has accepted a targeted collaborative research project, led by CASA, which would evaluate and quantify the benefits of using biosolids to reclaim fire ravaged land. The successful use of biosolids for this purpose would be of critical importance for BACWA members as it will create another beneficial use opportunity for their biosolids, while simultaneously addressing a major safety and economic problem for society at large. There is a need to conduct further research to quantify and understand the benefits of biosolids for these purposes to gain widespread acceptance by regulators and the public for their use to mitigate fire ravaged and prone areas.

To date, CASA has collected \$72,500 in funds which are being leveraged to seek a grant from WRF. BACWA's Biosolids Committee is requesting that BACWA provide \$10,000 to increase the amount of CASA's matching funds available and thereby strengthen the project proposal under consideration by WRF. CASA has requested \$75,000 from WRF as an unsolicited research proposal. In addition, CASA has partnered with the Sanitation Districts of Los Angeles County to seek \$72,500 from WRF under the WRF's Subscriber Priority Program. CASA needed to partner with LASCD since CASA itself is not a WRF subscriber. CASA does not expect to receive both grants but by submitting grant requests under the two WRF programs CASA is optimistic that one of the grants will be awarded. CASA is seeking a total of \$202,500 needed to undertake the research with \$75k coming from the WRF grant and \$127,500 in matching funds. The BACWA commitment of \$10k is contingent on the needed funds being collected and the project moving forward.

#### **FISCAL IMPACT**

The BACWA FY2019 Budget and Workplan includes \$45,000 for Miscellaneous Committee Support, none of which has been spent. This contribution would utilize \$10,000 of the total Miscellaneous Committee Support budget, leaving \$35,000 for other committee needs.

## ALTERNATIVES

Do not provide funding for this project. This is not a recommended alternative because our Region is at a juncture where wildfires are becoming larger and more frequent, and biosolids reuse and disposal options are being limited by regulation. This project addresses a nexus with multiple benefits.

*Attachments:*

*WRF Unsolicited Research Program Preproposal*

Approved: \_\_\_\_\_

Lori Schectel

Chair, BACWA Executive Board

Date: 8/17/18



WRF Use Only	
Date Received	I.D.#

## 2018 UNSOLICITED Research Program Pre-Proposal Cover Sheet

### PROPOSER INFORMATION

Proposer Name: Gregory Kester  
Proposer's Position Title: Director of Renewable Resource Programs  
Organization: California Association of Sanitation Agencies  
Mailing Address: 1225 8<sup>th</sup> Street  
Mailing Address (cont.): Suite 595  
City, State, Zip & Country: Sacramento, CA 95814 USA  
Phone and Fax: 916-844-5262  
E-mail: gkester@casaweb.org

### TYPE OF ORGANIZATION

☐ Public ☐ For Profit ☐ State  
☒ Private Non-Profit ☐ Federal ☐ Local Government

### DISADVANTAGED BUSINESS ENTERPRISE (DBE)

☐ Yes Percentage of WRF cost (DBE goal is a minimum of 15% of WRF cost) \_\_\_\_\_  
☒ No Justification for no DBE, see page \_\_\_\_\_

### PROJECT INFORMATION

RFP or Pre-Proposal Identifier: **2018Unsolicited Research Program**

Title: \_\_\_\_\_ Quantifying the benefits of biosolids to reclaim fire ravaged land

Proposed Project Period: \_\_\_\_\_ September 2018 – September 2020 \_\_\_\_\_

WRF Cost		In-Kind/Other Support		TOTAL Project Cost
\$75,000	+	\$127,500	=	\$202,500

### RESEARCH OR DEMONSTRATION

☒ Is this research?

☐ Or a technology demonstration?\*\*

### If Research, DOES THIS INVOLVE

Human Subjects? ☐ Yes ☒ No  
Vertebrate Animals? ☐ Yes ☒ No  
Recombinant DNA? ☐ Yes ☒ No

\_\_\_\_\_ \*\*If you are submitting a technology demonstration, please provide initials signifying that you have reviewed the WRF IP and Patent Policy (see Section 10 of WRF's sample contract, or in the 2018 Unsolicited FAQ)

Is this research being funded/leveraged by other organizations/programs/funding sources? ☒ Yes ☐ No If Yes, list funding sources and/or programs – Public wastewater treatment plants/CA regional biosolids association/biosolids management firms

Is this research related to a prior project by the WRF? ☐ Yes ☒ No If Yes, list project and/or program

### AUTHORIZED SIGNATURES

#### Principal Investigator

I agree to accept responsibility for scientific conduct of the project and to provide the required project reports if a contract is awarded as \_\_\_\_\_ a result of this application.

Signature: Greg Kester

Date: July 13, 2018

Name: Greg Kester

#### Designated Official Responsible for Contracts in the Proposer's Organization

To the best of my knowledge, this organization can comply with the WRF policies and contractual conditions listed in Section VI of the instructions.

Signature: Greg Kester

Date: July 13, 2018

Name: Greg Kester





## **Quantifying the Benefits of Biosolids For the Reclamation of Fire Ravaged Land**

### **Project Rationale and Importance**

Reclamation of fire ravaged land and the reduction of the potential severity of future fires is an extremely high priority for areas prone to such devastation. Much of Western North America and all drought, and post drought, stricken areas are at increased risk for devastating fires. This research, which has been accepted as a Water Research Foundation (WRF) targeted collaborative research project, would evaluate and quantify the benefits of using biosolids to reclaim fire ravaged land. The successful use of biosolids for this purpose would be of critical importance for all WRF subscribers as it will create another beneficial use opportunity for their biosolids while simultaneously addressing a major safety and economic problem for society at large. There is a need to conduct further research to quantify and understand the benefits of biosolids for these purposes to gain widespread acceptance by regulators and the public for their use to mitigate fire ravaged and prone areas.

Fire ravaged land is subject to increased erosion, contributes to impaired water quality, and is subject to impaired ecological services including habitat support for vegetation and animal life, and experiences the destruction of soil quality. Biosolids will mitigate adverse impacts at fire impacted sites by increasing soil organic matter, nutrients, and water holding capacity. This will result in improved water quality, reduced erosion, enhanced terrestrial carbon sequestration, and the promotion of healthy forage production. We expect that increased vegetation will remain green through the fire intense summer season which, if well established, would therefore provide a break in future fires and preclude the fire from spreading unabated. These vital ecological services are inextricably linked to the effective management of fire prone areas and soil quality.

Research has previously been successfully conducted in the Rocky Mountains of Colorado following the stand replacing Buffalo Creek fire in the mid 1990's by members of our research team<sup>1</sup>. We propose revisiting that site, which has retained its test plots intact, in order to conduct new sampling to evaluate the long-term implications of a one-time biosolids application 20 years later. Other members of our team have conducted more recent successful demonstration site evaluations at test plots on the campus of UC Riverside<sup>2</sup>. While both of these projects showed the success of using biosolids compost for fire reclamation, our current proposal will expand and complement those efforts.

After a severe or prolonged wildfire, the loss of plant nutrients and destabilization of the soil structure can inhibit plant regeneration resulting in increased soil erosion and potential negative impacts to surface water quality. Historical monitoring of fire impacted areas have demonstrated that, the greater the extent of soil heating, the higher the rate of soil organic matter and nutrient loss resulting in lower recovery rate of vegetation<sup>3</sup>. Soil heating tends to facilitate the volatilization of nutrients that are held by cation exchange sites associated with soil organic matter. High temperature wildfires and/or those of long duration are effective in not only accelerating nutrient removal but can adversely impact the water holding capacity, soil porosity

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<sup>1</sup> Meyer, V.F., E.F. Redente, K. A. Barbarick, **R.B. Brobst**, M.W. Paschke, and A.L. Miller. 2004. Plant and soil responses to biosolids application following forest fire. J. Environ. Qual. 33:873-881.

<sup>2</sup> Crohn, D., V. Chaganti, and N. Reddy. 2013. Composts as Post Fire Erosion Control Treatments and Their Effect on Runoff Water Quality. American Society of Agricultural and Biological Engineers. 56(2): 423-435.

<sup>3</sup> DeBano, L., Neary, D. and P. F. Folliott (1998) Fire's Effects on Ecosystems John Wiley & Sons, New York.

and moisture infiltration rate of terrestrial ecosystems. During an intense wildfire event, vaporized soil organic matter will move deeper into the soil profile and condense in the cooler underlying layers. At the depth where condensation occurs, the organic matter will establish a water repellent layer that can significantly reduce moisture infiltration and lead to increased erosion.

Under these circumstances, a severe or prolonged rainstorm event can potentially cause significant moisture runoff, soil erosion, and surface water deterioration. Because of the loss of essential plant nutrients and organic matter, areas that have been impacted by wildfire are difficult to revegetate. Unfortunately, if revegetation of wildfire impacted landscapes is not conducted effectively, flooding may cause long term degradation of plant community productivity as well as negatively impact water quality. The primary factors limiting the re-establishment of vegetation on fire impacted landscapes are poorly structured soils, reduced water holding capacity, and low soil nutrient concentrations. The absence of soil organic matter in fire impacted soils seriously limits the establishment and growth of vegetation and may hinder or prevent succession towards mature native plant communities. Land application of biosolids will increase soil organic matter, improve soil water holding capacity, cation exchange capacity, aggregation, and microbial diversity and activity. Soil organic matter enhances fertility through storing and slowly releasing nutrients, increasing moisture holding capacity and improving water drainage.

#### Project Objectives/Design

**Our hypothesis is that the use of biosolids will effectively reclaim fire ravaged land and reduce the risk and severity of future wildfires by allowing vegetation to thrive and thereby increasing biomass.** Our proposal is to select locations in both northern California and southern California with each location having a controlled burn site and a naturally burned site. We will maintain a control site at each location which will not receive any amendment. We believe it is necessary to include both a controlled and a natural burn site due to the differences in the temperature reached in each kind of fire. We would also revisit the Buffalo Creek fire site in Colorado in order to evaluate its long term soil and habitat health. It is invaluable to still have such a site accessible twenty years after the initial research so that we may truly evaluate long term effects. CASA has spent the last few years building a foundation and network of key California regulators and personnel which will facilitate the implementation of this research. We have met with CAL Fire, State and Regional Water Boards, Air Resources Board, California Energy Commission, Local Air Quality Management Districts, and others and have gained their support in concept for the use of biosolids to reclaim fire ravaged land. In California, the Santa Ana Regional Water Quality Control Board adopted a Waste Discharge Requirement (WDR) Waiver in 2008 to facilitate the use of biosolids compost to reclaim land impacted by the Freeway Complex Fires in Orange, San Bernardino, and Riverside Counties. We have discussed the use of that WDR Waiver as a template for a statewide waiver and have received general support for that effort assuming we have projects which would actually utilize it. This research will expedite that process and we believe lead to actual projects moving forward. Such projects are expected throughout North America and will not be limited to California. We have assembled a highly qualified team of researchers from UC Davis, UC Riverside, Colorado State University, Utah State, the University of Washington, and the University of Arizona to execute this research should we be awarded a contract.

We expect that biosolids application to fire sites will: 1) Increase vegetative productivity, 2) decrease soil erosion potential, and 3) increase biodiversity due to increase in soil organic matter, nutrients, and water holding capacity,

The overarching objective of the research is to evaluate the ability of biosolids land application to restore and enhance the ecological services provided by fire impacted landscapes. The ecological services serving as the primary focus include: 1) water quality protection, 2) future wildfire risk reduction, 3) terrestrial carbon sequestration, and 4) vegetative biodiversity. To do this, we will establish a controlled burn site, a natural burn site, and an unamended burn control site in both Northern and Southern California. The sites will be selected to represent a worst-case scenario with steep slopes and an adjacent surface water. The Northern California site selected is the Boggs Mountain State Forest in Lake County. The forest suffered severe but fires in 2015 and 2016 and will be an excellent site since the forest is set up as a demonstration site and well poised for research. The Southern California site will likely be near San Bernardino. Class B biosolids cake, Exceptional Quality Biosolids Compost, and a heat dried biosolids pellet will all be utilized as amendments to be applied at agronomic rates and at select higher application rates sufficient to evaluate improvements to soil quality and all ecological services. They may be mixed with other amendments such as wood ash, paper mill sludge to aid with adherence of biosolids on steep slopes. Should natural rainfall not occur, artificial rainfall simulation will be utilized to mimic storm events. The biosolids will be obtained from CASA members across the state dependent on the location of the final test sites.

In addition, soil, vegetative, and water quality monitoring will also be conducted at the Buffalo Creek test plots established in 1996 to assess the long term impacts and performance of biosolids to reclaim that fire impacted landscape in 1996. To obtain data twenty years post reclamation will provide invaluable information on the sustainability of these efforts.

#### Deliverables and Communication Plan

The research will be of great importance to public wastewater treatment facilities, regulators, forest service professionals, and land use planners. Many CASA members are also WRF subscribers and will directly benefit from this research. The results will be communicated through CASA, the research team University newsletters, a published paper, and colleagues in the wastewater sector such as the National Association of Clean Water Agencies, Water Research Foundation, and the Water Environment Federation. USEPA, the State and Regional Water Boards, CalRecycle, CalFire, and state agencies across the country will be informed of the results and encouraged to communicate the results to all internal and external interested parties.

#### Qualification Statement

The Principal Investigator will be Greg Kester, Director of Renewable Resource Programs for the California Association of Sanitation Agencies (CASA). Mr. Kester is a civil and environmental engineer with years of wastewater and biosolids experience and expertise. He served on the National Academies of Science committee which evaluated the federal biosolids regulations and program, producing a report in 2002. He has studied trace organics in biosolids, risk assessment, developed treatment standards, and worked on the reclamation of fire ravaged land for many years.

Dr. Kate Scow – Co PI – UC Davis

Dr. Mike McFarland – Co PI – Utah State

Robert B. Brobst, P.E. – Co PI – USEPA Region 8 (retired)/Colorado State University

Other collaborators include: Dr. David Crohn, UC Riverside; Dr. Thomas Young – UC Davis; Dr. Sally Brown – University of Washington; Dr. Ian Pepper – University of Arizona; Dr. Samantha

Ying – UC RiversideM Angela Wilson – California Central Valley Regional Water Quality Control BoardM Numerous CASA members (many of whom are also WRF Subscribers) will provide in-kind services including biosolids, analytical assistance, and transporting of biosolids.

Timeline (1 Year)

Year	Month	Summary of actions and Deliverables
2019	Jan. - March	Select sites, select biosolids producers in closest proximity to sites with biosolids meeting our requirements
	April	Establishment of sites, application to sites, seeding of vegetative species; monitoring of Colorado site
	April – December	Monitoring of sites, water quality, vegetative growth, etc. at both California and Colorado sites
2020	January - March	Continue monitoring and sampling efforts in CA and CO
	March	Final report and execution of communication plan.

Proposed Budget I \$202,500

- **Requested funding:** WRF I \$75,000
- **Match funding** – TCR has already secured \$72,500 (\$10,000 each from Orange County SD, City of Los Angeles, City of Fresno, Inland Empire UA, Sanitation Districts of Los Angeles County, City of San Diego, Central Valley Clean Water Association). \$2,500 from City of Santa Rosa.
- **In-Kind Support** – CASA, UC Davis, Utah State, UC Riverside, University of Washington, University of Arizona, Colorado State, Central Valley Regional Water Quality Control Board, CASA member agencies (numerous members have offered assistance by providing biosolids, analytical assistance, etc.); Synagro has offered biosolids, transport, application assistance, etc. - \$55,000 minimum

**Disadvantaged Business Enterprise (DBE)**

While we do not have a DBE identified at this time, we will make every effort to include a DBE as a partner on this project. They could either be a contract applicator, laboratory partner, or other service provider as part of this project. This would be further identified should we be allowed to continue in this process.

GREG KESTER – CURRICULUM VITAE  
CIVIL AND ENVIRONMENTAL ENGINEER (PE in WI)  
DIRECTOR OF RENEWABLE RESOURCE PROGRAMS  
CALIFORNIA ASSOCIATION OF SANITATION AGENCIES (CASA)  
916-844-5262 email: GKESTER@CASAWEB.ORG

June 2007 – Present – Director of Renewable Resource Programs (title change in July 2013 from Biosolids Program Manager) for the California Association of Sanitation Agencies, 1225 8<sup>th</sup> Street, Suite 595, Sacramento, CA 95814.

Currently serving as the Director of Renewable Resource Programs for CASA, representing more than 90% of the sewered population of California. This includes serving as both the technical and programmatic contact for CASA members and conduit for emerging issues on state and federal level on all biosolids, renewable energy, recycled water, and related issues. Work closely with local, state and federal authorities as well as the private sector on biosolids management, climate change mitigation, energy optimization, and management options.

Continue to work closely toward resolution of cross media regulatory issues, including planning and executing a roundtable with high ranking officials in CalEPA in 2008 which led to the development of a cross media checklist for use during regulatory development. Since 2009 have worked closely with CalRecycle and the Water Boards on jurisdictional oversight dispute for POTWs receiving FOG or food waste. Coordinated and directed a funding solicitation and research effort by UC Davis to speciate and quantify ozone forming potential of VOCs emitted from biosolids compost facilities. Work with CASA members in southern California and South Coast AQMD on implementation and revisions to Rule 1110.2 since there are few cost effective and commercially available technologies to ensure compliance with emission limits from IC engines utilizing methane.

Serve on Steering Committee as CASA representative on California Wastewater Climate Change Group (CWCCG) since 2009. The CWCCG examines climate change mitigation opportunities for our members. Also serve on the Steering Committee for the CASA Regulatory Workgroup on pesticide related issues with the Department of Pesticide Regulation, the State Water Boards, USEPA, Stormwater agencies, the pyrethroid manufacturers and others on registration review of pyrethroids to place restrictions on use or production as appropriate as opposed to effluent limits on POTWs.

Continue to serve on Project Sub Committee (PSC) for Water Environment Research Foundation (WERF) targeted collaborative research team to fill data gaps so that EPA can perform credible risk assessment related to trace organics in land applied biosolids.

Use extensive contact network with USEPA to hold informal meeting with key officials from multiple offices with CASA representatives at annual DC conference.

Work with NACWA on numerous issues related to energy, biosolids, and recycling opportunities including EPA Sewage Sludge Incinerator rules which incorporated many of our comments for the final rule in March 2011. Provided input with NACWA to EPA on Combined Heat and Power report (December 2010) which severely undercounted anaerobic digestion and methane utilization at POTWs in US. Currently working with others on a national effort to quantify this for a corrected report.

Have served on the National Biosolids Partnership (NBP) Steering Committee almost continuously since its inception. Worked to develop the Environmental Management System options as part of a team when the partnership was formed and co-chaired the Advisory Committee for many years.

Maintain close communication and contact with federal and state biosolids regulators, regional and national associations, regulated agencies, and research community across the nation and beyond. Participate as an invited speaker and participant at many forums in California and across the nation.

May 1993- May 2007 State Residuals Coordinator (Licensed Professional Engineer in Wisconsin), Wisconsin Department of Natural Resources, 101 South Webster Street, P.O. Box 7921, Madison, WI 53707-7921.

Coordinated all aspects of Wisconsin biosolids program. Main author of revision to Chapter NR 204, Wis. Adm. Code, effective Jan. 1996. It incorporated all necessary provisions of federal biosolids regulations. Set policy for the Wisconsin biosolids program implemented by field engineers, and made determinations as to adequacy of solids

handling design. Prepared documentation to obtain delegated authority, as only 4<sup>th</sup> state to receive it in 2000, from EPA for Wisconsin to implement the biosolids program. Duties included setting technical design and management standards, database development, and oversight of program implementation by field staff. Responded to plethora of questions related to all aspects of program from regulatory staff, regulated community, and the public.

Served on the National Academy of Sciences Committee which produced the July 2002 report: Biosolids Applied to Land: Advancing Standards and Practices. This was a 16-member committee formed in early 2001 that was given the task of evaluating the federal biosolids regulations, with respect to pollutants regulated, risk assessment methodology, pathogen control, and program oversight.

Worked closely with Wisconsin Legislature on legislation, which passed unanimously in 2006, giving the state explicit authority for the state biosolids program and disallowed restrictive local ordinances.

Developed and maintained communication network for all state biosolids coordinators. This allowed forum for exchange of questions and dialogue on implementation, technical standards, enforcement strategies, and other relevant issues in biosolids program. Represented all other states, by their election, on the EPA Biosolids Program Implementation Team (BPIT), as the only non-EPA representative. The BPIT set national policy and priorities for biosolids management. Acknowledged contributor to revisions to EPA Guidance Document, EPA/625/R-92/013 (Revised 10/99 & 7/03), titled: Environmental Regulations and Technology, Control of Pathogens and Vector Attraction in Sewage Sludge. Co-sponsor with EPA and organizer and chair of eight consecutive annual joint EPA/State coordinator meetings (1999 - 2006). These joint meetings provided an invaluable forum for interchange on new research, research needs, development of consistent national strategies and various other implementation issues. The meetings drew representatives from between 42 and 47 states, 1 Native American Nation, 1 Interstate Commission, all EPA Regions, EPA's office of Research and Development, and cross divisions of Headquarters staff. Wisconsin DNR secured annual grant funding from EPA for this meeting to facilitate other state participation. Initial member of Steering Committee for National Biosolids Partnership representing state interests. Worked to complete successful development of third party verification system for the biosolids Environmental Management System as a member of the Options Development Group.

Served as a member of the Health Advisory Committee (HAC) for WERF project by UC-Berkeley and EOA Consultants to conduct a microbial risk assessment for biosolids (report published Fall 2006). Corresponding author and invited speaker at Sustainable Land Application Conference in Orlando, FL in January 2004. Presentation and paper titled: Risk Characterization, Assessment, and Management of Organic Pollutants in Beneficially Used Residual Products. (J. Environ. Qual. 34:80-90, 2005). Member of WERF Project Sub Committee (PSC) for developing framework for a Rapid Incidence Response Protocol. Other studies initiated and/or participated in included: an evaluation of molybdenum uptake into crops under field conditions with high molybdenum concentrations; evaluation of the need for additional digestion after extended aeration with respect to pathogen control; survey of sludge reed bed systems performance and potential invasiveness of phragmites; and the development of numerous technical guidance documents for conformance with pathogen and vector control requirements.

1992-1993 Resident Engineer (Part time while student), Mead and Hunt, Inc., 6501 Watts Road, Suite 101, Madison, WI 53719-1361. Worked on design of wastewater treatment plant upgrades including sludge storage and loading/unloading systems. Designed wastewater pump lift stations and other general design work. Wrote technical specifications for wastewater treatment plant upgrades. Worked with computer applications of data. Worked full time in the summer of 1992 as the resident engineer and inspector for an upgrade to a wastewater treatment plant. Performed standard density proctor tests in the field, slump tests, concrete core tests, participated in contractor meetings, and all other aspects of oversight for the project.

1988-1993 Student, University of Wisconsin – Madison. BS - Civil and Environmental Engineering, May 1993.

1978-1989 Operator and Biosolids Reuse Program Worker, Madison Metropolitan Sewerage District, 1610 Moorland Road, Madison, WI 53716. Worked the first year and a half and the last year as a wastewater and sludge operator. Worked in virtually every aspect of wastewater operation and maintenance. The remaining nine years I worked in the Metrogro biosolids beneficial reuse program. I was primarily a semi-trailer driver hauling biosolids to agricultural land but also worked as a lagoon dredge operator, applicator driver, and soil sampler. The experiences gained through the wastewater treatment plant and beneficial biosolids reuse program have provided me with invaluable experience. Subsequently, I have applied this invaluable practical knowledge and experience in all aspects of my professional career.

## Curriculum Vitae for Robert B. Brobst

### Short Narrative

Robert B. Brobst, P.E., Recently retired as a senior environmental engineer for the United States Environmental Protection Agency in Denver, CO. He has conducted inspections and process evaluations of wastewater facilities and biosolids land application sites for the last 30 years.. Bob has conducted research in the beneficial use of biosolids in reclaiming arid lands and areas devastated by wildfires. Current Research interest include enhancing biophysical properties of soil to remediate contaminated soils and airborne release of endotoxins from land application of biosolids. Bob is a faculty affiliate teaching introduction to soils labs at Colorado State University, Department of Soils and Crop Sciences.

### Degrees Received

1976 B.S. Environmental Science (Lake Superior State University; MI)  
1977 B.S.E. Environmental Engineering (Michigan Technological University; MI)  
1996 M.S.C.E. Sanitary and Water Resource Engineering (University of Colorado)  
Current Ph.D. Candidate in Soils (ABD) (Colorado State University, CO)

### Licenses/Certifications Held

Professional Engineer (CO0025255)  
Certified Biosolids Land Applier (Association of Boards of Certification; Certificate No. 33)  
EPA Subject Matter Expert – land application, biosolids

### Positions Held

1977 - 1980: District Engineer - Wisconsin Department of Natural Resources  
1980 - 1985: City Engineer -City of Antigo WI  
1985 - 1987: Environmental Engineer - Geotech Environmental  
1987 - 1988: Environmental Engineer - CC Johnson Malhotra  
1988- 2016: Environmental Engineer - Environmental Protection Agency  
2016 – Recently Retired from EPA  
2000-Present: Associate Faculty Affiliate - Colorado State University

### Current Research Interests

Enhancing soil biophysical processes to remove and or ameliorate anthropogenic contaminants. Restoration ecological services to lands devastated by fire, mining and salinization both short-term and long-term. Biophysical responses of soil organic carbon from organic amendments, principally carbon sequestration, temperature, and functions of soil water in soils.

### Professional Societies/Groups

Active Member Soil Science Society of America

## Refereed Articles in Scientific Journals

- Meyer, V.F., E.F. Redente, K.A. Barbarick, and **R. Brobst**. 2001. Biosolids application affect runoff water quality following forest fire. *J. Environ. Qual.* 30:1528-1532.
- O'Connor, G. A., **R. B. Brobst**, et al. (2001). "A Modified Risk Assessment to Establish Molybdenum Standards for Land Application of Biosolids." *J. Environ. Qual.* 30(5): 1490-1507.
- Gaskin, J. W., **R. B. Brobst**, et al. (2003). "Long-Term Biosolids Application Effects on Metal Concentrations in Soil and Bermudagrass Forage." *J. Environ. Qual.* 32(1): 146-152.
- Barbarick, K.A., K.G. Doxtader, E.F. Redente, and **R.B. Brobst**. 2004. Biosolids effects on microbial activity in shrubland and grassland soils. *Soil Sci.* 169:176-187.
- Meyer, V.F., E.F. Redente, K. A. Barbarick, **R.B. Brobst**, M.W. Paschke, and A.L. Miller. 2004. Plant and soil responses to biosolids application following forest fire. *J. Environ. Qual.* 33:873-881.
- Kester, G. B., **R. B. Brobst**, et al. (2005). "Risk Characterization, Assessment, and Management of Organic Pollutants in Beneficially Used Residual Products." *J. Environ. Qual.* 34(1): 80-90.
- Paschke, M. W., K. Topper, et al. (2005). "Long-Term Effects of Biosolids on Revegetation of Disturbed Sagebrush Steppe in Northwestern Colorado." *Restoration Ecology* 13(3): 545-551.
- Ippolito, J.A., K.A. Barbarick, and **R. Brobst**. 2009. Fate of Biosolids Cu and Zn in a Semi-Arid Grassland. *J. Agric. Ecosys. Environ.* 131:325-332.
- Ippolito, J.A., K.A. Barbarick, M.E. Stromberger, M.W. Pasche, and **R.B. Brobst**. (2009). Water treatment residuals and biosolids long term co-applications effects to semi-arid grassland soils and vegetation. *Soil Sci. Soc. Am. J.* 1880-1889.
- Greenhalgh, L. K., M. J. McFarland, et al. (2009). "Metals in biosolids-amended soils in Western Utah." *Journal of Agricultural Extension and Rural Development* 1(1): 008-017.
- McFarland, M. J., I. R. Vasquez, et al. (2010). "Use of Biosolids to Enhance Rangeland Forage Quality." *Water Environment Research* 82(5): 455-461.
- Ippolito, J.A., K.A. Barbarick, M.W. Paschke, and **R.B. Brobst**. (2012). Infrequent composted biosolids applications affect semi-arid grassland soils and vegetation. *J. Environ. Manage.* 91:1123-1130.
- McFarland, M. J., K. Kumarsamy, **R. B. Brobst**, A. Hais, M.D. Schmitz. (2013). "Protecting Groundwater Resources at Biosolids Recycling Sites." *Journal of Environmental Quality* 60: 660-665.
- Ippolito, J. A., K. A. Barbarick, and **R. B. Brobst** (2014). Copper and Zinc Speciation in a Biosolids-Amended Semiarid Grassland Soil. *J. Environ. Qual.* 43:1576–1584
- Herrmann R. F., R.J. Grosserf, D. Farrar, and **R. B. Brobst** Field Studies Measuring the Aerosolization of Endotoxin During the Land Application of Class B Biosolids., (on-line March 2017). *Aerobiologia*



**Dr. Michael J. McFarland, PE, BCEE**

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**EDUCATION**

Postdoctoral Research Associate	Environmental Engineering University of Texas at Austin	November 1989
Doctorate Degree	Agricultural and Biological Engineering Cornell University	August 1988
Master of Science Degree	Chemical Engineering Cornell University	August 1984
Bachelor of Science Degree	Chemical Engineering Yale University	May 1981

**PROFESSIONAL LICENSING AND CERTIFICATIONS**

Board Certified Environmental Engineer (BCEE)	American Academy of Environmental Engineers (92-10025)
Professional Engineering (PE) License	State of Utah - 0883109730
Wastewater Treatment Operator - Grade IV	State of Utah - 1638E05154
Water Treatment Operator - Grade IV	State of Utah – 94537
Biosolids Land Applier – Grade II	State of Utah – 1638E0127142B

## Relevant Publications

1. McFarland, M. J., Kumarsamy, K., Brobst, R., Hais, A. and M. D. Schmitz (2013) “Protecting Groundwater Resources at Biosolids Recycling Sites” *Journal of Environmental Quality* vol.42 pp. 660-665
2. McFarland, M. J., Kumarsamy, K., Brobst, R., Hais, A. and M. D. Schmitz (2013) “Impact of Biosolids Recycling on Groundwater Resources” *Water Environment Research Journal* Vol. 85, pp. 2141- 2146
3. McFarland, M. J., Kumarsamy, K., Brobst, R., Hais, A. and M. D. Schmitz (2012) “Groundwater Quality Protection at Biosolids Land Application Sites” *Water Research* vol. 46 pp. 5963 – 5969
4. McFarland, M. J., Kumarsamy, K., Brobst, R., Hais, A. and M. D. Schmitz (2011) “Are Part 503’s Pollutant Limits Still Valid” *Biosolids Technical Bulletin* Vol. 17, No. 5 pp 11-13
5. McFarland, M. J., Vutran, M., Vasquez, I. R., Schmitz, M. and R. B. Brobst (2011) “Use of Biosolids to Enhance Rangeland Forage Quality” *Water Environment Federation Research Journal* vol. 82, pp 455-461
6. Kumarsamy, K., McFarland, M. J. and K. Bhayani (2011) “Sustainable Residual Management” *Journal of the Utah Engineers Council* vol. 60, pp. 35 - 36
7. Fries, S., Levine, A., Scheraga, J. and M. J. McFarland (2010) “Carbon Sequestration and Groundwater Resources Protection: A Case for Interdisciplinary Education” *Journal of Environmental Management* (AWMA), Issue 8 (August), pp. 20-24
8. L. K. Greenhalgh, M. Vutran, M. J. McFarland, G. E. Cardon, M. D. Schmitz and R. B. Brobst (2009) “Metals in Biosolids-amended Soils in Western Utah” *Journal of Agricultural Extension and Rural Development* Journal of Agricultural Extension and Rural Development Vol. 1(1). pp. 008-017, October, 2009
9. McFarland, M. J., Brobst, R.B, and G. Kester (2009) “Restoring Fire Ravaged Lands in California Using Biosolids” *Water Journal* vol. 3, pp. 39-40
10. McFarland, M. J., Vutran, M., Vasquez, I. R., Schmitz, M. and R. B. Brobst (2009) “Use of Biosolids to Enhance Rangeland Forage Quality” *Water Environment Federation Research Journal* water-82-04-16.3d
11. Vutran, M., McFarland, M. J., Vazquez, I., Schmitz, M. and R. B. Brobst (2008) “Phosphorus Mobility on Biosolids Amended Rangelands” *Water Environment Federation Biosolids Technical Bulletin* vol. 13 no. 6 pp. 7 – 12
12. McFarland, M. J., Vutran, M., Vasquez, I. R., Schmitz, M. and R. B. Brobst (2008) “Land Applied Biosolids Restore Disturbed Rangelands” *Biocycle* vol. 48, No. 9 pp. 34-39
13. McFarland, M. J., Vasquez, I. R., Vutran, M., Schmitz, M., Brobst, R. B. and L. Greenhalgh (2007) “Rangeland Restoration Using Biosolids Land Application” *Journal of Water Practice* vol. 1 no. 4 pp. 1 -12
14. McFarland, M.J. (2001) Biosolids Engineering – McGraw Hill, Inc., New York ISBN 0-07-047178-9

## Biographical Sketch

Kate M. Scow

Department of Land, Air and Water Resources

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University of California, Davis

One Shields Ave.

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(530) 752-4632 (phone)

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kmscow@ucdavis.edu

### Research Interests

Role of microbial populations and communities in carbon and nitrogen flow in agroecosystems. Kinetics of microbial processes in soils and subsurface. Impact of pesticides and contaminants on microbial community structure and function. Biodegradation of pesticides, volatile and sorbed pollutants in soil. Biodiversity of carbon and nitrogen cycling organisms in soils under different farming management systems.

### Education and Training

1989 Ph.D. in Soil Science, with minors in Environmental Toxicology and Microbiology, Cornell University, Ithaca, N.Y.

1986 M.S. in Soil Science, Cornell University, Ithaca, N.Y.

1973 B.S. in Biology, Antioch College, Yellow Springs, Ohio.

### Research and Professional Experience

2008-present Director of Russell Ranch Sustainable Agriculture Research Facility

2013-2016 Chair of Graduate Group in International Agricultural Development

2008-2014 Deputy Directory of the Agricultural Sustainability Institute

2001-2007 Director of Kearney Foundation of Soil Science. Mission: "Soil Carbon and California Terrestrial Ecosystems." *The Kearney Foundation is a UC endowed research foundation funding competitive grants, outreach and other activities on campuses throughout the University of California.*

1989-present Professor of Soil Microbiology and Microbial Ecology, Department of Land, Air and Water Resources, University of California, Davis.

### Publications (last 4 years)

Total >185 international peer-reviewed papers and book chapters.

Maltais-Landry, G., K. Scow, E. Brennan, and P. Vitousek. "Long-term effects of compost and cover crops on soil phosphorus in two California agroecosystems." *Soil Science Society of America Journal* 79, no. 2 (2015): 688-697.

Joshi, Geetika, Radomir Schmidt, K. M. Scow, Michael S. Denison, and Krassimira R. Hristova. "Gene mdpC plays a regulatory role in the methyl-tert-butyl ether degradation pathway of *Methylobium petroleiphilum* strain PM1." *FEMS microbiology letters* 362 (2015): fnv029.

Zhang, Nan Nan, Yan Mei Sun, En Tao Wang, Jin Shui Yang, Hong Li Yuan, and K. M. Scow. "Effects of intercropping and Rhizobial inoculation on the ammonia-oxidizing microorganisms in rhizospheres of maize and faba bean plants." *Applied Soil Ecology* 85 (2015): 76-85.

Pereira, Engil Isadora Pujol, Emma C. Suddick, Fungai ND Mukome, Sanjai J. Parikh, Kate Scow, and Johan Six. "Biochar alters nitrogen transformations but has minimal effects on nitrous oxide emissions in an organically managed lettuce mesocosm." *Biology and Fertility*

- of Soils* (2015): 1-10.
- Cohen, Craig R., Rachel L. Steinfeld, Elly Weke, Elizabeth A. Bukusi, Abigail M. Hatcher, Stephen Shiboski, Richard Rheingans et al. "Shamba Maisha: Pilot agricultural intervention for food security and HIV health outcomes in Kenya: design, methods, baseline results and process evaluation of a cluster-randomized controlled trial." *SpringerPlus* 4, no. 1 (2015): 122.
- Maltais-Landry, G., K. Scow, and E. Brennan. "Soil phosphorus mobilization in the rhizosphere of cover crops has little effect on phosphorus cycling in California agricultural soils." *Soil Biology and Biochemistry* 78 (2014): 255-262.
- Geisseler, D., and K. M. Scow. "Does long-term use of mineral fertilizers affect the soil microbial biomass?." *Better Crops with Plant Food* 98, no. 4 (2014): 13-15.
- Geisseler, Daniel, and Kate M. Scow. "Long-term effects of mineral fertilizers on soil microorganisms—A review." *Soil Biology and Biochemistry* 75 (2014): 54-63.
- Hicks, Kristin A., Radomir Schmidt, Michael G. Nickelsen, Susan L. Boyle, Jeffrey M. Baker, Paul M. Tornatore, Krassimira R. Hristova, and Kate M. Scow. "Successful treatment of an MTBE-impacted aquifer using a bioreactor self-colonized by native aquifer bacteria." *Biodegradation* 25, (2014): 41-53.
- García-Orenes, F., Morugán-Coronado, A., Zornoza, R., & Scow, K. 2013. Changes in Soil Microbial Community Structure Influenced by Agricultural Management Practices in a Mediterranean Agro-Ecosystem. *PloS one*, 8(11), e80522.
- Park, I., Zhang, N., Ogunyoku, T. A., Young, T. M., & Scow, K. M. 2013. Effects of Triclosan and Biosolids on Microbial Community Composition in an Agricultural Soil. *Water Environment Research*, 85: 2237-2242.
- Pujol Pereira, E. I., Chung, H., Scow, K., & Six, J. 2013 Microbial Communities and Soil Structure are Affected by Reduced Precipitation, but Not by Elevated Carbon Dioxide. *Soil Science Society of America Journal*, 77: 482-488.
- Jung, J., Choi, S., Jung, H., Scow, K. M., & Park, W. 2013 Primers for amplification of nitrous oxide reductase genes associated with Firmicutes and Bacteroidetes in organic-compound-rich soils. *Microbiology*, 159: 307-315.
- Kearney, S, SJ Fonte, A Salomon, J Six, KM Scow. 2012. [Forty percent revenue increase by combining organic and mineral nutrient amendments in Ugandan smallholder market vegetable production](#). *Agronomy for Sustainable Development*, 1-9
- Robinson, DA, N Hockley, E Dominati, I Lebron, KM Scow, B Reynolds, BA Emmett, AM Keith, LW de Jonge, P Schjønning, P Moldrup, Scott B Jones, M Tuller. 2012. [Natural capital, ecosystem services, and soil change: Why soil science must embrace an ecosystems approach](#). *Vadose Zone J.* 11:1
- Tomich, TP, S Brodt, H Ferris, R Galt, W Horwath, E Kebreab, J Leveau, D Liptzin, M Lubell, P Merel, R Michelsmore T Rosenstock, K Scow, J Six, N Williams, and L Yang. 2011. "Agroecology: A review from a global change perspective." *Annual Review of Environment and Resources* 36:193-222.
- Geisseler, D., W. R. Horwath, and K M. Scow. 2011 Soil moisture and plant residue addition interact in their effect on extracellular enzyme activity. *Pedobiologia*, 54: 71-78
- Briar, S., S. J. Fonte, I. Park, J. Six, K. Scow, H. Ferris. 2011. The distribution of nematodes and soil microbial communities across soil aggregate fractions and farm management systems. *Soil Biology and Biochemistry* 43: 905-914
- Pereira, E., H. Chung, K. Scow, M. J. Sadowsky, C. van Kessel, J. Six. 2011. Soil nitrogen transformations under elevated atmospheric CO<sub>2</sub> and O<sub>3</sub> during the soybean growing season. *Environmental Pollution* 159: 401-407.



## BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 5  
FILE NO.: 19-19  
MEETING DATE: August 17, 2018

**TITLE: Request for BACWA Executive Board to Approve an Agreement with APA Family Support Services for FY19 and FY20**

☐ RECEIPT      ☐ DISCUSSION      ☐ RESOLUTION      ☒ APPROVAL

### RECOMMENDED ACTION

Approve an agreement with APA Family Support Services in FY2019 and FY2020 to provide work to satisfy the Risk Reduction requirement in the 2017 Mercury and PCB Watershed Permit.

### SUMMARY

BACWA members are permitted under the Regional Water Quality Control Board's Watershed Permit governing discharge of mercury and PCBs to the San Francisco Bay ([https://www.waterboards.ca.gov/sanfranciscobay/board\\_info/agendas/2017/November/5b\\_final\\_to.pdf](https://www.waterboards.ca.gov/sanfranciscobay/board_info/agendas/2017/November/5b_final_to.pdf)). Per the Watershed Permit: *"Each Discharger shall continue to implement and participate in programs to reduce mercury and PCBs-related risks to humans from consumption of San Francisco Bay and Sacramento-San Joaquin River Delta fish. This requirement may be satisfied by a combination of related efforts through the Regional Monitoring Program or other similar collaborative efforts. Each Discharger shall describe the progress of its efforts in its Annual Self-Monitoring Report. Alternatively, the Bay Area Clean Water Agencies (BACWA) may fulfill the annual reporting requirement by providing a summary of annual risk reduction program efforts for agencies that choose to participate through BACWA."*

BACWA is providing a grant program of \$50,000 to cover the risk reduction requirement in this permit term, which extends from January 2018 through December 2022. The intention is to provide \$25,000 each to two Community-Based Organizations (CBOs). BACWA issued a request for proposal (RFP) to each of the two CBOs that BACWA selected in a competitive process to receive grant funding during the term of the 2012 Mercury and PCB Watershed Permit. The CBOs were APA Family Support Services (APA) and the California Indian Environmental Alliance (CIEA). APA has submitted a satisfactory proposal that meets the requirements laid out in BACWA's RFP. CIEA intends to submit a proposal by the August 31 deadline.

The contract includes payment of two lump sums. The first will be remitted following a mid-point progress summary in early 2019. The second will be remitted upon the completion of work. The Scope of Work includes presentations to both the BACWA Executive Board, and Regional Water Board staff.

### FISCAL IMPACT

The BACWA FY19 Budget includes \$10,000 for Risk Reduction based on an expected expenditure of \$50,000 over five years. The current plan is to expend the full \$50,000 over two years with approximately \$25,000 to be expended in FY19. The funds will be paid from the Technical Support – Risk Reduction line item in the BACWA Budget and the program will be managed and tracked by the Regulatory Program Manager.

## ALTERNATIVES

Do not award the grant to APA services, and issue an open Requests for Proposals so another CBO can be selected to perform the risk reduction work required by the Mercury and PCB Watershed Permit. This alternative is not recommended, since BACWA was satisfied by the work performed by APA in the previous permit term, and elected to sole source the grant this permit term to reduce the staff time spent on the effort. APA has submitted a satisfactory proposal and is expected to continue to provide the services needed for BACWA to fulfil its commitments under the Watershed Permit.

### *Attachments:*

*APA Agreement*

*APA Proposal, including SOW, Timeline and Budget*

Approved: \_\_\_\_\_

Lori Schectel  
Chair, BACWA Executive Board

Date: \_\_\_\_\_ 8/17/18 \_\_\_\_\_

## **BAY AREA CLEAN WATER AGENCIES PROFESSIONAL SERVICES CONTRACT**

This PROFESSIONAL SERVICES CONTRACT, effective **August 18, 2018**, is between Bay Area Clean Water Agencies (“BACWA”), a joint powers agency which exists as a public entity separate and apart from its Member Agencies, created January 4, 1984 by a Joint Powers Agreement between Central Contra Costa Sanitary District, East Bay Dischargers Association, East Bay Municipal Utility District, the City and County of San Francisco and the City of San Jose, with a mailing address of P.O. Box 24055, MS 702, Oakland, CA 94623, and **APA Family Support Services** (“Consultant”), a 501(c)3 Non-Profit doing business at 10 Nottingham Place, San Francisco, CA 94133 for professional services as described in any Exhibit A attached hereto.

In consideration of the mutual covenants, stipulations and agreements, the parties agree as follows:

### **Description and Standard of Services to be Performed**

1. Consultant will perform the Services as described by and in accordance with Exhibit A in a manner acceptable to BACWA.
2. Consultant shall not contract with or otherwise use any subconsultants, subcontractors or other non-employee persons or entities (“Subconsultants”) to perform the Services without the prior written approval of BACWA. If Consultant and BACWA agree that Subconsultants shall be used, Consultant shall ensure Subconsultants’ compliance with all the terms and conditions of this agreement.
3. Consultant will exercise that degree of care in performing the Services in accordance with that prevailing among firms of comparable standing in the State of California (“Professional Standard”). Consultant will promptly correct or re-perform those Services not meeting the Professional Standard without additional compensation.
4. Consultant warrants that it is fully licensed, registered and otherwise fully authorized to perform the Services in the State of California to the extent applicable law requires such licensure, registration or authorization.
5. BACWA’s review, approval, acceptance, use, or payment for all or any part of the Services hereunder will not alter the Consultant’s obligations or BACWA’s rights hereunder, and will not excuse or diminish Consultant’s responsibility for performing all Services consistent with this Contract.

### **Payment for Services**

6. BACWA will pay Consultant up to a maximum amount payable of **\$25,000.00**. Payment will be remitted in two lump sums of \$12,500 each.
7. Consultant shall submit two invoices to Sherry Hull, BACWA Assistant Executive Director at [shull@bacwa.org](mailto:shull@bacwa.org). The first invoice, to be submitted on or after February 28, 2019 and will include a progress report of the work performed to date. The second invoice will be submitted on or after August 30, 2019, upon completion of the Scope of Work and submission of the final Project Report and Evaluation.
8. Payments under this Contract will be due thirty (30) days after BACWA’s receipt of invoices. BACWA may withhold from any progress or final payment any damages, backcharges or claims incurred or anticipated by BACWA to the extent caused by Consultant.

### **Document Ownership and Retention**

9. Consultant will maintain all financial records relating to this Contract in accordance with generally accepted accounting principles and for at least three years following termination of this Contract. Consultant will grant BACWA and its representatives access upon request to all such records and all

other books, documents, papers, drawings, and writings of Consultant that refer or relate to this Contract.

### **Indemnification**

- 10.** To the fullest extent allowed by law, Consultant will indemnify, hold harmless, reimburse and defend BACWA, its Member Agencies, and each of their officers, directors, employees and agents from, for and against any and all claims, demands, damages, losses, expenses, liabilities and penalties, including but not limited to reasonable attorneys' and expert witnesses' fees, arising out of or relating to the Services but only to the extent caused by the negligent or other wrongful acts or omissions of Consultant or any person or entity for whose acts or omissions any of them are responsible, or by the failure of any such party to perform as required by this Contract.

### **Insurance**

- 11.** Consultant will purchase and maintain, at Consultant's expense, the following types of insurance, covering Consultant, its employees and agents:
- a. Workers' Compensation Insurance as required by law, subject to a waiver of subrogation in favor of BACWA;
  - b. Employers Liability Insurance with a per accident value at \$1,000,000, Policy Limit of \$1,000,000 and Each Employee of \$1,000,000, subject to a waiver of subrogation in favor of BACWA.
  - c. Comprehensive General Liability Insurance covering personal injury and property damage with a combined single limit, or the equivalent, of not less than \$1,000,000.00 each occurrence, \$2,000,000.00 general aggregate, and naming BACWA as an additional insured.
  - d. Business Automobile Liability Insurance with combined single limit coverage of not less than \$1,000,000.00 aggregate for each claim, incident, or occurrence; and naming BACWA as an additional insured.

### **Assignment**

- 12.** Consultant will not assign or transfer any of its interest in this Contract, in whole or in part, without the prior written consent of BACWA. BACWA may assign this Contract and any rights relating to this Contract (including but not limited to its right to assert claims and defenses against Consultant) at BACWA's discretion.

### **Independent Contractor**

- 13.** Consultant will perform the Services as an independent contractor. Although Consultant will perform its Services for the benefit of BACWA, and although BACWA reserves the right to determine the schedule for the Services and to evaluate the quality of the completed performance, BACWA does not control the means or methods of Consultant's performance. Consultant is solely responsible for determining the appropriate means and methods of performing the Services, and Consultant's liability will not be diminished by any review, approval, acceptance, use or payment for the same by BACWA or any other party.

### **Termination of Contract; Suspension of Services**

- 14.** This contract shall automatically terminate on **June 30, 2020**. Either party may also terminate this Contract in whole or in part at any time for its convenience. For a termination for convenience, the termination will be effective thirty (30) days following receipt of a written notice of termination by



one party from the other. BACWA may terminate this Contract in whole or in part for cause, in which event the termination will be effective ten (10) days after Consultant's receipt of BACWA's written notice and Consultant's failure during that period to cure the default.

### **Dispute Resolution**

15. Consultant will give prompt written notice to BACWA of any claim, dispute or other matter in question, but in no event will Consultant give such notice later than ten (10) days after Consultant's becoming aware of the event or circumstance giving rise to the claim, dispute or matter in question.
16. All claims, disputes and other matters in question between BACWA and Consultant arising out of or relating to this Contract will be subject to alternative dispute resolution. If both parties agree to arbitration it will be conducted in accordance with the Commercial Arbitration Rules of the American Arbitration Association then in effect. Notice of the demand for arbitration will be filed in writing with the other party to this Contract and with the American Arbitration Association. Any arbitration arising out of or relating to this Contract will include, by consolidation, joinder or joint filing, any other person or entity not a party to this Contract that is substantially involved in a common issue of law or fact and whose involvement in the consolidated arbitration is necessary to achieve a final resolution of a matter in controversy therein. This agreement to arbitrate will be specifically enforceable by any court with jurisdiction thereof.
17. A demand for dispute resolution by either party will be made within a reasonable time after the claim, dispute, or other matter in question has arisen, and in no event will it be made after the date when institution of court litigation based on such claim, dispute or other matter in question would be barred by the applicable period of limitations. For all claims by BACWA against Consultant, the applicable period of limitations will not commence to run, and any alleged cause of action will not be deemed to have accrued (whether such action is based on negligence, strict liability, indemnity, intentional tort or other tort, breach of contract, breach of implied or express warranty, or any other legal or equitable theory), unless and until BACWA is fully aware of all three of the following: (1) the identity of the party(ies) responsible, (2) the magnitude of the damage or injury and (3) the cause(s) of the damage or injury. The contractual limitations period and discovery rule provided herein applies in lieu of any otherwise applicable statute or related case law.
18. The failure of either party to enforce any provision of this Contract will not constitute a waiver by that party of that or any other provision of this Contract.

### **Severability**

19. BACWA and Consultant agree that if any term or provision of this Contract is determined to be illegal, in conflict with any law, void or otherwise unenforceable, and if the essential terms and provisions of this Contract remain unaffected, then the validity of the remaining terms and provisions will not be affected and the offending provision will be given the fullest meaning and effect allowed by law.

### **Survival**

20. All rights and obligations set out in this Contract and arising hereunder will survive the termination of this Contract (i) as to the parties' rights and obligations that arose prior to such termination and (ii) as is necessary to give effect to rights and obligations that arise after such termination but derive from a breach or performance failure that occurred prior to the termination.

This Contract constitutes the entire, legally binding contract between the parties regarding its subject matter. No waiver, consent, modification or change of terms of this Contract is binding unless in writing and signed by both parties.

The following documents are incorporated into and made a part of this Contract. Any conflicts between these documents and this Contract will be resolved in favor of this Contract.

Exhibit A – Scope of Work, Timeline, and Budget

**CONSULTANT:** APA Family Support Services

10 Nottingham Place  
*Street Address*

San Francisco, CA 94133  
*City, State, Zip Code*

94-3164091  
*Tax Identification No.*

Consultant Signature Date

Amor Santiago, Executive Director  
*Name, Title*

BACWA Signature Date

Lori Schectel, Chair, BACWA Executive Board  
*Name, Title*

Professional Services by APA Family Support Services.  
Fiscal Year 2019

**EXHIBIT A**

**SCOPE OF WORK, TIMELINE, AND BUDGET**

See Attached Bay Area Clean Water Agencies (BACWA) Mercury/PCB Watershed Permit Risk Reduction Compliance Request for Proposals 2018.

Bay Area Clean Water Agencies (BACWA) Mercury/PCB Watershed Permit Risk Reduction Compliance  
Request for Proposals 2018

**Cover Page**

**APPLICANT** APA FAMILY SUPPORT SERVICES


(c/o Amor Santiago, Executive Director)

ADDRESS 10 Nottingham Place. San Francisco, CA 94133

PHONE NUMBER 415-617-0061

PROJECT MANAGER Farmmary Saephan, APA/APIFRN Director

EMAIL FarmmarySaephan@apafss.org

SIGNATURE OF APPLICANT   
(or authorized agency representative)

**2. DATES OF PROPOSED SUPPORT PERIOD**

FROM Sept. 1, 2018 TO August 31, 2019

**3. TITLE OF PROJECT**

API SF BAY FISH EDUCATION AND ENGAGEMENT PROJECT

**4. DESCRIPTION:** We are requesting \$25,000 for an “API SF BAY FISH EDUCATION & ENGAGEMENT PROJECT” to continue our efforts to 1) promote awareness and understanding of fish consumption advisories, contamination issues, or health risks and benefits associated with eating San Francisco Bay fish; 2) and engage the community to reduce human exposure to mercury and PCBs from eating San Francisco Bay fish. Our project will focus on the most at risk San Francisco consumers because of their moderate to high amount of Fish from SF Bay consumption (through surveys), consumers of highly contaminated species and special populations (children, child bearing age women and pregnant women). API Family Resource Network’s community liaisons will be used to reach monolingual consumers in the Chinese, Vietnamese, Filipino, Lao, Cambodian, Samoan, Japanese, Korean, Thai, Mongolian community. The project involves educating consumers about the risks and benefits of SF Bay fish consumption and engaging them to take on a responsive attitude and action in addressing health effects; through (a) bilingual educational workshops (b) case management (c) and community forums.

### **API San Francisco Bay Fish Education and Engagement Project**

During our SF Bay Fish Funding Projects, we are able to identify within our API population in San Francisco to prioritize the ethnic groups most “at-risk” focusing on (monolingual) isolated, at-risk API immigrant families, including pregnant women and families with young children and API groups with high fish consumption because of the diversified API communities with differing food cultures. The diversified API communities represent a number of cultures and interests that influence the methods of core values and food habit including fish cooking techniques. Some cultures exemplify fish cooking styles and consuming certain fishes display a symbolic meaning of life prosperity, and fishing has become one of the emerging sporting events in America. For API, fish is very important. Food can have a complex and valuable meaning for many cultures and among different population groups. In API cultures and values, fish consumption (such as the type of fish and amount of fish) may contradict USDA and USEPA’s findings and recommendations on contamination issues, health risks, and benefits associated with eating San Francisco Bay fish. Also, it is much easier to catch than to buy, in this economy. Our work is to support the families to know what they need to know, especially when they have barriers like language and literacy. Some are more aware and concerned about what they hear. As a result of our previous work, we want to continue informing and supporting families in making healthier consumption choices, by educating communities through workshops and expanding our capacity to provide case management to support at-risk community members reduce exposure to chemicals from eating fish caught from the San Francisco Bay. We plan to hold multilingual community forums to discuss the relationship between environment and personal health effects related to Mercury laden fish and PCBs.

### **Description of Organization and Qualifications (one page maximum)**

APA Family Support Services’ (APA) mission is to promote healthy Asian and Pacific Islander children and families by providing family support services to prevent child abuse and domestic violence – and to advocate for culturally competent services through education, coalition building and community development. APA is the fiscal agent and programmatic lead for the Asian and Pacific Islander Family Resource Network (APIFRN) which was established in 1998. APIFRN is a citywide collaborative of 22 agencies providing family support services to Asian and Pacific Islander (API) immigrant families in 13 API languages (Burmese, Cambodian,

Cantonese, Japanese, Korean, Laotian, Mandarin, Mien, Mongolian, Samoan, Tagalog, Thai and Vietnamese.) APIFRN's mission is to support San Francisco's Asian and Pacific Islander families with children aged 0-18 to be healthy, strong, and self-sufficient, through providing quality services, working collaboratively and advocating effectively. APIFRN is culturally sensitive in terms of staffing skills, language capabilities, and geographical accessibilities. APA/APIFRN collaborative is applying to expand its reach to consumers of San Francisco Bay fish who are most at risk; to promote community awareness of fish consumption advisories, contamination issues (to reduce human exposure to mercury and PCBs) and address health risks and benefits associated with eating SF Bay fish.

APA/APIFRN was a successful participant in the 2012 SF Bay Fish Project Grant Program to initiate "API SF Bay Fish Outreach and Education Project," and continue the project in 2015 through funding from BACWA's Mercury/PCB Watershed Permit Risk Reduction Compliance Program, WSPA and CalEPA. Since 2003, APA/APIFRN has been working with CDPH relating to SF Bay fish advisories. We developed a curriculum to educate the families on healthy fish consumption and safety fish handling, mercury in fish, toxins in household cleaning products, pesticides, and lead in toys. APA/APIFRN staff has the experience of implementing and evaluating fish contamination issues and outreaching to reduce exposure to chemicals in fish. In 2016, APA/APIFRN partner with CDPH on a biomonitoring study that shows the levels of blood mercury, cadmium, and lead were elevated in this SF Bay Area Chinese community when compared to national estimates. The funding support will help us increase our capacity to promote community awareness and support change in community's consumption behavior based on fish consumption advisories for the API population in San Francisco Bay Area.

**Project Description (two pages maximum)**

The Asian Pacific Islander Family Resources Network (APIFRN) collaboration with APA Family Support Services (APA) as its lead fiscal agency plans to increase awareness and understanding of fish contamination issues and reduce exposure to chemicals from eating fish. We plan to provide information, education and engagement (through workshop and case management) and community forum opportunities in 8 Asian and Pacific Islander (API) ethnic languages to these API communities: Chinese, Cambodian, Filipino, Japanese, Korean, Lao, Samoan and Vietnamese in the San Francisco Bay Area. We have been working with API communities (focusing on pregnant women and families with young children) for over 30 years

and have 15 years of experience in providing environmental health/ SF Bay fish advisory outreach and education.

API families, especially newly arrived immigrants, often have little or no awareness of fish consumption health benefits or risks, much less the steps they can take to reduce exposure to mercury and PCB from eating SF Bay fish. Unfortunately, very few culturally or linguistically appropriate materials or educational programs are currently available to expand awareness about environmental health and fish consumption issues among API families. To address cultural, literacy, or language needs we will have many visuals tools and conduct activities in bilingual languages using volunteers or community liaisons. We have been disseminating information and providing outreach to consumers at local “hot spot” fishing area, bait shops, clinics, schools and places frequent by at-risk API population such as other program activities, outreaching events, street fairs and festivals throughout the year city-wide. Our rapport with the community and experience in outreach tells us, we need to provide community members opportunities for information sharing, community discussion and service planning support on behavioral changes aligned with the SF Bay fish consumption advisory. We have also identified the Bay fish consumers and community members interested in obtaining more information from our previous SF Bay Fish Projects as well as through our current family support services. The consumers will be invited to attend educational workshops. From the educational workshops, we will also identify participants for case management, when we determine participants consume moderate to high amounts of SF Bay Fish on a regular basis for at least the past year; or participants that eat highly contaminated species from San Francisco Bay; and or pregnant women and families with young children who consume fish species with high contaminants.

The education and engagement approach is to build a stronger support system for the community and to encourage a deeper learning about the relationship between their environment and their health. We anticipate that as the community becomes inform of the health benefits and risks in consuming SF Bay fish, then they can develop a responsive attitude and action to bettering their health. To evaluate our project we will utilize sign-in and outreach logs to track the number of people/families we have reached or contacted. For consumers who are enrolled in our case management services, we will plan of action to monitor and measure changes in knowledge and behavior toward healthy Bay fish consumption. Staff will meet and check in with case management participants monthly to discuss progress and alternatives. We anticipate the

participants will report an increase in fish consumption awareness and knowledge, and change in amount/frequency of fish consumption and avoid contaminated fish consumption.

Changes or progress will be measure using surveys, pre and post tests and staff will monitor and evaluate case management client's monthly Bay fish consumption tracking chart. The success of the project will be measure by capturing participants increase in 'SF Bay fish consumption advisory guide' knowledge (85% in pre and posttest) from workshops and (85% of case management participants change their consumption behavior). Our "API San Francisco Bay Fish Education and Engagement Project" is aimed at helping (monolingual) isolated, API immigrant families with high fish consumption, including pregnant women and children to be informed of fish consumption advisories and make behavioral choices to ensure healthy living related to fish consumption.

Our education and engagement strategy is to provide a culturally and linguistically appropriate environment to inform at-risk consumers that may be less threatening and more effective than having the message coming from a governmental department and enforcement such as Fish, Wildlife and Game. Additionally, for the majority of the API community there is a lot of stigma and pressure to save face in acknowledging health risk and high level of fish consumption (because consuming fish has a cultural significance); and case management provide consumers a safe and private means to understand and develop practices that balance healthy practices and with their culture. We have partnering agencies that speak the API languages, can translate materials and know the API community and culture making our education workshop, community forum engagement, and case management approach more effective and efficient in working with the API community.

#### **Project Scope of Work (two page maximum)**

The proposed "API San Francisco Bay Fish Education and Engagement Project" goal is to increase awareness and understanding of fish contamination issues and reduce exposure to chemicals from eating fish caught from San Francisco Bay for API families. We anticipate we will reach **1,500** API families/consumers of fish from the San Francisco Bay through **education and engagement workshops**. We anticipate identifying **40 at-risk or high risk API fish consumption community members to be enrolled in case management**. We propose to have **12 community forums** to obtain community feedback. Progress report will be provided in February 28, 2019. Staff will be available to present on project activities to the BACWA



Executive Board, as well as SF Regional Water Quality Control Board staff upon completion of project that includes community discussion on the project impacts, additional needs, and concerns. Final project completed on August 30, 2019; with evaluations and report will be provided by Sept 30, 2019.

Community Forum: We plan to promote awareness through information sharing to API families and children with bilingual, culturally-appropriated translation of fish consumption advisories, contamination issues, health risks and benefits associated with eating San Francisco Bay Fish through community forum. We will recruit participants from our various outreaching events, street fairs and festivals throughout the year city-wide. We will also share and create opportunities to discuss the updated fish consumption advisories in Chinese, Japanese, Laotian, Cambodian, Vietnamese, Samoan, Tagalog, and Korean. We will invite community members, participants and staff to a quarterly community forum to discuss the impact of the project to the community and its relevance as well as significance. The forums would not only raise awareness about what they eat and how much fish they eat, but also create an opportunity for parents / Bay Fish consumers to talk to each other about how they can take steps to change consumption behavior to reduce health risks associated with the consumption of fish laden with mercury and PCBs.

Education-Workshops: We plan to promote understanding of fish consumption advisories, risks and benefits by identifying consumers and providing to at-risk API population, bilingual workshops to promote reduction in human exposure to mercury and PCBs. We plan to stress the health consequences of consuming contaminated fish. In these workshops we plan to issue an information packet and resources for healthy fish consumption. We also plan two section workshops. Fish Workshop I includes the use of Chinatown's community pool and replica plastic fish/nets for participants to challenge their knowledge on what fish and how many will be safe to catch/consume based on the advisory. Fish Workshop II includes a hands-on fish preparation and cooking demonstration for participants during the workshops. We plan to target consumers who are also head of household because their decision of fish consumption will affect other members in their family and the community overall. Participants will also take pre and post tests to measure their knowledge from the information shared.

Engagement-Case Management: We will also identify and provide participants' case management service when we determine participants can benefit from a supportive staff or team

of staff intervention. Our bilingual staff will screen and assess the benefit of intervention efforts to participants' Bay fish consumption behavior for potentially healthier family- life outcomes. From our past SF Bay Fish project and our experience working with the community, we find that individuals who consume high level of contaminated fish caught from the Bay also have additional family needs related to behavior of high level of fish consumption. For example, limited income for food and other living expenses encourages community to eat Fish from the Bay or health issues and rely on eating fish for cultural healing, or family violence and fishing from the bay to escape dealing with problems at home. Although fishing can help people escape stress, for most API community members, they eat whatever they catch and without knowledge of fish consumption advisories; the fish they eat can be harmful in high level of consumption. The target for case management participants includes: Participants that consume moderate to high amounts of SF Bay Fish on a regular basis for at least the past year, or participants that eat highly contaminated species from San Francisco Bay, and or pregnant women and children who consume fish species with high contaminants. We will work with participants to develop and update an individualize plan of action and check in on their monthly Bay fish consumption tracking chart.

## 5. Timeline Template

### Year 1 (2018-2019)

Specific Tasks	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep
1. Identify information and project materials/resources	X												
2. Bay Fish Consumption Educational Workshops	X	X	X	X	X	X	X	X	X	X	X	X	
3. Case Management	X	X	X	X	X	X	X	X	X	X	X	X	
4. Community Forum and Project Assessment	X	X	X	X	X	X	X	X	X	X	X	X	
5. Project Reporting/Summary						X							X

## 6. Project Budget Form

Please provide the information requested in Attachment 1. Applicants do not need to use the form from Attachment 1 but should follow the general format.

Name of Organization: APA Family Support Services

Project Title: API San Francisco Bay Fish Education and Engagement Project

Requested Amount: \$25,000

<b>Personnel:</b>		<b>Requested</b>	<b>In-Kind Support</b>	<b>Total Project Amount</b>
Salaries and Wages				
Description:	Project Manager (\$213.75/mo x 4% FTE for 18)	\$2,565.00	\$7,695.00	\$10,260.00
	Case Manager (\$410.63/mo x 13% FTE for 12 mo.)	\$4927.50	\$7,391.25	\$12,318.75
<b>Total Personnel</b>		<b>\$7,492.50</b>	<b>\$15,086.26</b>	<b>\$22,578.75</b>
Consultant and Contract Services				
Community Meeting and Forum Participation	12 community forum x (\$20 x 2 hours)x 8 Community Liaisons	\$3,840		\$3,840
<b>Total Consultant and Contract Services</b>		<b>\$3,840</b>		<b>\$3,840</b>
Operating Expenses:				
Supplies/Materials/Printing		\$2,237.50		\$2,237.50
Equipment				
Travel				
Other: Educational Workshops (Food, Demonstration Space Usage Support)	\$160/mo x 48 Workshops)	\$7,680		\$7,680
<b>Total operating Expenses</b>		<b>\$9,917.50</b>		<b>\$9,917.50</b>
<b>Indirect Costs</b>		<b>\$3,750</b>		<b>\$3,750</b>
<b>Total Budget:</b>		<b>\$25,000</b>	<b>\$15,086.26</b>	<b>\$40,086.26</b>

## **8. Additional Attachments**

Non-profit organizations must include documentation of non-profit status such as an exemption letter from the U.S. Internal Revenue Service. (Please see attached)

Supporting materials, such as examples of educational materials or letters of support, may be included. Limit supporting materials to 5 pages.

# **Summary of Discussion at the NST Meeting with Water Board July 20, 2018**

## **General Comments on 2019 Watershed (WS) Permit**

- The Water Board (WB) has been taking the anti-degradation approach in lieu of the challenges associated with establishing WQ based limits.
- In the 2019 WS Permit the WB plans to establish annual load caps for each subembayment with the intent of placing the load caps as limits in the 2024 WS permit
- Subembayment boundaries would be based on scientific information related to nutrients
- Calculated caps for individual plants located within the subembayment will be the building blocks for each subembayment cap
- Caps will likely be based on nutrient load levels leading up to 2019 (i.e. current plant performance), this calculated amount will serve as the baseline
- The WB will add a “buffer” to the baseline to account for anticipated increase in loadings from plants between 2019 and 2024
- For discussion purposes, a “buffer” of roughly 20% added onto the 2019 current performance baseline load should be in the ball park range for establishing the 2024 load caps. A 10% buffer would get a plant within the statistical variability range and therefore is not too meaningful, but 20% should allow some degree of real load increase within the embayment.
- The sub-embayment load cap will be based on mass, similar to the mercury and PCB watershed permits. The WB will figure out the most appropriate basis (i.e. dry weather load, annual loads, other?) for the caps
- The intent is to establish caps for 2024 that are as generous as the WB can reasonably make them since there is currently no hard

evidence that the Bay cannot accept some increased loading and the WB wants to avoid unintended consequences

- The WB does not want to put plants in immediate compliance jeopardy in 2024

## **Expectations of Plants Once the 2019 Permit is Adopted**

- Having subembayment load caps identified in 2019 for the 2024 WS Permit will allow plants to begin planning now. If a plant has plans for reducing nutrients, let the WB know sooner rather than later.
- Regulatory certainty to avoid stranded assets can be provided to agencies who make improvements early on a case-by-case basis
- If a plant projects a 30% increase in their load within 5 yrs, they need to plan accordingly. If a plant opts to do nothing but their 30% load increase in combination with others' loads is below the subembayment load cap, everyone would be fine in the subembayment, however if the subembayment cap is exceeded, those who exceeds their portion of the cap will be liable for any regulatory penalties.
- A large discharger who also projects high growth would certainly be more vulnerable within a subembayment relative to a small discharger serving a built-out community.
- The WB suggests plants understand their growth projections and take that into account in their planning in order to prevent unintended consequences
- Potential compliance schedules could be developed in the WS Permit when appropriate (i.e. a plant commits to load reductions but needs regulatory protection during the completion of the project). For example, a plant has a plan but it will take 10 yrs to bring online and it results in better performance, then they may qualify for a regulatory shield. However, may require a projected schedule for optimizing in some way in the interim.
- The WB may consider building in a "time benefit" for projects that Have multiple benefits such as enhancing wetlands, mitigating Sea Level Rise, etc.
- It was suggested that funds be spent more evenly across the Bay, not just in Lower South Bay, so that good scientific information will be

available in 2024 to help inform the condition of all subembayments and their need for load caps.

## **General Comments on the 2024 WS Permit**

- Expectations are that by 2024 the embayment cap won't be exceeded, however an individual plant may have exceeded their individual cap
- The subembayment load caps may be altered by the WB in 2024 from what was assumed in 2019 or even not implemented, if the science program concludes either 1) there would likely be no adverse impacts to some subembayments if loads were slightly increased or 2) there is additional assimilative capacity throughout the Bay.
- Through modeling, the Bay can be assessed during the 2019 to 2024 period with the WB being informed on the ability of the Bay to accept increased nutrient loads in 2024. Any warning flags should be able to be raised in advance of 2024
- If an agency cannot meet its load cap in 2024, they may be eligible for a compliance schedule if they bring evidence to the Water Board that they are working in good faith on a project to reduce nutrient loads. This would be on a case-by-case basis.

## **Incentivizing Early Actions to Reduce Nutrients**

- Simple is better than complicated. The goal is to not to make the incentivizing too complicated than what it needs to be, but not too simple because it may create uncertainties and confusion.
- BACWA prefers a mass based (preferably banking) approach
- The WB was clear that they do not support banking credits for early action, or any banking concept
- Early actors to reduce nutrients loads would be able to use the difference between their current loads in 2024 and the WS Permit load caps for their own growth or potentially for trading
- The WS Permit would not explicitly spell out a framework for trading, but the "load cap" concept establishes a basis for trading that could be developed by POTWs to meet subembayment caps and reward early actors



- A question was raised as to what incentives would there be to undertake early actions if not much growth is anticipated? In other words, why do anything if you do not have to? The WB responded that collectively the strategy of undertaking early actions is in lieu of the WB taking the more conventional approach which establishes water quality objectives then translates them into treatment limits (i.e. concentration of nutrients in the bay).
- Would the WB accommodate alternative scenarios? If the alternative can provide a regional benefit (i.e. wetland enhancement, sea level rise protection, etc.), the WB will consider accounting for that in lieu of nutrient load reductions. The WB made it clear that they do not want to force actions with unintended consequences of high energy usage or increased greenhouse gas emission. A plant can put forward their individual scenario and commitment which the WB would consider unless an unexpected deterioration of water quality surfaces (i.e. the Bay goes belly up) in which case all bets are off.
- If a plant had a load reduction plan which may take 10 yrs to implement, the WB could adjust the compliance schedule because there are no procedural constraints now. The WB can build a regulatory shield as long as a long-term benefit to the Bay results.

## **Conducting a Regional Study on Non-greyscape Approaches to Reducing Nutrients**

- A concept was suggested wherein BACWA contributes financially to fund a Regional Study but would not be the lead entity responsible for completion of the study. As part of this concept, BACWA would commit to participate in helping to oversee the Study and would provide needed information such as agency plans for recycling
- SFEI voiced an interest in taking the lead on the Study and combining the effort with other on-going complimentary efforts being undertaken by SFEI
- The WB had no immediate objections to this approach and felt it could be quite beneficial due to SFEI being a storehouse of information on shoreline issues, resiliency, Sea Level Rise mitigation, etc
- SFEI should collaborate with BACWA to help frame how this approach would be set forth in the 2019 WS Permit.

## **Nutrient Strategy Team Meeting**

**August 17, 2018**

**SFPUC, Hetch Hetchy Room, 13<sup>th</sup> Floor**

**525 Golden Gate Ave., San Francisco, CA**

**12:30 pm – 3:00 pm**

(immediately following the BACWA Board Meeting)

1. Review of Discussion with the Water Board on  
Incentivizing Early Action at the July 20, 2018 Meeting
2. Conclusions from the July 20<sup>th</sup> Meeting
3. Options for Load Caps and Incentivizing Early Actions
4. Concepts for BACWA Participation in a Regional Study
5. Next Steps
6. Proposed Schedule to Meet the Timing of the Tentative  
Order

## **Planning Subcommittee Meeting No. 33**

**July 26, 2018**

**9:00 am – 12:00 am**

**Water Board Offices**

**Chair: Eric Dunlavey**

### **Meeting Summary**

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

The group received input on Science Plan priorities from Tom, Terry and Eric, in terms of prioritizing elements for the Science Plan. We plan on doing some follow up and presenting a final set of options/recommendations to the Steering Committee on Sep. 14, 2018 for feedback prior to developing a complete Science Plan draft by December.

In general, there seemed to be support for paring down the management questions to those involving condition assessment and establishment of protective loads, with the understanding the need for some mechanistic/exploratory studies, based on opportunity and stakeholder priorities. Here are some specifics:

- Limited attention is needed regarding deep subtidal DO levels and relationships, given generally consistent levels above 5 mg/L. Other management questions that are of lower priority is refining existing loads, since that has generally been established.
- Support the Water Board to develop site specific objectives for DO in the margins. No additional WQOs of eutrophication indicators are anticipated at this point.
- Advance the biogeochemistry elements of the model during the next Watershed Permit period to establish mechanistic linkages between nutrients/DO response sufficient to develop preliminary loads on a sub-embayment scale. Final loads may be revised during the 3rd Watershed Permit.
- Monitoring and trend-detection/reporting program should be advanced and integrated into an Assessment Framework that relies on numeric guidance to support narrative standards. EPA will be

consulted to inform the process. On-going trend program will result in a set of indicators and technical approach to trend detection.

- Physical models should be relied upon to test scenarios and risk assessments, in part to inform the Implementation Plan for SSOs of DO in the margins.
- Coastal studies should be undertaken but not a major priority for the next Permit cycle. Important for Central and North Bay management since a significant proportion of the load is going out the Gate.
- The monitoring program should include HAB toxins and abundance, but mechanistic studies should not be prioritized during next Permit cycle, given resources available and complicated nature of the questions involved.

# DRAFT

## Executive Board Special Meeting Agenda

SF Bay Regional Water Board / BACWA Executive Board Joint Meeting

August 23, 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
<b>1. Nutrients</b>		10:15
<ul style="list-style-type: none"> <li>a. Optimization and Upgrade Studies</li> <li>b. 2<sup>nd</sup> Watershed Permit</li> <li>c. Advance Funding to NMS</li> </ul>	<ul style="list-style-type: none"> <li>• Review completion of the optimization/upgrade studies and discuss the September Water Board Workshop</li> <li>• Feedback from July 20<sup>th</sup> Nutrient Strategy Team meeting and discussion of load caps, early actions, and options for completion of the Regional Study</li> <li>• Update on timing and contingency for advancing science funding during FY19</li> </ul>	
<b>2. Wetlands</b>	<ul style="list-style-type: none"> <li>• Outcome of the August 14 Water Board Wetlands Workshop</li> </ul>	10:50
<b>3. Selenium Objectives</b>	<ul style="list-style-type: none"> <li>• Impact of USGS report on timeframe for South Bay Selenium TMDL</li> </ul>	11:00
<b>3. Chlorine Residual BPA</b>	<ul style="list-style-type: none"> <li>• Update on progress from BACWA</li> </ul>	11:05
<b>4. Triennial Review</b>	<ul style="list-style-type: none"> <li>• Update on progress from Water Board</li> </ul>	11:15
<b>5. SSS WDR Language in NPDES Permits</b>	<ul style="list-style-type: none"> <li>• Discussion of BACWA's concern on language incorporating SSS WDR into NPDES permits</li> </ul>	11:20
<b>6. Recycled Water</b>	<ul style="list-style-type: none"> <li>• Discussion of Recycled Water Policy Update and the implications for Region 2</li> <li>• How to permit Recycled Water Satellite facilities</li> </ul>	11:35
<b>7. CECs update</b>	<ul style="list-style-type: none"> <li>• Review BACWA's POTW White Paper outline</li> </ul>	11:50

**ADJOURNMENT**

		<b>DRAFT PROGRAM FOR PRE-PARDEE SEMINAR</b>
		<b>September 21, 2018</b>
	<b><u>Time</u></b>	<b><u>Topic</u></b>
<b>Morning</b>	9:00 AM	<u>1st Watershed Permit Status</u>
		Review of Permit Requirements
		Group Annual Report
		Debrief on Workshop with Water Board staff
		Optimization/Upgrade Project Brochure
		Briefing to the Water Board Members
	10:00 AM	<u>2nd Watershed Permit Status</u>
		Review of Nutrient Surcharge
		Update on Load Caps Final with Respect to Incentivizing Early Actions
		Approach for the Regional Study
		Development of Draft Permit Language
		Consulting Effort and Need for Contract Management Group
	11:30 AM	<u>Chlorine Residual Basin Plan Amendment</u>
		Desired Outcome
		Progress on Scope of Work
		Strategize on Options for Reporting Level
<b>Lunch Break</b>	<b>12:15 PM</b>	
<b>Afternoon</b>	12:45 PM	<u>Air Issues</u>
		Review of Case Studies for the Jt Meeting with WB/BAAQMD
		Other AIR updates
		-Pilot Study Permitting
		-Discussion for Streamlining ATCs
		-Clean Air Plan
		-Update on Rule 11-18
		-Particulate Matter Regulation 6, Rule 1
		-Organic Waste Diversion
		Strategy Development for Future Interaction with BAAQMD on Key Issues
	2:25 PM	<u>Administrative Issues</u>
		Review of Classes of Membership and Fees
		Summary of Board Policies and Staff Procedures
	2:45 PM	Finalize Pardee Technical Seminar Agenda
<b>Adjourn</b>	3:00 PM	

Draft PROGRAM  
BACWA ANNUAL TECHNICAL SEMINAR  
October 25 - 26, 2018  
EBMUD Pardee Facility

<u>Day</u>	<u>Time</u>	<u>Theme</u>	<u>Attendees</u>	<u>Item</u>	<u>Topic</u>
Thur	8:30 AM		BACWA Members and Staff	<b><u>Breakfast</u></b>	
	9:15 AM	<b>BACWA Operational</b>		<b><u>Financial</u></b>	
				1	FY 19 Budget
				2	5 Year Plan
					-Assumptions for Future Dues/CBC/Nutrient Surcharges
				3	Consideration of Options for Modifying BACWA Reserve Policy
				4	Review of Collaborative Relationships
				5	Classes of Membership
				7	2019 Calendar
	10:45 AM	<b>Nutrients - 2nd Watershed Permit</b>		<b><u>Update and Discussion</u></b>	
				8	1st WS Permit Status and Schedule
					-the 4th Group Annual Report
					-Review of Optimization/Upgrade Brochure
				9	2nd WS Permit
					-draft Permit language for Incentivizing Early Actions
					-establishing a baseline in the 2nd WS Permit
					- draft Permit Language for the Regional Study
					-approach for completing Annual Reports
					-continuation of CMG
					-schedule
	Noon			<b><u>Lunch</u></b>	
	12:30 PM	<b>Nutrients - 2nd Watershed Permit (con't)</b>			
	1:30 PM	<b>Other Regulatory Issues</b>	Board/ED/Staff/Associates	<b><u>Update and Discussion</u></b>	
				10	AIR Issues Discussion
					-Brief Review of Air Issue from Pre-Pardee Discussion
					-Finalize Strategy for Future Engagement with BAAQMD
					-Final agenda for Joint Meeting with WB/BAAQMD
	2:30 PM			<b><u>Break</u></b>	
	3:00 PM			11	Other Regulatory Hot Topics (need to select key topics)
					-Biosolids Survey
					-Selenium
					permits
					-Ocean Protection Strategy and microplastics
					-PCB/Hg WS Permit Risk Reductiony

			-CEC White Paper -ELAP and TNI implementation
4:00 PM		12	Engaging the Water Board -summary of topics and positions
4:45 PM			WB/D. Senn Arrives <b><u>Break for Day</u></b>
6:30 PM			Board/ED/Staff/Associates /WB/D. Senn <b><u>Dinner</u></b>
Fri	Coordination with WB		BACWA Members/Staff/WB/David S./HDR <b><u>Breakfast</u></b>
8:00 AM			
8:30 AM			<b><u>Update and Discussion</u></b>
		13	Science Plan Key Updates and Issues -brief update on findings -update on Assessment Framework -Direction over coming years with increased funding
10:30 AM			<b><u>Break</u></b>
10:40 AM		14	1st Watershed Permit Compliance -Group Annual Report -Optimization/Upgrade brochure -Water Board Member briefing
12:00 PM			<b><u>Lunch</u></b>
12:20 PM		15	2nd WS Permit -Review of Key Tenets -Load Caps and Incentivizing Early Actions -Discussion of Permit Language -Approach and Permit Language for the Regional Study
1:20 PM		16	Chlorine Residual Basin Plan Amendment
1:45 PM		17	Review of the draft of the CEC White Paper
2:00 PM		18	<b><u>Other Technical/Regulatory Issues</u></b> -Progress on the Wetlands Policy Update -Selenium -Collection system requirements (i.e. I/I reduction to reduce blending, PSL, capital projects) in NPDES Permits -Expectations under the Revised Recycled Water Policy -Triennial Review update -Toxicity update on TNI implementation
2:45 PM			<b><u>Adjourn</u></b>



# 2018 Pardee Technical Workshop

		Invitees Category							Participant		Agency	Thursday				Friday	F	M
	Staff	Principal	Nutrient Neg Team	CMG	Other Key Assoc	Comm Leaders	Water Board	Consul tants/O thers		Confirme d		B	L	D	Rooms 24 MAX	B	L	
Principals		X	X						Amit Mutsuddy	1	San Jose	1	1	1	1	1	1	1
									Eric Dunlavey	1	San Jose Alternate	1	1	1	1	1	1	1
		X	X	X					Jackie Zipkin	1	EBDA	1	1	1	1	1	1	1
				X					Jason Warner	1	EBDA Alternate (Oro Loma)	1	1	1	1	1	1	1
		X	X						Eileen White	1	EBMUD	1	1	1	1	1	1	1
		X	X						Greg Norby	1	SFPUC	1	1	1	1	1	1	1
									TBD	1	SFPUC	1	1	1	1	1	1	
		X	X	X					Lori Schectel	1	CCCSD	1	1	1	1	1	1	1
				X					Jean-Marc Petit	1	CCCSD Alternate	1	1	1	1	1	1	1
BACWA	X								Dave Williams	1	BACWA	1	1	1	1	1	1	1
	X								Sherry Hull	1	BACWA	1	1	1	1	1	1	1
	X								Lorien Fono	1	BACWA	1	1	1	1	1	1	1
Committee Chairs			X			X			Leah Walker	1	Recycled Water (City of Petaluma)	1	1	1	1	1	1	1
RWQCB							X		Bruce Wolfe	1	RWQCB			1	1	1	1	1
							X		Tom Mumley	1	RWQCB			1	1	1	1	1
							X		Robert Schlipf	1	RWQCB			1	1	1	1	1
							X		Lisa McCann	1	RWQCB			1	1	1	1	1
Key Associates			X		X	X			Karin North	1	RMP, BAPPG, Associate Member - SELF	1	1	1	1	1	1	1
			X	X	X				Greg Baatrup	1	CMG (FFSD)	1	1	1	1	1	1	1
			X	X	X				Bhavani Yerrapotu	1	CMG (Sunnyvale)	1	1	1	1	1	1	1
			X		X				Vince De Lange	1	Delta Diablo	1	1	1	1	1	1	1
			X	X	X				Yuyun Shang	1	EBMUD Non-Alternate	1	1	1	1	1	1	1
			X		X				Sarah Scheidt	1	City of San Mateo	1	1	1	1	1	1	1
Others								X	Dave Senn	1	SFEI			1	1	1	1	1
									TOTAL	24		19	19	24	24	24	11	12

## **POTW Participation in CECs Studies**

### **Draft BACWA White Paper Outline**

#### **Background**

- Role of the RMP
- Description of RMP CECs program and Tiered Prioritization Framework

#### **POTW Participation in RMP CECs Program**

- Multi-year plan for Emerging Contaminants outlines schedule of studies in SF Bay
- POTWs voluntarily participate when RMP studies need wastewater samples
- BACWA provides assistance in ensuring that the RMP receives participation from a representative group of POTWs

#### **Benefits of CECs Program Management through RMP**

- CEC science and strategy planning happens under one umbrella and is directed by scientists and stakeholders
- CECs monitoring is tailored to the specific questions that need to be answered in the SF Bay to maximize use of limited funds
- All CECs monitoring data is properly QA/QC'd by the RMP science team

#### **POTWs funding RMP CECs Program**

- RMP dues
- Alternate Monitoring Requirements

#### **POTW Representation in RMP CECs Studies – Guide for selecting representative POTWS for study participation**

- Location by subembayment
- Source water – surface vs. groundwater, agricultural impacts?
- Type of Treatment, including secondary and disinfection
- Sludge Residence Time
- Average dry weather flow
- Flow to Bay
- Industrial users, number of the following:
  - Airports
  - Military Bases
  - Electroplating Facilities
  - Hospitals
  - Commercial Laundry
  - Pet Groomers (?)

#### **CEC Management in SF Bay – Next Steps**

- Regional Water Board works with BAPPG and RMP to consider management actions for moderate risk CECs
- BAPPG funds public outreach, professional outreach and training, and pesticides regulatory advocacy

## Sherry Hull

---

**From:** Sherry Hull  
**Sent:** Tuesday, August 14, 2018 2:10 PM  
**To:** Sherry Hull  
**Subject:** Revised TOs for SASM and Tiburon

**From:** Thorme, Melissa <[mthorme@DowneyBrand.com](mailto:mthorme@DowneyBrand.com)>  
**Sent:** Tuesday, August 14, 2018 9:01 AM  
**To:** David Williams <[dwilliams@bacwa.org](mailto:dwilliams@bacwa.org)>  
**Cc:** Carl Nelson ([CNelson@bpmnj.com](mailto:CNelson@bpmnj.com)) <[CNelson@bpmnj.com](mailto:CNelson@bpmnj.com)>; Lorien Fono <[lfono@bacwa.org](mailto:lfono@bacwa.org)>;  
[mgrushayev@cityofmillvalley.org](mailto:mgrushayev@cityofmillvalley.org)  
**Subject:** RE: revised TOs for SASM and Tiburon

Dave – Since the SASM and Tiburon permit were adopted last week without this needed change, it would be great if BACWA could advocate for a minor modification to all NPDES permits for POTWs in the region for a minor modification under 40 C.F.R. §122.63 (which does not require public comment) with the text added in red below for clarification:

The revised TOs are out for [SASM](#) and [Tiburon](#). Here's the language change in the main permits:

Collection System Management. The Discharger ~~is subject to the requirements of, and shall comply with, State Water Board Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, as amended by State Water Board Order No. WQ 2013-0058-EXEC and any subsequent order updating these requirements~~ shall properly operate and maintain its collection system (see Attachments D and G, section I.D), report any noncompliance with respect to its collection system (see Attachment D, section V.E.1, and Attachment G, sections V.E.1 and V.E.2), and mitigate any discharges in violation of this Order associated with its collection system (see Attachments D and G, section I.C). State Water Board Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, as amended by State Water Board Order No. WQ 2013-0058-EXEC, contains requirements for the operation and maintenance of collection systems and for reporting and mitigating sanitary Item 5A - Response to Comments Sanitary District No. 5 of Marin County Page 2 of 3 sewer overflows. While the Discharger must **separately** comply with both the statewide WDRs and this Order, the statewide WDRs more clearly and specifically stipulate requirements for the operation and maintenance and for reporting and mitigating sanitary sewer overflows. Implementing the requirements for the operation and maintenance and mitigation of sanitary sewer overflows set forth in the statewide WDRs (and any subsequent order updating these requirements) shall satisfy the corresponding federal NPDES requirements specified in Attachments D and G of this Order for the collection systems. Following the reporting requirements set forth in the statewide WDRs (and any subsequent order updating these requirements) shall satisfy the NPDES reporting

And in the Fact Sheets:

Collection System Management. The Discharger's collection system is part of the Facility regulated through this Order. This provision requires compliance with Attachments D and G and ~~states~~ **that these requirements may be satisfied by separately complying** with State Water Board Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, as amended by State Water Board Order No. WQ 2013-0058-EXEC and any subsequent order updating these requirements. These ~~State Water Board statewide~~ WDRs require public agencies that own or operate sanitary sewer systems with one or more miles of sewer lines to enroll for coverage and comply with requirements to develop sanitary sewer management plans and report sanitary sewer overflows, among other provisions and prohibitions. The ~~State Water Board statewide~~

WDRs contain requirements for the operation and maintenance of collection systems and for reporting and mitigating sanitary sewer overflows that are more extensive and, therefore, more stringent than the standard provisions in Attachments D and G. Compliance with the ~~State Water Board~~ statewide WDRs will satisfy the corresponding requirements in Attachments D and G.

Thank you. This is very important to try to avoid citizen suits claiming failure to comply with all of the requirements of SSO WDR. They have made this more difficult by seemingly binding them together. Let me know if you need anything further.

Melissa

---

**From:** David Williams [<mailto:dwilliams@bacwa.org>]  
**Sent:** Thursday, August 09, 2018 2:34 PM  
**To:** Thorme, Melissa  
**Cc:** Carl Nelson ([CNelson@bpmnj.com](mailto:CNelson@bpmnj.com)); Lorien Fono  
**Subject:** Re: revised TOs for SASM and Tiburon

We can request the word separately be inserted.

Sent from my iPad

On Aug 9, 2018, at 2:25 PM, Thorme, Melissa <[mthorme@DowneyBrand.com](mailto:mthorme@DowneyBrand.com)> wrote:

The language stills fails to say separate permits. If they could just insert the word “separately” before comply, that would solve the problem. They are making it so vague as to keep the litigation door open on this issue. They could do an errata adding that word if BACWA could request it!

Thanks!!

Melissa Thorme  
DOWNEY BRAND LLP  
[Mthorme@downeybrand.com](mailto:Mthorme@downeybrand.com)  
[\(916\) 520-5376](tel:(916)520-5376)  
[www.downeybrand.com](http://www.downeybrand.com)

On August 9, 2018 at 1:57:30 PM PDT, David Williams <[dwilliams@bacwa.org](mailto:dwilliams@bacwa.org)> wrote:

Carl, as I indicated in my previous email, BACWA brought the issues of specifically stating the SSS WDR was part of the NPDES permit to the attention of the Water Board. As a result, the WB revised language in two TOs that will be adopted at an upcoming WB meeting (see below). Although the language does not hit the nail clearly on the head, we feel it is much better since it no longer has specific language that states the SSS WDR is part of the permits and also certainly implies that the SSS WDR is a state regulation and if adhered to would meet the requirements for collection systems laid out in the NPDES permit.

*David R. Williams*

*Executive Director*

**Bay Area Clean Water Agencies (BACWA)**

**Cell: 925-765-9616**

**Email: [dwilliams@bacwa.org](mailto:dwilliams@bacwa.org)**

---

**From:** Lorien Fono

**Sent:** Friday, August 3, 2018 11:20 AM

**To:** David Williams <[dwilliams@bacwa.org](mailto:dwilliams@bacwa.org)>

**Cc:** Robert Wilson <[rwilson@ci.petaluma.ca.us](mailto:rwilson@ci.petaluma.ca.us)>; Engelage, Samantha  
<[Samantha.Engelage@CityofPaloAlto.org](mailto:Samantha.Engelage@CityofPaloAlto.org)>

**Subject:** revised TOs for SASM and Tiburon

The revised TOs are out for [SASM](#) and [Tiburon](#). Here's the language change in the main permits:

Collection System Management. The Discharger is ~~subject to the requirements of, and shall comply with, State Water Board Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, as amended by State Water Board Order No. WQ 2013-0058-EXEC and any subsequent order updating these requirements~~ shall properly operate and maintain its collection system (see Attachments D and G, section I.D), report any noncompliance with respect to its collection system (see Attachment D, section V.E.1, and Attachment G, sections V.E.1 and V.E.2), and mitigate any discharges in violation of this Order associated with its collection system (see Attachments D and G, section I.C). State Water Board Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, as amended by State Water Board Order No. WQ 2013-0058-EXEC, contains requirements for the operation and maintenance of collection systems and for reporting and mitigating sanitary Item 5A - Response to Comments Sanitary District No. 5 of Marin County Page 2 of 3 sewer overflows. While the Discharger must comply with both the statewide WDRs and this Order, the statewide WDRs more clearly and specifically stipulate requirements for the operation and maintenance and for reporting and mitigating sanitary sewer overflows. Implementing the requirements for the operation and maintenance and mitigation of sanitary sewer overflows set forth in the statewide WDRs (and any subsequent order updating these requirements) shall satisfy the corresponding federal NPDES requirements specified in Attachments D and G of this Order for the collection systems. Following the reporting requirements set forth in the statewide WDRs (and any subsequent order updating these requirements) shall satisfy the NPDES reporting

And in the Fact Sheets:

Collection System Management. The Discharger's collection system is part of the Facility regulated through this Order. This provision requires compliance with Attachments D and G and state that these requirements may be satisfied by complying with State Water Board Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, as amended by State Water Board Order No. WQ 2013-0058-EXEC and any subsequent order updating these requirements. These ~~State Water Board statewide~~ WDRs require public agencies that own or operate sanitary sewer systems with one or more miles of sewer lines to enroll for coverage and comply with requirements to develop sanitary sewer management plans and report sanitary sewer

overflows, among other provisions and prohibitions. The ~~State Water Board~~ statewide WDRs contain requirements for the operation and maintenance of collection systems and for reporting and mitigating sanitary sewer overflows that are more extensive and, therefore, more stringent than the standard provisions in Attachments D and G. Compliance with the ~~State Water Board~~ statewide WDRs will satisfy the corresponding requirements in Attachments D and G.

Lorien Fono

Regulatory Program Manager

Bay Area Clean Water Agencies

510-684-2993

[bacwa.org](http://bacwa.org)

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## Sherry Hull

---

**From:** Sherry Hull  
**Sent:** Tuesday, July 17, 2018 3:57 PM  
**To:** Sherry Hull  
**Subject:** MEETING NOTICE: Invitation to Participate - Stakeholders Task Force for the CWRMP  
**Attachments:** 73118 TF Letter (GH).pdf; Rosters 07.05.18 dho.pdf

---

**From:** Hossein Ashktorab [<mailto:HAshktorab@valleywater.org>]  
**Sent:** Thursday, July 5, 2018 5:45 PM  
**Cc:** Debra Osikominu; Garth Hall  
**Subject:** MEETING NOTICE: Invitation to Participate - Stakeholders Task Force for the CWRMP

### SENT ON BEHALF OF GARTH HALL

Dear Prospective Stakeholder Task Force Members:

The Santa Clara Valley Water District is working with the county's producers of treated wastewater, the cities and water distribution companies in the county, and other agencies to develop a Countywide Water Reuse Master Plan (CWRMP) to improve our region's water supply reliability through expanding water reuse. South Bay Water Recycling, Palo Alto/Mountain View, Sunnyvale, and South County Regional Wastewater Authority have joined forces with the District as Partner Agencies to leverage existing facilities and consider new projects to expand non-potable reuse and develop potable reuse.


Stakeholder engagement is an important element of the development of the CWRMP, and the Partner Agencies are convening a Stakeholder Task Force to provide an opportunity for stakeholders to participate in meaningful engagement as the CWRMP takes shape and provide feedback at key milestones. The Partner Agencies would like to invite a representative from your organization to participate in the Stakeholder Task Force. Attached are the Stakeholder Task Force approach and the list of organizations invited to participate.

The meeting will be held July 31, 2018 from 9:00 to noon at our Headquarters Boardroom, 5700 Almaden Expressway. A Coffee Social/Networking time will be held from 8:30 – 9:00 a.m. Three subsequent Task Force workshops will be held to solicit feedback and comments on feasible alternatives and the Draft CWRMP. The subsequent workshops will be scheduled from Fall 2018 through Summer 2019, and the Final CWRMP is scheduled for completion in July 2019.

We appreciate your consideration and hope your organization will accept the invitation to participate in the Task Force. Luis Jaimes, the Project Manager leading this effort, is currently on vacation for the month of July. Please RSVP by July 20th to Miguel Silva at (408) 630-2532 or [msilva@valleywater.org](mailto:msilva@valleywater.org), whom you may contact to answer any questions.

Sincerely,

Garth Hall  
Deputy Operating Officer, Water Supply Division

 **Santa Clara Valley  
Water District**

HOSSEIN ASHKTORAB, PH.D.  
MANAGER, RECYCLED & PURIFIED WATER  
PROGRAM  
Water Supply Division  
Santa Clara Valley Water District  
(408) 630-2291  
[hashktorab@valleywater.org](mailto:hashktorab@valleywater.org)  
*Recycled Water...*  
*Purifying water for a sustainable tomorrow*



July 6, 2018

Prospective Stakeholder Task Force Members

Subject: Invitation to Participate in Stakeholder Task Force for the Countywide Water Reuse Master Plan

Dear Prospective Stakeholder Task Force Members:

The Santa Clara Valley Water District is working with the county's producers of treated wastewater, the cities and water distribution companies in the county, and other agencies to develop a Countywide Water Reuse Master Plan (CWRMP) to improve our region's water supply reliability through expanding water reuse. South Bay Water Recycling, Palo Alto/Mountain View, Sunnyvale, and South County Regional Wastewater Authority have joined forces with the District as Partner Agencies to leverage existing facilities and consider new projects to expand non-potable reuse and develop potable reuse.

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We appreciate your consideration and hope your organization will accept the invitation to participate in the Task Force. Luis Jaimes, the Project Manager leading this effort, is currently on vacation for the month of July. Please RSVP by July 20<sup>th</sup> to Miguel Silva at (408) 630-2532 or [msilva@valleywater.org](mailto:msilva@valleywater.org), whom you may contact to answer any questions.

Sincerely,



Garth Hall  
Deputy Operating Officer, Water Supply Division

bc:ms  
Attachment

# SCVWD CWRMP - Potential Stakeholder Task Force Invitees

Updated: July 5, 2018

Org Type	Organization	Location	Name	Email	Title	Involvement in Similar Forums		
						District workshops		BARR Drought Task
Non-Utilities								
Business	Sustainable Silicon Valley	Santa Clara	Cindy Clark	<a href="mailto:cclark@sustainablesv.org">cclark@sustainablesv.org</a>	Senior Water Director		x	
	Joint Venture Silicon Valley	San Jose	Kara Gross	<a href="mailto:gross@jointventure.org">gross@jointventure.org</a>	Exec. Director, SV Econ. Dev. Alliance			x
	Silicon Valley Leadership Group	San Jose	Carl Guardino	<a href="mailto:cguardino@svlg.org">cguardino@svlg.org</a>	President and CEO			x
Chambers of Commerce	Bay Area Council	San Francisco	Adrian Covert	<a href="mailto:acovert@bayareacouncil.org">acovert@bayareacouncil.org</a>	Policy Director			x
	Gilroy Chamber of Commerce	Gilroy	Mark Turner	<a href="mailto:mturner@gilroy.org">mturner@gilroy.org</a>	President/CEO			
	Morgan Hill Chamber of Commerce	Morgan Hill	John Horner	<a href="mailto:john@morganhill.org">john@morganhill.org</a>	President and CEO			
	Silicon Valley Organization	San Jose	Matthew Mahood	<a href="mailto:matthewmahood@thesvo.com">matthewmahood@thesvo.com</a>	President and CEO			
	Palo Alto Chamber of Commerce	Palo Alto	Judy Kleinberg	<a href="mailto:judy@palochamber.com">judy@palochamber.com</a>	President and CEO			
	Santa Clara Chamber of Commerce	Santa Clara	Nick Kaspar	<a href="mailto:nick.kaspar@santaclara.org">nick.kaspar@santaclara.org</a>	President and CEO			
Planning	Sunnyvale Chamber of Commerce	Sunnyvale	Don Eagleston	<a href="mailto:deagleston@svcoc.org">deagleston@svcoc.org</a>	President and CEO			
	ABAG (Assoc. of Bay Area Governments)	San Francisco	Michael Germeraad	<a href="mailto:mgermeraad@bayareametro.gov">mgermeraad@bayareametro.gov</a>	Resilience Planner			x
Public Policy	Bay Area Regional Collaborative	Oakland	Allison Brooks	<a href="mailto:abrooks@bayareametro.gov">abrooks@bayareametro.gov</a>	Executive Director			x
	Stanford University, Water in the West	Palo Alto	Newsha Ajami	<a href="mailto:newsha@stanford.edu">newsha@stanford.edu</a>	Director of Urban Water Policy			x
Environmental	SPUR	San Jose	Teresa Alvarado	<a href="mailto:talvarado@spur.org">talvarado@spur.org</a>	Sustainable Development Policy Director			x
	Citizens Committee to Complete the City Refuge	Palo Alto	Eileen McLaughlin	<a href="mailto:wildlifestewards@aol.com">wildlifestewards@aol.com</a>	Board Member, CCCR		x	
	Sierra Club, Loma Prieta Chapter	San Jose	Katja Irvin	<a href="mailto:katja.irvin@sbcglobal.net">katja.irvin@sbcglobal.net</a>	Water Committee Chair		x	x
	Natural Resources Defense Council (NRDC)	San Francisco	Kate Poole	<a href="mailto:kpoole@nrdc.org">kpoole@nrdc.org</a>	Senior Attorney, Water and Wildlife Project Director, Water Program			x
	The Nature Conservancy	Sacramento	Jay Ziegler	<a href="mailto:jay_ziegler@tnc.org">jay_ziegler@tnc.org</a>	Director of External Affairs & Policy			x
	Tuolumne River Trust	San Francisco	Peter Drekeimer	<a href="mailto:peter@tuolumne.org">peter@tuolumne.org</a>	Policy Director		x	x
	Sunnyvale Cool Cities	Sunnyvale	Barbara Fukumoto	<a href="mailto:barbf53@aol.com">barbf53@aol.com</a>	Director			
	Canopy	Palo Alto	Catherine Martineau	<a href="mailto:catherine@canopy.org">catherine@canopy.org</a>	Executive Director			
Environmental Justice (EJ)	California Sportfishing Protection Alliance	Berkeley	Chris Shutes	<a href="mailto:cshutes@calsport.org">cshutes@calsport.org</a>	Water Rights Advocate			x
	Environmental Justice Coalition for Water	Sacramento	Colin Bailey	<a href="mailto:Colin@ejcw.org">Colin@ejcw.org</a>	Executive Director			x
Medical community	Santa Clara County Medical Association	San Jose	Cindy Russell, MD	<a href="mailto:cindyleerussell@gmail.com">cindyleerussell@gmail.com</a>	Chair of Environmental Health Committee			
Diversity	AACI	San Jose	Sarita Kohli	<a href="mailto:sarita.kohli@aacj.org">sarita.kohli@aacj.org</a>	Executive Director and CEO			
	La Raza Roundtable	San Jose	Victor Garza	<a href="mailto:Meet@LaRazaRoundTable.org">Meet@LaRazaRoundTable.org</a>	Chair			
	Silicon Valley/San Jose NAACP	San Jose	Rev. Jethroe Moore II	<a href="mailto:Moore2j@att.net">Moore2j@att.net</a>	President			
Stormwater	Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP)	San Jose	Jill Bicknell	<a href="mailto:jbicknell@eoainc.com">jbicknell@eoainc.com</a>	Assistant Program Manager			x
Groundwater			Ester Nigenda	<a href="mailto:enigenda@yahoo.com">enigenda@yahoo.com</a>				
	Save Palo Alto Groundwater	Palo Alto	Keith Bennett	<a href="mailto:kbennett@hamamatsu.com">kbennett@hamamatsu.com</a>				
Utilities*								
Retailer - SBWR, SCVWD	City of Milpitas		Tony Ndah	<a href="mailto:tndah@ci.milpitas.ca.gov">tndah@ci.milpitas.ca.gov</a>	Deputy Public Works Director			
	Gary Welling			<a href="mailto:gwelling@santaclaraca.gov">gwelling@santaclaraca.gov</a>	Director of Water & Sewer Facilities			
	City of Santa Clara		Mike Vasquez	<a href="mailto:mvasquez@santaclaraca.gov">mvasquez@santaclaraca.gov</a>	Compliance Manager			
	Bill Tuttle			<a href="mailto:bill.tuttle@sjwater.com">bill.tuttle@sjwater.com</a>	Civil Engineer			
Retailer - SCVWD	San José Water Company		Craig Giordano	<a href="mailto:craig_giordano@sjwater.com">craig_giordano@sjwater.com</a>	Vice President – Engineering	x	x	
	California Water Service Company**		Ron Richardson	<a href="mailto:rrichardson@calwater.com">rrichardson@calwater.com</a>	District Manager, Los Altos Service Area			
	City of Cupertino		Chad Mosley	<a href="mailto:chadm@cupertino.org">chadm@cupertino.org</a>	Senior Civil Engineer	x	x	
	City of Mountain View		Gregg Hosfeldt	<a href="mailto:gregg.hosfeldt@mountainview.gov">gregg.hosfeldt@mountainview.gov</a>	Assistant Public Works Director			
	Great Oaks Water Company		Tim Guster	<a href="mailto:tguster@greatoakswater.com">tguster@greatoakswater.com</a>	General Counsel	x		
	Purissima Hills Water District		Patrick Walter	<a href="mailto:pwalter@purissimawater.org">pwalter@purissimawater.org</a>	GM			
	Stanford University, Utilities Division		Tom Zigterman	<a href="mailto:twz@stanford.edu">twz@stanford.edu</a>	Water Resources & Infrastructure Director			
Wholesaler - Water	SFPUC**		Steve Ritchie	<a href="mailto:sritchie@swater.org">sritchie@swater.org</a>	AGM, Water Enterprise			
	Paula Kehoe			<a href="mailto:pkehoe@swater.org">pkehoe@swater.org</a>	Director, Water Resources			
	BAWSCA**		Nicole Sandkulla	<a href="mailto:nsandkulla@bawscs.org">nsandkulla@bawscs.org</a>	CEO and GM			
	Tom Francis			<a href="mailto:tfrancis@bawscs.org">tfrancis@bawscs.org</a>	Water Resources Manager			
	Silicon Valley Clean Water**		Eric Hansen	<a href="mailto:ehansen@svcw.org">ehansen@svcw.org</a>	Senior Civil Engineer			
Assistant Public Works Director	Bay Area Clean Water Agencies		Roger Bailey	<a href="mailto:rbailey@centralsan.org">rbailey@centralsan.org</a>	GM (Central San)			
			Jacqueline Zipkin	<a href="mailto:jzipkin@ebda.org">jzipkin@ebda.org</a>	GM (EBDA)			x
			Vince De Lange	<a href="mailto:vinced@deltadiablo.org">vinced@deltadiablo.org</a>	GM (DDSD)			
	Western Recycled Water Coalition		Angela Lowrey	<a href="mailto:angelal@deltadiablo.org">angelal@deltadiablo.org</a>	Public Information Manager (DDSD)			
			Jayne Strommer	<a href="mailto:jaynes@deltadiablo.org">jaynes@deltadiablo.org</a>	Government Relations Manager (DDSD)			
PPG								
Agency/ Company	Phone		Name	Email	Role			

# SCVWD CWRMP - Potential Stakeholder Task Force Invitees

Updated: July 5, 2018

Org Type	Organization	Location	Name	Email	Title	Involvement in Similar Forums		
						District workshops		BARR Drought Task
Santa Clara Valley Water District	(408) 630-2576		Luis Jaimes	<a href="mailto:ljaimes@valleywater.org">ljaimes@valleywater.org</a>	Lead			
	(408) 630-2532		Miguel Silva	<a href="mailto:msilva@valleywater.org">msilva@valleywater.org</a>	Alternate			
City of San Jose (SBWR)	(408) 794-6780		Henry W. Louie	<a href="mailto:Henry.Louie@sanjoseca.gov">Henry.Louie@sanjoseca.gov</a>	Lead			
	(408) 277-3671		Jeff Provenzano	<a href="mailto:Jeffrey.Provenzano@sanjoseca.gov">Jeffrey.Provenzano@sanjoseca.gov</a>	Alternate			
	(408) 535-8550		Kerrie Romanow	<a href="mailto:kerrie.romanow@sanjoseca.gov">kerrie.romanow@sanjoseca.gov</a>	Alternate			
Sunnyvale	(408) 730-7578		Mansour Nasser	<a href="mailto:MNasser@sunnyvale.ca.gov">MNasser@sunnyvale.ca.gov</a>	Lead			
	(408) 730-7785		Ramana Chinnakotla	<a href="mailto:rchinnakotla@sunnyvale.ca.gov">rchinnakotla@sunnyvale.ca.gov</a>	Alternate			
Palo Alto	(650) 496-6951		Phil Bobel	<a href="mailto:Phil.Bobel@CityofPaloAlto.org">Phil.Bobel@CityofPaloAlto.org</a>	Lead			
	(650) 329-2104		Karin North	<a href="mailto:Karin.North@cityofpaloalto.org">Karin.North@cityofpaloalto.org</a>	Alternate			
SCWRA	(408) 846-0260		Saeid Vaziry	<a href="mailto:Saeid.Vaziry@ci.gilroy.ca.us">Saeid.Vaziry@ci.gilroy.ca.us</a>	Lead			
	(408) 310-4166		Dan Repp	<a href="mailto:dan.repp@morganhill.ca.gov">dan.repp@morganhill.ca.gov</a>	Lead			
	(408) 846-0492		Girum Awoke	<a href="mailto:Girum.Awoke@ci.gilroy.ca.us">Girum.Awoke@ci.gilroy.ca.us</a>	Alternate			
*Partner Agencies, listed separately as PPG/ELG members, will be invited to participate in Stakeholder TF workshops. **Involved in the Mid-Peninsula Potable Reuse Exploratory Plan (PREP) partnership.								
<b>Legend</b> Light blue shading = local South Bay non-utility stakeholders Red font = added after the District's most recent review; to be confirmed								

## Sherry Hull

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**From:** Sherry Hull  
**Sent:** Tuesday, August 14, 2018 3:14 PM  
**To:** Sherry Hull  
**Subject:** Water Reuse Master Plan

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**From:** Roger Bailey [<mailto:rbailey@centralsan.org>]  
**Sent:** Tuesday, July 31, 2018 12:22 PM  
**To:** David R. Williams <[dwilliams@bacwa.org](mailto:dwilliams@bacwa.org)>; Pagano, Laura <[LPagano@sfwater.org](mailto:LPagano@sfwater.org)>; Melody LaBella <[MLaBella@centralsan.org](mailto:MLaBella@centralsan.org)>; Jean-Marc Petit <[jmpetit@centralsan.org](mailto:jmpetit@centralsan.org)>  
**Subject:** Santa Clara Valley Water District: Stakeholder Task Force - Countywide Water Reuse Master Plan, First Meeting: 07-31-2018

Laura/ Dave/ Melody,

Below is a copy of my notes from today's Task Force meeting. I have not had a chance to QA/QC, so they may not all make sense. In the essence of time, I thought I would just send these right now, notwithstanding any typos or legibility.

Thanks

Roger

1. Introduction
  - o Countywide Water Reuse Master Plan
  - o The right balance between traditional recycled water and the new concepts of recycled water (purified water - indirect potable reused/ direct potable reused
  - o Understanding the right balance for the County
  - o How do they (the County) move forward
2. Make up of the Group:
  - o A diverse stakeholder group of: environmental, social, governmental agencies, Academia, private water companies, Chamber of Commerce and consultants
3. **Meeting Agenda:**
  - o Welcome and introductions
    - Master Plan project team and partner agencies
    - Task Force members perspectives
    - Master Plan objectives, schedule, and engagement process, and TF guidelines
  - o Break
  - o Setting the context for the Master Plan - existing systems/ facilities and types of countywide strategies to expand reuse
  - o Wrap-up and next steps
4. What is your interest in the use of recycled water in Santa Clara County (Stakeholders perspectives)
  - o Morgan Hill Chambers of commerce - Water sustainability and net zero import of water.
  - o Optimizing the use of all water ( the water)
  - o Interest in recycled water, use of non-potable reuse

- Environmental benefits for water reused
  - Enhancing Water supply reliability
  - Ensure the resiliency of water reused here in Santa Clara County
  - Interest in the restoration of wild life refuge and reduce impact to the Bay
  - To better serve the agricultural community
  - Interested in increased reliability
  - San Jose Water Company - To make sure there is proper water supply for customers.
  - Recognition of the importance of the shallow aquifer level and the impact of pumping. It can be an opportunity of distribution of recycle water for aquifer recharge
  - Recycled water is local and
  - San Jose Water - interested in water supply sustainability and the ability to make a small profit
  - ABAG - interested on how it would work regionally
  - City of Mountainview - interested in how the recycled water fits in the
  - Groundwater protection
5. Overview of the Master Plan Project Objectives
    - Identify sources and amounts of water available for reuse
    - determine NPR and PR split
    - Evaluate the governance roles and responsibilities and provide recommendations
    - Evaluate potential regional integration'Conduct stakeholder engagement
  6. Project Context
    - Identify the key components
    - Master Plan Framework
      - Governance
      - Water Quality and Quantity
      - Regional Planning and Integration
      - Infrastructure asset and Land
      - Water Treatment
      - Economics and funding
      - Stakeholder Engagement
      - Environmental, Permitting, Regulations and RO Conc Mgmt
      - Public Perception
      - Schedule and Coordination
  7. Project Schedule
    - Plan is ambitious
    - By July 2019, they hope to issue the final report on the Master Plan
  8. Want to hear all of the different perspectives
    - Looking for active engagement
    -
  9. What are the commitment and expectations
    - They will endeavor to get all perspectives
    - Meaningful engagement
    - they will provide Information to the task force in a timely manner
    - the focus is on being collaborative with everyone
  10. What are they asking Task Force participants to commit to:
    - Consistent attendance to the meetings - have a delegated alternate just in case one cannot attend
    - There are four meetings, each three hours.
    - Provide open and candid feedback - they want our full view and want to make sure our perspectives are heard
    - Commit to a willingness to achieve a common ground - may not always agree but need to sort it out professionally and respectfully

#### 11. Integrating existing systems in the County

- Augmenting reuse through alternative strategies
- Determining where the water should be used. Some agencies (ex San Jose, Santa Clara and the tributary agencies) may have a preference for where their wastewater/ recycled water is used, with preference given for their jurisdictional boundaries for their customers/citizens benefits
- Understanding where (in terms of type of infrastructure) to invest limited resources (purple pipe, IPR treatment, DPR, etc)
- Understanding the demand and water quality requirement for types of use so that systems can be design and customized to meet the various demand.
- Where are the big opportunities for decentralized systems - where you have big customers and responsible people in charge of these potential systems
- Group projects into portfolios, which would include the different water quality and quantity and an understanding of ease of implementation and integration.
- The Environmental Community concerns - Water quality, the amount of water, how it's managed - where it's delivered how it's is delivered.
- Need to understand the impact of diverting effluent flows from the Bay, and the impact any mitigation efforts may have on the actual quantity of supply for recycled water

#### 12. Near Term Next Steps

- Upcoming Stakeholders workshop
    - Fall 2018
    - Spring 2019
    - June/ July 2019
  - Continue work product development
    - Baseline analysis ( reuse supply volume available)
    - Conceptual alternatives
    - Preliminary draft Master Plan
-

## Sherry Hull

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**From:** Sherry Hull  
**Sent:** Tuesday, August 14, 2018 1:49 PM  
**To:** Sherry Hull  
**Subject:** CASA SSS WDR Redlines  
**Attachments:** Final WDR Redlines (CASA).docx; Final MRP - Redlines (CASA).docx; Other SSS WDR Issues for Discussion.docx

**From:** Adam Link [<mailto:alink@casaweb.org>]  
**Sent:** Tuesday, August 14, 2018 12:58 PM  
**To:** Adam Link via Collectionwg <[collectionwg@lists.casaweb.org](mailto:collectionwg@lists.casaweb.org)>; [LFrigo@ocsd.com](mailto:LFrigo@ocsd.com); [nsma1@lacs.d.org](mailto:nsma1@lacs.d.org); [ryoshida@lacs.d.org](mailto:ryoshida@lacs.d.org); [NMunakata@lacs.d.org](mailto:NMunakata@lacs.d.org); [Marissa.Flores@sbmwd.org](mailto:Marissa.Flores@sbmwd.org); [ngranquist@DowneyBrand.com](mailto:ngranquist@DowneyBrand.com); [mthorme@DowneyBrand.com](mailto:mthorme@DowneyBrand.com); [javiera@emwd.org](mailto:javiera@emwd.org); [RyJackson@sfwater.org](mailto:RyJackson@sfwater.org); [matthew.bequette@lacity.org](mailto:matthew.bequette@lacity.org); [jwestfall@lacs.d.org](mailto:jwestfall@lacs.d.org); [NSma1@lacs.d.org](mailto:NSma1@lacs.d.org); David Williams <[dwilliams@bacwa.org](mailto:dwilliams@bacwa.org)>; Lorien Fono <[lfono@bacwa.org](mailto:lfono@bacwa.org)>; Steve Jepsen <[sjepsen@dudek.com](mailto:sjepsen@dudek.com)>; Haney, Lisa <[LHaney@OCSD.COM](mailto:LHaney@OCSD.COM)>; Pagano, Laura <[LPagano@sfwater.org](mailto:LPagano@sfwater.org)>; Franklin. Rebecca <[FranklinRe@sacsewer.com](mailto:FranklinRe@sacsewer.com)>; [eoofficer@cvcwa.org](mailto:eoofficer@cvcwa.org)  
**Subject:** Final Draft SSS WDR and MRP Redlines for Tomorrow

CASA SSS WDR Group,

Please find attached the final draft of the final SSS WDR redlines in anticipation of our call tomorrow, **August 15<sup>th</sup> from 10:00 – 11:00**. Also attached is a short list of issues that were raised by various reviewers, but may not be specifically in the redlines yet as I want to discuss them with the group. Thanks to all of those who provided feedback. The plan for tomorrow is to go through the WDR and MRP and make sure everyone is OK with everything in there, and that we did not miss any big changes. The hope is to finalize the documents by the end of the week, then transmit them to SWRCB staff by the end of this month. Look forward to talking to everyone tomorrow.

- Adam

Adam D. Link  
Director of Operations  
California Association of Sanitation Agencies  
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916.947.2900 (mobile)  
*Ensuring Clean Water for California*  
[www.casaweb.org](http://www.casaweb.org)



### Other SSS WDR Issues for Discussion

- Whether to report only spills that reach waters of the US, regardless of size (OLSD)
- Collection system certification and Grade V operator certificate (CWEA)
- Split of Section (4)(c) into Section 8 and other FOG related comment (Paul/Andy)
- Question as to whether we can certify every 6 years and not every three (updates instead of audits), on Page 14 (San Diego / Multiple)
- Timeline for engagement of NGOs and responding to their priorities (All)



## Annual BACWA AIR Committee-BAAQMD Meeting Agenda

**Date:** August 6, 2018

**Time:** 10 AM - 2 PM

**Location:** BAAQMD Headquarters - 375 Beale Street, San Francisco, CA 94105

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- 1) 10:00 - 10:15**      **Welcome & Introductions**
- 2) 10:15 - 10:30**      **Issues Overview** - BACWA to summarize local and state air quality goals that are impacting municipal WWTP operations to provide context for discussions.
- 3) 10:30 - 11:30**      **Basin-Wide Methane Strategy Update (Presenter: Idania Zamora)**
  - a) Significant Methane Releases (New Rule 13-1)  
How is the information BACWA provided on digester cleaning be used?  
What is the latest schedule for rule development?
  - b) Organic Material Handling (New Rule 13-2)  
What is the scope of this new rule and schedule for development?  
How do you see municipal WWTPs being impacted by this new rule?
  - c) Composting Operations (New Rule 13-3)  
What is the scope of this new rule and schedule for development?  
How do you see municipal WWTPs being impacted by this new rule?
- 4) 11:30 – 12:00**      **Lunch**
- 5) 12:00 - 12:30**      **Rule 11-18: Reduction of Risk from Air Toxic Emissions at Existing Facilities  
Health Risk Screening & Assessments Update**
  - a) **BAAQMD Presenter: Carol Allen** - where we are at in the "flow diagram," data collection, and what actions can BACWA members expect to take next?
  - b) **BACWA members** (CCCSD) to provide a brief summary update on their efforts and costs, and (SFPUC) on practical issues related to implementation of large CIP projects already underway.
- 6) 12:30 – 12:45**      **Technology Implementation Loan Program (Presenter: Derrick Tang)**  
Update from BAAQMD on TIO's loan program for technology to reduce GHGs.
- 7) 12:45 - 1:15**      **AB 617 Implementation Update (Presenters: Victor Douglas/David Joe)**  
What is BAAQMD's involvement in the regulation development process to date?  
BACWA members will summarize issues potential issues of concern.
- 8) 1:15 - 1:45**      **Standard Permit Conditions and Temporary Pilot Test Projects  
(Presenter: Alfonso Borja)**
  - a) BACWA member (Petaluma) to present an example where standard conditions would be beneficial.
  - b) Opportunity in development of New Rules under Regulation 13?
- 9) 1:45 - 2:00**      **Closing**

## Sherry Hull

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**From:** Sherry Hull  
**Sent:** Tuesday, August 14, 2018 1:31 PM  
**To:** Sherry Hull  
**Subject:** Toxicity Litigation Update

**From:** Thorme, Melissa [<mailto:mthorme@DowneyBrand.com>]  
**Sent:** Tuesday, August 14, 2018 1:16 PM  
**To:** 'Kim, Chi Soo (USACAE)' <[Chi.Soo.Kim@usdoj.gov](mailto:Chi.Soo.Kim@usdoj.gov)>  
**Cc:** 'eric.dunlavey@sanjoseca.gov' <[eric.dunlavey@sanjoseca.gov](mailto:eric.dunlavey@sanjoseca.gov)>; Steve Jepsen ([sjepsen@dudek.com](mailto:sjepsen@dudek.com)) <[sjepsen@dudek.com](mailto:sjepsen@dudek.com)>; Debbie Webster ([eofficer@cvcwa.org](mailto:eofficer@cvcwa.org)) <[eofficer@cvcwa.org](mailto:eofficer@cvcwa.org)>  
**Subject:** RE: SCAP II - Plaintiffs' Request for RA Settlement Meeting

Chi Soo – Representatives from each of the plaintiffs will be in attendance, along with myself. It should not be more than 7 people (and probably less). I will send the whole list of attendees as we get closer next month, and ask that you provide us a similar list of EPA representatives that will be attending in person or on the phone.

Thank you for arranging this meeting,

Melissa

Melissa A. Thorme

**DOWNEY BRAND**  
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**From:** Kim, Chi Soo (USACAE) [<mailto:Chi.Soo.Kim@usdoj.gov>]  
**Sent:** Friday, August 03, 2018 12:37 PM  
**To:** Thorme, Melissa  
**Subject:** RE: SCAP II - Plaintiffs' Request for RA Settlement Meeting

Dear Melissa,

Would September 11 from 11:00 am – 12:00 pm work for Plaintiffs for the listening session with representatives for the Regional Administrator (including counsel for EPA), which would be held at EPA's offices in San Francisco? Representatives from EPA headquarters will participate by telephone. At this time, EPA is not prepared to schedule a settlement meeting. Please let me know if there are any changes to the list of meeting participants Plaintiffs previously provided.

Plaintiffs' request for a briefing extension has been resolved with the stipulated order just filed by the Court.

I look forward to seeing you in person in September.

Regards,

**CONFIDENTIALITY NOTICE:** This communication and any accompanying document(s) are confidential and privileged. They are intended for the sole use of the addressee. If you receive this transmission in error, you are advised that any disclosure, copying, distribution, or the taking of any action in reliance upon the communication is strictly prohibited. Moreover, any such inadvertent disclosure shall not compromise or waive the attorney-client privilege as to this communication or otherwise. **If you have received this communication in error**, please contact our IS Department at its Internet email address ([is@downeybrand.com](mailto:is@downeybrand.com)), or by telephone at (916)444-1000 x5325. Thank you.

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## **Wetlands discussion topics proposed by the Regional Water Board**

(written comment due Sept 14)

- **New Issues since 94-086 Policy adopted**

- Nutrients – incentivize load reductions
- CECs – engineered wetlands demonstrate removal capabilities

- **Revise Policy?**

- Update based on current practices
  - Identify shoreline adaptation as benefit
  - Incentivize/encourage engineered wetlands
  - Provide credits for nutrient reduction for non-treatment wetlands
- Is there need to develop near-shore permitting strategies? - Clarify application of mixing zones in wetlands?
  - Update definition of equivalent protection?
  - Update definition of reclamation exception?
  - Provide guidance on level of treatment for different classes of wetlands?
- **Define enhancement – e.g., adding freshwater?**
    - Other Issues to be addressed
    - Governance
    - Long-term maintenance
    - Performance standards
  - Role of Management Plan
  - Other Regulatory Concerns?

## BACWA Talking Points for 8/14 Wetlands Workshop

- BACWA would like to convey our support for updating the 1994 Wetlands Policy. Over the past two decades, stakeholders in this Region have gained a better understanding of wetlands' potential benefits related to water quality improvements, habitat restoration, and sea level rise protection.
- The 1994 Policy states "It is not the intent of this policy to either encourage or discourage the use of wastewater to create, restore, and /or enhance wetlands". BACWA recommends that the Policy be updated to encourage the use of wetlands where they can be deployed to provide the benefits I just listed.
- The 1994 Policy only allows a Basin Plan shallow discharge prohibition exception if net environmental benefit can be shown. There has been a marked improvement in treatment plant reliability and effluent quality over the previous decades. The White Paper that was posted prior to this workshop enumerates wetlands projects around the Region and the State and describes their ability to remove pollutants from effluent. Given these two factors, BACWA recommends that the Policy be updated to allow "equivalent protection" as a shallow discharge prohibition exception for wetland projects.
- Looking further into the future, the Regional Water board should consider adopting into the Basin Plan an additional shallow discharge prohibition exception for projects that improve the Region's climate change resiliency.
- Several of our members have described the difficulty in interagency permitting when developing wetlands projects. We'd like to hear from the Water Board about how you are working with State Fish and Game, US Fish and Wildlife, and the US Army Corps, to streamline the permitting of wetland projects.

## Sherry Hull

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**From:** Sherry Hull  
**Sent:** Tuesday, August 14, 2018 6:33 PM  
**To:** Sherry Hull  
**Subject:** Support for BABC  
**Attachments:** DRAFT BABC CASA Briefing Agenda\_August2018.docx; REV DRAFT-CASA-August2018\_BABCoalitionBriefing.ppt

**From:** Sarah Deslauriers [<mailto:sarah.deslauriers@bayareabiosolids.com>]  
**Sent:** Monday, August 6, 2018 5:39 AM  
**To:** [jdow@centralmarinsa.org](mailto:jdow@centralmarinsa.org); [VinceD@deltadiablo.org](mailto:VinceD@deltadiablo.org); [KVing@sflower.org](mailto:KVing@sflower.org); [mfisher@sflower.org](mailto:mfisher@sflower.org); [klim@ci.millbrae.ca.us](mailto:klim@ci.millbrae.ca.us); [dmount@ci.millbrae.ca.us](mailto:dmount@ci.millbrae.ca.us); [lolive@cityofpleasantonca.gov](mailto:lolive@cityofpleasantonca.gov); [kyurchak@cityofpleasantonca.gov](mailto:kyurchak@cityofpleasantonca.gov); [Zkay@srcity.org](mailto:Zkay@srcity.org); [twright@srcity.org](mailto:twright@srcity.org); [delight@dsrsd.com](mailto:delight@dsrsd.com); [stephenson@dsrsd.com](mailto:stephenson@dsrsd.com); [fuller@dsrsd.com](mailto:fuller@dsrsd.com); [gbaatrup@fssd.com](mailto:gbaatrup@fssd.com); [davisson@isd.us.com](mailto:davisson@isd.us.com); [zimmerman@isd.us.com](mailto:zimmerman@isd.us.com); [jeffrey@smcsd.net](mailto:jeffrey@smcsd.net); [paul\\_eldredge@unionsanitary.ca.gov](mailto:paul_eldredge@unionsanitary.ca.gov); [tim\\_grillo@unionsanitary.ca.gov](mailto:tim_grillo@unionsanitary.ca.gov); [armando\\_lopez@unionsanitary.ca.gov](mailto:armando_lopez@unionsanitary.ca.gov); [conniel@unionsanitary.ca.gov](mailto:conniel@unionsanitary.ca.gov); [Kcook@wcwd.org](mailto:Kcook@wcwd.org); [LMalek-Zadeh@wcwd.org](mailto:LMalek-Zadeh@wcwd.org); [alicia.chakrabarti@ebmud.com](mailto:alicia.chakrabarti@ebmud.com); [RKrishnaiah@sflower.org](mailto:RKrishnaiah@sflower.org); [RMcCauley@sflower.org](mailto:RMcCauley@sflower.org); [RBatjiaka@sflower.org](mailto:RBatjiaka@sflower.org); David Williams <[dwilliams@bacwa.org](mailto:dwilliams@bacwa.org)>; [amit.mutsuddy@sanjoseca.gov](mailto:amit.mutsuddy@sanjoseca.gov); [Abhagwat@carollo.com](mailto:Abhagwat@carollo.com); [Virginia.Parks@sanjoseca.gov](mailto:Virginia.Parks@sanjoseca.gov); [ken.davies@sanjoseca.gov](mailto:ken.davies@sanjoseca.gov); [Jason.Nettleton@sanjoseca.gov](mailto:Jason.Nettleton@sanjoseca.gov); [MMorton@vallejowastewater.org](mailto:MMorton@vallejowastewater.org); [JHarrington@vallejowastewater.org](mailto:JHarrington@vallejowastewater.org); [JHo@vallejowastewater.org](mailto:JHo@vallejowastewater.org); [ECharbonnet@carollo.com](mailto:ECharbonnet@carollo.com)  
**Subject:** Draft CASA Conference Briefing Agenda & Presentation for your review

Hi All,

Per our discussion during last week's meeting, I've attached an updated draft agenda and presentation for the CASA Conference Briefing for your review. The presentation graphics are being updated in Carollo's graphics department.

Thank you ALL for being so willing to participate - we have Tyson opening the Briefing with a welcome and introductions, I'll provide an update on project development, Manon will provide the research update, and Melissa will share VFWD's video and facilitate the question answer period (where we all can provide feedback). Having members speak at the Briefing like this is GREAT for attendees to see! Looking forward to it.

Regarding the current Coalition membership - I am showing the original 19 members below (those in **bold** are not currently members). We are now at 17 members - however, Karin stated that Palo Alto will not be able to commit the dues for this fiscal year - Greg Baatrup plans to follow up with Karin. Side note: both Sacramento and CCCSD are looking to join.

Central Marin Sanitation Agency

**City of Burlingame**

**City of Livermore**

City of Millbrae

City of Palo Alto

City of Pleasanton (through DSRSD)

**City of Richmond**

City of San Jose

City of Santa Rosa

Delta Diablo

Dublin San Ramon Services District

East Bay Municipal Utility District

Fairfield Suisun Sewer District

Ironhouse Sanitary District

North San Mateo County Sanitation District - Daly City

Sausalito - Marin City Sanitary District

San Francisco Public Utilities Commission  
**Silicon Valley Clean Water**  
Union Sanitary District  
Vallejo Flood & Wastewater District  
West County Wastewater District

Please let me know if you have any edits to the agenda and presentation by Tuesday, 5 pm.

Sarah A. Deslauriers, P.E.  
Program Manager  
Bay Area Biosolids Coalition  
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[Sarah.Deslauriers@bayareabiosolids.com](mailto:Sarah.Deslauriers@bayareabiosolids.com)  
<http://www.bayareabiosolids.com/>

# Bay Area Biosolids Coalition

## 2018 Guidance Budget

<b>Coalition Management</b>	Actual	In Kind
Program Manager (Strategic Plan Support)	\$120,000	\$0
Executive Board Oversight	\$0	\$100,000
<b>Subtotal</b>	<b>\$120,000</b>	<b>\$100,000</b>
<b>Community Engagement</b>	Actual	In Kind
Web Master Contract	\$5,000	\$0
Collateral Development	\$10,000	\$0
Public Relations	\$0	\$30,000
<b>Subtotal</b>	<b>\$15,000</b>	<b>\$30,000</b>
<b>Discretionary</b>	Actual	In Kind
Academia Research & Development Program	\$25,000	\$0
Technology Research & Development	\$25,000	\$0
Project Development & Support	\$25,000	\$0
<b>Subtotal</b>	<b>\$75,000</b>	<b>\$0</b>
<b>Total Expenses</b>	<b>\$210,000</b>	<b>\$130,000</b>
JEPA Administration (5% of budget or \$10,000, whichever is higher)	\$10,500	
	<b>Actual</b>	<b>In Kind</b>
<b>Total Expenses + JEPA Administration</b>	<b>\$220,500</b>	<b>\$130,000</b>

**Note:** WERF contract for technical peer review already paid - extended P.O. through June 2018.

**WERF Peer Review Contract Credit**

**\$19,716**



### Bay Area Biosolids Coalition 2018 Dues Structure

Agency Size (ADWF MGD)	Annual Dues
1-5	\$1,500
5.1-10	\$6,500
10.1-25	\$16,500
25 +	\$24,500

Member Agencies	2013 ADWF MGD	Annual Dues
Central Marin Sanitation Agency (CMSA)	5.8	\$ 6,500
City of Millbrae	1.5	\$ 1,500
City of Palo Alto	20.8	\$ 16,500
City of Santa Rosa	15.1	\$ 16,500
Delta Diablo	13.1	\$ 16,500
Dublin San Ramon Services District (DSRSD)	10.2	\$ 16,500
East Bay Municipal Utilities District	48	\$ 24,500
Fairfield Suisun Sewer District (FSSD)	11.9	\$ 16,500
Ironhouse Sanitary District (ISD)	2.3	\$ 1,500
North San Mateo County Sanitation District / Daly City	6.1	\$ 6,500
San Francisco Public Utilities Commission (SFPUC)	74	\$ 24,500
Sausalito Marin City Sanitary District (SMCSD)	1.2	\$ 1,500
Union Sanitary District (USD)	23.7	\$ 16,500
Vallejo Sanitation and Flood Control District (VSFCD)	8.9	\$ 6,500
West County Water District (WCWD)	6.6	\$ 6,500
<b>Estimated 2018 Total Budget</b>		<b>\$ 162,000</b>

Unable to pay for Jan - Jun 2018

Interested Agencies	ADWF MGD	Annual Dues
Central Contra Costa Sanitary District	36	\$ 24,500
City of San Jose	82.3	\$ 24,500

Potential New Member Agency	ADWF MGD	Annual Dues
Monterey Regional	21	\$ 16,500
Orange County Sanitation District	207	\$ 24,500
City of Petaluma	5	\$ 1,500
Regional San (Sacramento)	141	\$ 24,500
San Bruno-South San Francisco	9.2	\$ 6,500
San Diego	152	\$ 24,500
City of San Mateo	12.5	\$ 16,500
City of Sunnyvale	14	\$ 16,500
City of Burlingame	2.7	\$ 1,500

## **Services and FAQs Regarding BACWA Providing Administrative Services to the Bay Area Biosolids Coalition (BABC)**

### **Introduction**

The BABC coalition is a group of 17 public agencies formed in 2006 to develop options to beneficially reuse biosolids. It operates under a Joint Exercise of Powers Agreement. Delta Diablo (DD), one of the members of the coalition, had served as the administrator of the Coalition's business for several years but that effort is now being undertaken by the SFPUC with help via a contract with a consulting engineering firm. Currently BABC has 17 members, 16 of which are also BACWA members with Santa Rosa not being a BACWA member. As part of the BABC's mission, contracts for professional services have been executed to conduct studies on the feasibility of beneficially reusing biosolids as well for lobbying efforts. DD and SFPUC have provided administrative services to the BABC coalition at little or no costs for several years but now administrative support is included as part of the consulting contract which also includes technical services. BABC is now seeking more cost effective delivery of its needed administrative services.

BACWA operates under a Joint Powers Agreement (JPA) established in 1984 as a separate public entity from its members and providing services that benefits its members including but not limited to: collecting, interpreting, and managing data; coordinating work efforts; assessing effects of pollution on the Bay; development and dissemination of information about the Bay; conducting programs of mutual interest of its members, and representing its members on regulatory issues. BACWA has many powers including ability to enter into contracts, employing agents as well as employees, incurring debt, accepting grants, conducting studies, and to sue and be sued.

With respect to providing administrative support to BABC, the BACWA JPA provides for Programs of Special Benefit. These are programs whose benefits are significantly greater for some BACWA member agencies than for others and whose costs are allocated to agencies in accordance with the program's benefits. Using this provision of the BACWA JPA, funds are collected from the participating members and held in a separate account over which the governance body representing the participating members has complete control. BACWA charges a fee for administering the separate fund and providing any additional needed services.

### **FAQs**

Q: How would BACWA provide administrative services to BABC?

**A:** Given that the BABC itself is a Joint Exercise of Powers Agreement and the fact that currently the membership consists of some non-BACWA members and that more non-BACWA members may be added, it appears that the best approach is to provide the services through a contract.

**Q: Would BACWA be interested in providing services to BABC?**

**A:** The decision would be up to the BACWA Board however, given the alignment of the mission with BACWA's purpose, the Board may be favorably inclined, as it has been in the past, to provide administrative support when there is close alignment with the contracted entity.

**Q: What types of services could BACWA offer to BABC?**

**A:** Typical administrative services would include the following:

- Invoicing BABC's membership based on invoice amounts provided by BABC, collecting revenues and paying bills;
- Contracting on behalf of BABC;
- Communicating and coordinating with EBMUD Accounting, who provides accounting services to BACWA to ensure proper and timely processing of BABC contracts and invoice from contractors;
- Acting as an intermediary between BABC project managers and EBMUD Accounting to track revenues and expenditures for BABC specific projects and/or special programs;
- Assisting with the coordination and facilitation of BABC meetings and logistics;
- Managing retention, organization, maintenance and storage of BABC electronic files;
- Maintaining BABC contact and distribution lists;
- Other administrative support as defined in a scope of work between BACWA and BAB2E.

**Q: What role would BACWA play in the governance of BABC?**

**A:** Under an administrative services contract, BABC would continue to govern itself as it currently does.

**Q: BABC participates in lobbying activities and legislative review, would this change under an agreement with BACWA?**

**A:** Under an administrative services contract, BABC would continue its lobbying and legislative activities.

**Q: Would there be any restrictions on the membership of BABC?**

**A:** Under an administrative services contract, BABC would have no restrictions on its membership.

**Q: What would be the term of a contract?**

**A:** That is negotiable. Typically, BACWA contracts for services are for one year, however for when BACWA is providing a service, the contract could be longer or be for one year and have annual extensions.

**Q: What does it cost for BACWA to provide administrative services?**

**A:** That is negotiable depending on the services needed however the BACWA Board has established a 5% administrative fee for non-aligned, non-member entities that simply need contracting services or the administration of funds from their members. When the mission is aligned and there are mutual members involved the fee could be lower deepening on the size of the service contract or the amount of funds administered.

**Q: Down the road could the BABC coalition become a committee of BACWA funded by BACWA dues?**

**A:** There are a number of instances where a program has transitioned from a Special Benefits or a contract approach to a regular BACWA Committee. If at some point BABC members decided to request to be brought into BACWA as a stand-alone Committee/workgroup or to be folded into the Biosolids Committee, it could be considered by both BACWA and BABC at that time. If there was interest in this approach, most likely the BABC JPA would need to be dissolved.

## Sherry Hull

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**From:** Sherry Hull  
**Sent:** Tuesday, August 14, 2018 2:04 PM  
**To:** Sherry Hull  
**Subject:** BayCAN launch

**From:** Behar, David [<mailto:DBehar@sfwater.org>]  
**Sent:** July 06, 2018 10:04 AM  
**To:** Lori Schectel <[lschectel@centralsan.org](mailto:lschectel@centralsan.org)>  
**Subject:** BayCAN July 11

Hi Lori!

Long time, hope you are well. I included you in the invite for a major meeting next week in Oakland – the launch of the Bay Area Climate Adaptation Network (BayCAN), 9:30-12:30 at the state building. This is going to be the place where Bay Area local government, and our partners, collaborate and benchmark our climate adaptation approaches. As chair of BACWA, and of course a Contra Costa clean water leader, I was hoping to get you engaged a bit in this. Stormwater and wastewater agencies are important players in the adaptation conversation and we're hoping for strong representation in our group (we also have drinking water, public health, ecosystem/parks, fire, and coastal zone managers in the mix). Anyway, let me know if any questions and hope you can make it! If you can, we'd like to get an RSVP either through the EventBright invite or just an email to me. Thanks.

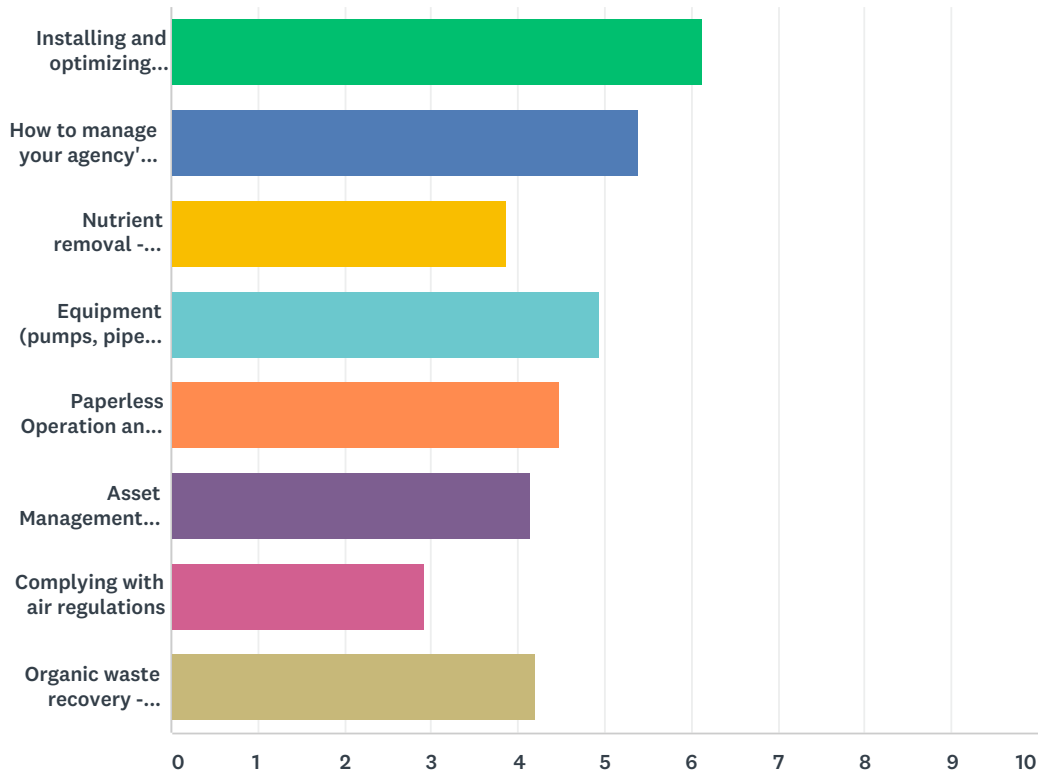
David

**David Behar**

Climate Program Director  
San Francisco Public Utilities Commission  
[dbeharsfwater.org](mailto:dbeharsfwater.org)  
(415) 554-3221

## Q1 Please rank your interest in the following topics for future O&M infoshare meetings.

Answered: 16 Skipped: 0



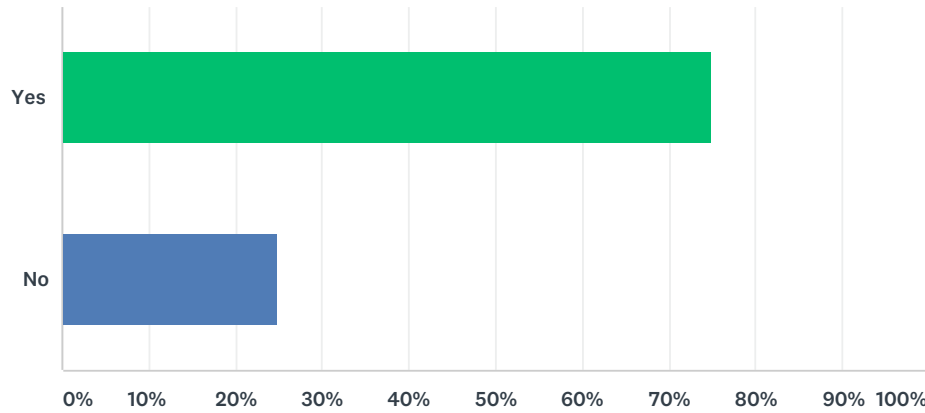
	1	2	3	4	5	6	7	8	TOTAL	SCORE
Installing and optimizing process automation using emerging sensor technologies (i.e. scan, ZAPS, etc.)	50.00% 7	7.14% 1	7.14% 1	0.00% 0	28.57% 4	0.00% 0	0.00% 0	7.14% 1	14	6.14
How to manage your agency's knowledge base, SOPs, manuals, record drawings, and other information	26.67% 4	26.67% 4	6.67% 1	0.00% 0	13.33% 2	0.00% 0	20.00% 3	6.67% 1	15	5.40
Nutrient removal - impacts to O&M	0.00% 0	7.14% 1	28.57% 4	0.00% 0	7.14% 1	35.71% 5	7.14% 1	14.29% 2	14	3.86
Equipment (pumps, pipes, assets) condition assessment	0.00% 0	28.57% 4	14.29% 2	28.57% 4	0.00% 0	14.29% 2	7.14% 1	7.14% 1	14	4.93
Paperless Operation and Maintenance	6.67% 1	6.67% 1	20.00% 3	26.67% 4	13.33% 2	6.67% 1	0.00% 0	20.00% 3	15	4.47
Asset Management Software	14.29% 2	7.14% 1	14.29% 2	7.14% 1	7.14% 1	14.29% 2	21.43% 3	14.29% 2	14	4.14
Complying with air regulations	0.00% 0	0.00% 0	0.00% 0	21.43% 3	14.29% 2	14.29% 2	35.71% 5	14.29% 2	14	2.93

## O&M meeting topics

Organic waste recovery - impacts to O&M	6.67%	13.33%	13.33%	13.33%	13.33%	13.33%	6.67%	20.00%		
	1	2	2	2	2	2	1	3	15	4.20

## Q2 Are you interested taking plant tours as part of O&M Infoshare meetings?

Answered: 16 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	75.00%	12
No	25.00%	4
TOTAL		16



## **Water Conservation in California is Impacting the Collection Systems, Performance of Wastewater Treatment Plants and TDS in Reclaimed Water**

This Workshop provides insight to the technical challenges of designing, managing and operating wastewater treatment plants with rapidly changing conditions as a result of water conservation.

*Who Should Attend:* Plant Owners, Managers, Operators, Technicians and Designers

*What to Expect from the Workshop:* Gain insight from experts working in the field through a workshop format of dialogue, discussion, case studies, tips and solutions.

Aggressive water conservation in Southern California communities is changing the nature of sewage collection and treatment. Reduced flow from household and commercial water fixtures provides less volume and velocity in sewers, and increases detention time. Coupled with elevated temperature in many areas, the physical collection and conveyance systems become biological reactors. This increases odor and corrosion in collection system and pumping stations. The septic conditions stimulate undesirable biology to produce more dissolved sulfide, ammonia and odorous, soluble BOD. This changes the loading characteristics to the treatment plants.

The impact of this condition is measurable and significant. Throughout California and the Southwest, treatment plants have suffered major upsets, violation of stringent discharge requirements and have incurred significant increased cost for energy and chemicals. Increased loading is increasing wear and tear on equipment and infrastructure, reducing performance and maintenance reliability. The change in ammonia and organic loading is challenging design capacity of many facilities and has had the effect of both reducing rated capacity and increasing the demand and cost of energy and chemicals, while decreasing gas production in anaerobic digesters. Further, household water conservation has led to increases in TDS in influent sewage. Changing water chemistry has often required higher dosage of treatment chemicals, further increasing effluent TDS and creating challenges in water reuse markets and applications.

This workshop opens a peer-to-peer dialog to gain an understanding of the regional impacts of current conditions, the threat to compliance and the challenge to process control. It also is intended to provide an overview of the gaps in the industry that must be filled with an understanding of changing conditions, trends, process strategies and technological alternatives.

The structure of the workshop has two goals:

- 1) Provide information and insight to current and future conditions; and
- 2) Open a peer-level dialog to meet the challenges and improve infrastructure reliability, capacity, compliance, process control and energy demand.

**Committee Request for Board Action: None**

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

**21 attendees (including 8 on phone) representing 9 member agencies**

**Water Infrastructure Improvements for the Nation (WIIN) Act Update**

The US Bureau of Reclamation (USBR) has a target date of May 23rd for release of the combined Funding Opportunity Announcement. Application deadline will be 60 days after release. Congress is going through the appropriation process, but it seems unrealistic that they will pass all 12 Appropriation bills prior to the end of the federal fiscal year (esp. in an election year), so we're likely to see a Continuing Resolution at that time.

**Recycled Water Policy Update**

BACWA provided both oral testimony at the June 19 State Water Board hearing, as well as written comments on the Proposed Amendment. The Water Board and their staff gave feedback on the various issues that the recycled water community raised:

- Goal to minimize effluent discharges to ocean and enclosed bays – The State Water Board is open to reframing this goal in another section of the Policy.
- Transitioning from 96-011 to the State Water Order – BACWA is concerned about loss of coverage, and would like a blanket transition to the State General Order, but the Water Board chair is concerned about "old" engineering reports.
- Wastewater Change Petitions – BACWA is concerned that the requirement for another application will further impede projects, but State Water Board thinks the problem is agencies aren't submitting Wastewater Change Petitions early enough in the process.
- Reporting – BACWA thanked the State Water Board for removing priority pollutant monitoring requirements.
- SNMPs – BACWA recommended that SNMPs should be housed under SGMA, but the Water Board Chair doesn't agree.

CASA and WaterReuse will meet with State Water Board staff this summer to continue to make headway on resolving these issues.

**BAIRWMP Update**

There will be a quick IRWMP update to address new requirements, which will largely be edits to the text to address issues such as climate change. The SF Bay Area Region was awarded \$6.5M through the current funding round, the DAC Involvement Program, to assist with outreach to promote involvement of DACs in IRWM planning efforts. The Environmental Justice Coalition (EJCW) and California Indian Environmental Alliance (CIEA) are administering these funds, are contracting with outreach partners (NGOs and Tribal organizations). There will be approximately \$23.7M available for the SF Bay Region in the Prop 1 Implementation Round 1, with a maximum of \$1.9 available for DAC projects. EJCW and CIEA will lead the development of a list of projects for this implementation round. The Coordination Committee will be reviewing the factors used to rank projects. There is a form on the IRWM website for submitting new projects. Stormwater Plans are being added to the IRWM as they are provided. The Project Solicitation Package will be released in September.

**Water Management Legislation**

AB 1668 and SB 606 are companion bills that would require the SWRCB, in coordination with DWR, to adopt long-term standards for the efficient use of water and would establish specified standards for per capita daily indoor residential use. They implement "Making conservation a way of life". The bills would require each urban retail water supplier to calculate and report an urban water use objective no later than November 1, 2023, and by November 1 every year thereafter, and compare its actual urban water use to the objective by those same dates. They would authorize the Water Board to issue information orders, written notices, and conservation orders to an urban retail water supplier that does not meet its urban water use objective, as specified. The bills would also revise urban water management plan requirements, in particular requiring a drought risk assessment for a five-year drought and increasing water shortage contingency plan requirements. The bills would require each urban water supplier to conduct an annual water supply and demand assessment and report annually by June 1st to DWR on anticipated shortage, triggered shortage response actions, compliance and enforcement actions, and communication actions consistent with the supplier's water shortage contingency plan. It is unclear how "waivers" for recycled water will be implemented

**Next Meeting** – Tuesday, September 18, 2018, 10:30 am to 12:30 pm, EBMUD Small Admin Training Room

**Special Training – 17 attendees representing 11 member agencies**

Committee Notes are available [online](#).

***Regional Water Board Update***

Debbie Phan will be sending out P2 report review letters. She cited [Central San's P2 Report](#) as a model that other agencies can look at. The Annual Teng-Chung Wu P2 Award will go to Annie Joseph from Our Water Our World.

***Pollutant Prioritization for FY20***

After discussion, the committee identified the following as priorities to receive funding in FY2020:

- Pharmaceuticals and personal care products
- FOG
- Toilets aren't Trash Cans
- Pesticides (including OWOW)
- Copper
- Mercury/dental amalgam
- PCBS

These pollutants were selected based on level of impact to POTWs and receiving waters, which pollutants have existing outreach campaigns that can be carried forward, and which have regulatory mandates for pollution control (copper, mercury, and PCBs). There is interest in exploring developing translations for existing outreach material for the Toilets Aren't Trashcans campaign, as well as taking a closer look at the impact of online campaigns through Google Analytics. Over the next year, the committee will learn more about some of the emerging contaminants, to consider for future fiscal years.

***Steering Committee Update***

There is a new website review subcommittee who will be looking at old Baywise.org pages and proposing revisions.

***Budget***

The FY18 committee budget was approximately 97%, spent.

**Next BAPPG Meeting****BAPPG General Meeting**

October 3, 2018: 9:00am-1:00pm

1515 Clay Street, Second Floor, Room 12  
Oakland, CA

**Committee Request for Board Action: None****25 attendees, representing 17 member agencies****SSS WDR Reissuance**

The committee reviewed CASA's SSS WDR redlines and discussed the major issues:

- *De minimis spills* – CASA is proposing a 50 gallon reporting threshold. According to data downloaded from CIWQS, 50% of spills are less than 10 gallons, but 75% of the spilled volume is attributable to spills of greater than 50 gallons. There is some discussion within CASA that only spills reaching waters of the US should be reported.
- *Change logs* – The committee would like guidance from the State Water Board about how to manage change logs.
- *PSL monitoring* – CASA recommends removing the Private Sewer Lateral Reporting requirements from the SSS WDR.
- *Climate Change* – The committee was concerned that listing specific Climate Change impacts in the SSS WDR would limit agencies to those impacts that are listed, and would be interpreted as being the impacts that need to be addressed by agencies in their Capacity Plans or SSMPs.

CASA will accept comments on the draft redlines until August 15, and plans to submit them to the State by Sept 5. The Water Board plans to host two workshops in the Fall to get stakeholder feedback. They aim to have a draft by early 2019, with adoption by the end of 2019.

**Regional Water Board score sheet**

The Regional Water Board's [2017 Score sheet](#) was distributed and discussed. It will be a topic for discussion when Regional Water Board staff attend the September meeting.

**Announcements of Upcoming Training, Conferences, and Meetings**

- Union Sanitary District will host Collection Systems vendor fairs on August 29 (via CWEA) and September 20
- CWEA is hosting a Regulatory Compliance seminary on Sept 12 at the CCCSD Maintenance Yard.

**Next Collection System Committee Meeting**

Our next committee meeting will be held on September 27 and will be attended by Regional Water Board staff. There will also be a presentation from Woodard & Curran on updating design storms for climate change adaptation.

**Committee Request for Board Action: None**

**Conference call only. 17 attendees representing 10 member agencies.**

**Upcoming Permits**

**August** – SASM - No issues. Both SASM and Tiburon submitted comments asking that the SSS WDR not be incorporated into their NPDES permits. In response, the Regional Water Board reverted to the language they had used previous to the issuance of the new standard NPDES permit by the Regional Water Board. The updated language is as follows:

Collection System Management. The Discharger is subject to the requirements of, and shall comply with, State Water Board Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, as amended by State Water Board Order No. WQ 2013-0058-EXEC and any subsequent order updating these requirements shall properly operate and maintain its collection system (see Attachments D and G, section I.D), report any noncompliance with respect to its collection system (see Attachment D, section V.E.1, and Attachment G, sections V.E.1 and V.E.2), and mitigate any discharges in violation of this Order associated with its collection system (see Attachments D and G, section I.C). State Water Board Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, as amended by State Water Board Order No. WQ 2013-0058-EXEC, contains requirements for the operation and maintenance of collection systems and for reporting and mitigating sanitary Item 5A - Response to Comments Sanitary District No. 5 of Marin County Page 2 of 3 sewer overflows. While the Discharger must comply with both the statewide WDRs and this Order, the statewide WDRs more clearly and specifically stipulate requirements for the operation and maintenance and for reporting and mitigating sanitary sewer overflows. Implementing the requirements for the operation and maintenance and mitigation of sanitary sewer overflows set forth in the statewide WDRs (and any subsequent order updating these requirements) shall satisfy the corresponding federal NPDES requirements specified in Attachments D and G of this Order for the collection systems. Following the reporting requirements set forth in the statewide WDRs (and any subsequent order updating these requirements) shall satisfy the NPDES reporting.

See [revised TO](#).

Tiburon – No other known issues. See [revised TO](#).

**October** – SFO – Same language about Collection Systems Management as for SASM and Tiburon, above.

**Recap from AIR Committee meeting with BAAQMD**

The committee had a lengthy discussion about the 8/6 meeting between BACWA's AIR committee and the BAAQMD. At that meeting, BAAQMD presented details on the development of its Basin-Wide Methane Strategy, where we stand in Rule 11-18 implementation, and AB617 Implementation. The major issue that concerned participants was the discussion about the timeline for permitting new projects, as well as the lack of a framework for venting during planned maintenance. One agency discussed the impossibility of submitting a full Authority to Construct permit application without first bidding the project, due to the necessity of using equipment specs in the application. This can cause substantial delays and put projects into jeopardy. The meeting attendees did not feel that the BAAQMD staff present had a satisfactory response to this, and other permitting issues, and would be interested in exploring strategies with BAAQMD management for improving the process.

- a. *Optimization/Upgrade Studies* – The [Optimization and Upgrade final report](#) was submitted to the Regional Water Board on June 26. BACWA is planning a workshop to go over the Report with the Regional Water Board, and will produce a short brochure summarizing the studies for agencies to share with their Governing Boards and the public.
- b. *NST meeting* – The Nutrient Strategy Team met on July 20, and Regional Water board staff were in attendance. Tom Mumley outlined his preferred strategy for nutrient management actions, which is to impose load caps in 2024 based on 2019 loads, plus a buffer for growth. Agencies could then plan how to incrementally reduce loading over time, or plan large capital projects. Agencies who could not meet their load caps could get a compliance schedule if they could show that they plan to implement a project to reduce nutrient loads. The loads caps may be increased or reduced in the future based on information from the Science Plan. The NST has not yet discussed this strategy without the Water board present.
- c. *Group Annual Report* – Data were due to HDR at the end of July.

**CECs**

- a. [Updating Monitoring Recommendations for Emerging Contaminants in Coastal Waters](#) – The Ocean protection Council is funding the reformation of the Scientific Panel on CECs in aquatic ecosystems. This could lead to recommendations that restart the State Water Board's efforts to develop a pilot monitoring

program for CECs. BACWA responded to the State's previous Draft Pilot Monitoring Plan with a letter stating that we have a mature program run by the RMP that is tailored to our research needs in the Bay Area.

- b. *BACWA White Paper on Representative POTW participation in CECs studies.* Based on discussions with the CECs leads at the RMP, BACWA will deliver information on the following factors to allow the RMP to request volunteers from "representative" POTWs:
- Location by subembayment
  - Source water – surface vs. groundwater, agricultural impacts?
  - Type of Treatment, including secondary and disinfection
  - Sludge Residence Time
  - Average dry weather flow
  - Flow to Bay
  - Industrial users, number of the following:
    - Airports
    - Military Bases
    - Electroplating Facilities
    - Hospitals
    - Commercial Laundry
    - Pet Groomers (?)
- c. *RMP Presentation to Committee* – Diana Lin will provide a presentation to the Permits committee in October. The committee would like to hear about the results of the pharmaceuticals study, what is known about sunscreens in aquatic ecosystems, tire dust runoff from roads, flea treatments, and PFOS/PFAS.

#### **Satellite Recycled Water Facility Permitting**

The proposed amendments to the Recycled Water Policy would terminate R2-1996-011 one year after their adoption, and require all enrollees to get coverage under the State General Order for recycled water. However, the State General Order does not cover production of recycled water, unlike R2-1996-011. This leaves recycled water satellite facilities potentially without coverage, if they are not described in an agency's NPDES permit. The Regional Water Board is considering how to permit these facilities in the future.

#### **Water Board Wetlands Workshop**

The Regional Water Board will host a [workshop](#) on revising Wetlands Policy 94-086. BACWA will provide comments in favor of the revision, and that it should be less difficult to obtain a shallow water discharge prohibition exception for wetlands projects. BACWA will also comment on the need to work with other agencies to streamline permitting.

#### **BACWA Workshop on unintended consequences of**

SCAP hosted a workshop to provide insight into the technical challenges of designing, managing and operating wastewater treatment plants with rapidly changing conditions as a result of water conservation. BACWA is considering a similar workshop, and committee members indicated they would be interested in attending.

#### **Announcements**

- a. Triennial Review Public hearing on September 12
- b. NACWA seeking volunteers for [Cost of Wipes study](#)
- c. Please respond to [2018 Biosolids survey](#) by Aug 17.
- d. BACWA looking into better conference call provider

**Next BACWA Permits Committee Meeting:** Tuesday September 11, 12 to 2pm, EBMUD Lab Library

## Laboratory Committee – Report to BACWA Board

Laboratory committee meeting on: 8 August 2018  
Executive Board Meeting Date: 17 August 2018  
Committee Chair : Nirmela Arsem

**Committee Request for Board Action:** none

### **Focus Topic:**

Facilitated discussion on '[TNI 2016 – Internal Audits](#)'

The discussion was led by Chris Frances. There was a discussion about how to determine who on staff is qualified to do audits but can still be considered independent. Some agencies are considering swapping personnel to do audits. After an audit, agencies must perform corrective actions to ensure that issues identified during the audit are addressed. Palo Alto is willing to share their [corrective action form](#) with members of the committee.

### ***Nutrient analytical methods:***

There was a question about whether anyone does TN analysis in-house. Palo Alto is considering getting an IC for this analysis.

### **Agency Audits**

DSRSD got a notice of failure to comply due to a data entry miscommunication between ELAP and the ERA. When entering information for a method that is not included in the drop down menu, it is possible to manually enter the method code.

### ***Recruitment***

Palo Alto is recruiting a lab tech. There was a discussion about the disparities in pay between Cities and Special Districts.

**Next meeting: September 12 2018**





## **Executive Director's July 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.
- Coordinated with the NMS Science Manager on presentations, meetings, and key issues on nutrients.
- Held a Nutrient Strategy Team meeting, with Water Board staff attending, to discuss approaches on watershed permit language to incentivize early actions to reduce nutrients. Provided meeting summary notes to the NST and the WB.
- Planned for and participated in the 32<sup>nd</sup> meeting of the NMS Planning Subcommittee meeting and provided a summary of the meeting for review by the Committee.
- Worked with SFEI to plan for the 33<sup>rd</sup> meeting of the NMS Planning Subcommittee.
- Coordinated with the HDR Project Manager on the schedule and budget for the Op/Upgrade Report brochure and summary presentation to the Water Board.

### **BACWA BOARD MEETING AND CONFERENCES:**

- Worked with staff in preparing for the July Board Meeting including review of the final agenda with the BACWA Chair and coordination with presenters.
- Organized and participated in the July Board Meeting.
- Continued to track all action items to completion.
- Planned for the next bi-monthly Joint Meeting with the Water Board staff scheduled for August.

### **ASC/SFEI:**

- As the Chair of the Governance Committee coordinated with the SFEI Executive Director on committee activities.
- Participated in discussions on the approach to updating the organization's strategic plan and submitted comments on the draft plan.

### **COLLECTION SYSTEM COMMITTEE:**

- Coordinated with the RPM on planning for the next Collection System Committee meeting.





- Coordinated with BACWA staff on the collaborative effort amongst CASA, SCAP and BACWA on review and commenting on the proposed revisions to the SWRCB's SSO WRD.

#### **FINANCE:**

- Reviewed the monthly BACWA financial reports with the AED.
- Continued coordinating with the AED in closing out the FY 18 financial reports.
- Participated in the annual end of year review of the BACWA JPA accounting with EBMUD accounting staff.
- Coordinated with the AED in preparation for sending the FY 19 annual invoices to the BACWA membership.

#### **PERMIT COMMITTEE:**

- Coordinated with the RPM for items to agendize for the next Permit Committee meeting.
- Participated in the July Permit Committee meeting via conference call and provided updates on BACWA issues.

#### **COLLABORATIONS:**

- Coordinated with CASA Regulatory Program Manager and Executive Director on regulatory issues of mutual concern.
- Coordinated with the Bay Area Biosolids Coalition to discuss a potential role for BACWA in assisting with the administration of the Coalition's activities. Continued serving as contract administrator for a research effort with UC Merced.
- Coordinated with SCAP and their legal team on the next steps on the toxicity lawsuit against EPA
- Participated in the CASA webinar on energy use associated with recycled water
- Attended the NACWA Summer Conference in Boston. Not funded by BACWA.

#### **AIR COMMITTEE:**

- Coordinated with the AIR Committee leadership on current regulatory issues.
- Worked with staff to develop the agenda for the annual joint meeting with the BAAQMD.

#### **WOT:**

- Communicated with the BACWWE Executive Committee on the results of the Spring Semester.



- Coordinated with Solano Community College in planning for the Fall 2018 BACWWE classes.
- Represented BACWA/BACWWE on the newly formed EPA Workforce Convening effort to foster collaboration among public agencies in preparing to meet the workforce challenges of the future.

#### **MANAGER'S ROUNDTABLE**

- Organized and conducted the quarterly meeting of the Bay Area Manager's Roundtable.

#### **ADMINISTRATION:**

- Planned for and conducted the monthly BACWA staff meetings to coordinate and prioritize activities.
- 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.
- Worked with ABAG in the processing of the Prop 84 invoices.

#### **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
- Interviewed by Berkeley's Wheeler Institute on resource recovery efforts in the Bay Area



## BACWA ACTION ITEMS

Number	Subject	Task	Deadline	Status
<b>Action Items from July 20, 2018 BACWA Executive Board Meeting</b>				
2018.7-13	Testifying at WB Wetlands Policy hearing	prepare speaking notes for two board members (RPM/ED)	7/31/2018	Completed
2018.7-12	Increase O&M attendance	Send O&M survey and invite to Board members (RPM)	7/31/2018	Completed
2018.7-11	Nutrients language on bacwa.org	Review and rewrite (RPM/ED)	7/31/2018	Completed
2018.7-10	Wetlands case studies	Get info from Novato, Las Gallinas, and TI (RPM)	7/31/2018	Completed
2018.7-09	SSS WDR language in NPDES permits	Add email showing proposed language changes to next Board Packet (RPM/AED)	7/31/2018	Completed
2018.7-08	CASA Toxicity White Paper	Contact CASA to notify them of BACWA participation (ED)	7/31/2018	Completed
2018.7-07	O&M Committee	Send Survey & list of Committee Members (RPM)	7/31/2018	Completed
2018.7-06	BABC Support	Review and update the previously prepared agreement (ED)	7/31/2018	Completed
2018.7-05	CPSC	Add BACWA Rep to Policy and Education Advisory Committee (PEAC) (next Board Mtg 8/27/18) (AED)	7/31/2018	Completed
2018.7-04	Title XVI WIIN Funding Support letter(s)	Finalize Support Letter for Palo Alto and send (ED/AED)	7/31/2018	Completed
2018.7-03	AIR Comm/BAAQMD Annual Meeting	Changes to Agenda (ED/RPM) & Post meeting (AED)	7/31/2018	Completed
2018.7-02	State level AIR & Water Regulatory conflicts	Take to next meeting of Summit Partners (ED)	9/30/2018	Pending
2018.7-01	BACWA Rep to RMP Tech Comm	Identify additional rep and request Board approval (ED)	8/17/2018	Pending
<b>Action Items Remaining from Previous BACWA Executive Board Meetings</b>				
2018.3-49	TNI InfoShare Workshop	In about 6 months (RPM)	12/15/2018	Pending
2016.3-61	Membership Policy	Develop policy for out of region agency membership (ED)	12/31/2018	Pending

FY19 11 of 13 Action Items completed  
 FY18 65 of 66 Action Items completed  
 FY17: 90 of 90 Action Items completed  
 FY16: 96 of 97 Action Items completed



DATE	AGENDA
<b>8/23/2018</b>	
<b>Joint Meeting - Water Board</b> Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono	<b><u>Other Business: Discussions</u></b>
<b>9/21/2018</b>	<b><u>Consent</u></b> Previous Board Meeting Minutes (AED) Monthly Financial Report
<b>Monthly Board Mtg</b> Items due: 9/14 Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull	<b><u>Authorizations &amp; Approvals</u></b> Approval: <b><u>Other Business - POLICY/STRATEGIC</u></b> Discussion: Draft Agenda Pardee Technical Seminar Discussion: Annual Meeting Planning Discussion: Update on CASA Climate Change Program (Short Meeting) <b><u>Other Business - OPERATIONAL</u></b> <b><u>Reports</u></b> Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Other BACWA Representative Reports
<b>9/21/2018 No Board Actions Permitted</b>	
<b>Pre-Pardee Seminar</b> Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull	
<b>10/25-26/2018 No Board Actions Permitted</b>	
<b>Pardee Technical Seminar</b> Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull	
<b>11/16/2018</b>	<b><u>Consent</u></b> Previous Board Meeting Minutes (AED) Monthly Financial Report
<b>Monthly Board Mtg</b> Items due: 11/9 Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull	<b><u>Authorizations &amp; Approvals</u></b> Approval: Adoption of FY18 Annual Reports <b><u>Other Business - POLICY/STRATEGIC</u></b> Discussion: Pardee Debrief & Survey Discussion: Draft Agenda Joint Meeting with WB Discussion: ReNEWIt Industrial Advisory Board Meeting Debrief Discussion: Climate Change Update

**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**

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono

**Other Business: Discussions****12/21/2018****Monthly Board Mtg**

Items due: 12/14

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

**HOLIDAY LUNCH****COMMITTEE APPRECIATION****LUNCH****Consent**

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 &amp; Key Issues

**Reports**

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

**1/25/2019****Annual Members Mtg**

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

Service &amp; Leadership Recognition

RMP &amp; NMS Update

EPA, CWRCB, RWCB, Air Dist,

**2/15/2019****Monthly Board Mtg**

Items due: 2/8

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

**Consent**

Previous Board Meeting Minutes (AED)

Monthly Financial Report

**Authorizations & Approvals**

Approval:

**Other Business - POLICY/STRATEGIC**

Discussion: Draft Agenda Joint Meeting with WB

**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
<b>3/?/2019</b> <b>Joint Meeting</b> Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono	<b><u>Other Business: Discussions</u></b>
<b>3/15/2019</b> <b>Monthly Board Mtg</b> Items due: 3/8 Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull	<b><u>Consent</u></b> Previous Board Meeting Minutes (AED) Monthly Financial Report <b><u>Authorizations &amp; Approvals</u></b> <b><u>Other Business - POLICY/STRATEGIC</u></b> Discussion: WB Joint Meeting Debrief <b><u>Other Business - OPERATIONAL</u></b> Discussion: Second Draft of FY20 Budget Discussion: Biannual Update on CASA Climate Change Program <b><u>Reports</u></b> Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Other BACWA Representative Reports
<b>4/19/2019</b> <b>Monthly Board Mtg</b> Items due: 4/12 Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull	<b><u>Consent</u></b> Previous Board Meeting Minutes (AED) Monthly Financial Report <b><u>Authorizations &amp; Approvals</u></b> Approval: FY20 Budget <b><u>Other Business - POLICY/STRATEGIC</u></b> Discussion: Draft Agenda Joint Meeting with WB <b><u>Other Business - OPERATIONAL</u></b> Discussion: Update on BAAQMD Regulations Discussion: Update on regional and statewide biosolids issues Discussion: NBWA Conference Debrief <b><u>Reports</u></b> Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Other BACWA Representative Reports
<b>5/?/2019</b> <b>Joint Meeting - Water Board</b> Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono	<b><u>Other Business: Discussions</u></b>
<b>5/17/2019</b> <b>Monthly Board Mtg</b>	<b><u>Consent</u></b> Previous Board Meeting Minutes (AED)

Items due: 5/10

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

Monthly Financial Report

**Authorizations & Approvals**

Approval: FY19 Staff Consulting Amendments/Agreements

Approval: Officers: Chair & Vice-Chair FY19

Authorization (ED): Legal & IT Support Amendments FY19

**Other Business - POLICY/STRATEGIC**

Discussion: Water Board Jt Mtg Draft Agenda

Discussion: CEC Update

Discussion: Update on regional and statewide biosolids issues

**Other Business - OPERATIONAL**

**Reports**

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

**6/21/2019**

**Consent**

**Monthly Board Mtg**

Items due: 6/14

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

Previous Board Meeting Minutes (AED)

Monthly Financial Report

**Authorizations & Approvals**

Approval: FY19 Agreements

Approval: Confirm BACWA Rep to ASC/SFEI Jt Board

**Other Business - POLICY/STRATEGIC**

Discussion: WB Joint Meeting Debrief

**Other Business - OPERATIONAL**

Discussion: BAAQMD Annual Meeting Draft Agenda

Discussion: CPSC Update

**Reports**

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

**7/19/2019**

**Consent**

**Monthly Board Mtg**

Items due: 7/12

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

Previous Board Meeting Minutes (AED)

Monthly Financial Report

**Authorizations & Approvals**

Approval: Annual Nutrient WS Payment

Approval: FY20 Agreements

**Other Business - POLICY/STRATEGIC**

Discussion: Water Board Jt Mtg Draft Agenda

Discussion: Draft Agenda Pre-Pardee Technical Seminar

Discussion: Risk Reduction Update

**Other Business - OPERATIONAL**

Discussion:

**Reports**

	Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Other BACWA Representative Reports
<b>8/16/2019</b> <b>Monthly Board Mtg</b> Items due: 8/9 Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull	<b><u>Consent</u></b> Previous Board Meeting Minutes (AED) Monthly Financial Report <b><u>Authorizations &amp; Approvals</u></b> Approval: BACWA Biennial Conflict of Interest Code Review <b><u>Other Business - POLICY/STRATEGIC</u></b> Discussion: Water Board Jt Mtg Draft Agenda Discussion: Draft Agenda & Schedule Pre & Pardee Technical Seminar Discussion: Membrane Aerated Biofilm Reactor (MABR) Research Discussion: RMP & NMS Update (Phil Trowbridge/David Senn) <b><u>Other Business - OPERATIONAL</u></b> Discussion: Options for Supporting the Bay Area Biosolids Coalition <b><u>Reports</u></b> Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Other BACWA Representative Reports
<b>8/?/2019</b> <b>Joint Meeting - Water Board</b> Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono	<b><u>Other Business: Discussions</u></b>

**CURRENTLY**

**UNSCHEDULED  
& SIGNIFICANT**

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





# Regulatory Program Manager's Report to the Board

## July 2018

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**NUTRIENTS:** Attended NST meeting. Updated language on nutrients webpage.

**BACWA BULLETIN:** Distributed July Bulletin. Drafted August Bulletin.

**RECYCLED WATER POLICY AMENDMENT:** Discussed permitting recycled water satellite facilities under State General Order with Regional Water Board staff.

**HG/PCBs:** Contacted community based organizations regarding new risk reduction work. Drafted Requests for Proposals.

**WETLANDS:** Reviewed 94-086 Wetlands Policy and member agency list of potential wetlands projects.

**CECs:** Developed list of factors to consider for POTW representation in CECs studies by the RMP.

**SELENIUM OBJECTIVES:** Reviewed USGS recommendation for selenium objectives in the South San Francisco Bay.

### **COMMITTEE SUPPORT:**

**AIR** – Reviewed consultant invoices. Discussed Annual meeting agenda, and future joint meeting with Water Board and Air District. Drafted Board Report.

**BAPPG** – Updated new webpages for baywise.org on pet flea treatment, veterinary resources, and safe medication disposal.

**Biosolids** – Solicited responses from Biosolids Survey. Planned next committee meeting. Discussed committee request to fund research into biosolids use in fire ravaged lands.

**Collection Systems** – Planned next meeting with committee chairs and Water Board staff. Reviewed permit language incorporating SSS WDR into NPDES permits.

**O&M Infoshare** – Developed survey and sent to members, along with meeting invitation.

**Permits** – Developed agendas and participated in conference call meeting. Drafted Board Report.

**Recycled Water** – Attended meeting and drafted notes. Worked on recycled water survey report.

**Executive Board** – Prepared for and attended Executive Board meeting. Edited action items and meeting minutes. Drafted agenda for 8/23 joint meeting with Regional Water Board.

**ADMINISTRATION/STAFF MEETING** – Managed committee Google Groups. Updated documents on website. Met with BACWA staff for planning and BACWA operations. Began to write up FY18 BACWA Annual Report. Reviewed and edited BACWA dues invoice cover letter.

**MEETINGS ATTENDED:** Permits Committee conference call (7/10), staff meeting (7/11), Recycled Water Committee (7/17), Executive Board meeting (7/20), NST meeting (7/20).

