



**Executive Board Meeting
AGENDA
Friday, July 20, 2018
EBMUD Headquarters, 2nd Floor Training Room
375 11th Street, Oakland, CA**

<u>Agenda Item</u>	<u>Time</u>	<u>Pages</u>
ROLL CALL AND INTRODUCTIONS	9:00 AM	
PUBLIC COMMENT	9:03 AM	
CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER	9:04 AM	
CONSENT CALENDAR	9:05 AM	
1 June 15, 2018, BACWA Executive Board Meeting Minutes		3-10
2 May 2018 Treasurer's Reports		11-21
APPROVALS & AUTHORIZATIONS	9:06 AM	
3 <u>Approval</u> : Annual Nutrient Watershed Payment & Voluntary Payment of Nutrient Science Funding		22-25
4 <u>Approval</u> : Amendment to HDR FY18 Optimization/Upgrade Report Agreement		26-28
5 <u>Approval</u> : Carollo FY19 Consulting Agreement for AIR Committee Support		29-36
6 <u>Approval</u> : Agreement with Solano Community College for FY19 (Fall 2018 & Spring 2019)		37-41
OTHER BUSINESS - POLICY/STRATEGIC	9:15 AM	
7 <u>Discussion</u> : Nutrients		
a. Regulatory		
i. Nutrient Strategy Team Update		
ii. Final Update on Optimization/Upgrade Report	Final Report	42-43
iii. Proposal for Water Board Workshop and Report Brochure Development		44
iv. Summary of Nutrient Surcharges for BACWA Members for FY19		
b. Technical Work		
i. Update on Nutrient Management Strategy Science Plan & Funding		45
c. Governance Structure		
i. Planning Subcommittee Meeting #32 Debrief		46-50
8 <u>Discussion</u> : Water Board Joint Meeting Draft Agenda	ERF Notice	51
9 <u>Discussion</u> : Pre-Pardee Technical Seminar Draft Agenda		52-55
10 <u>Discussion</u> : Countywide Water Reuse Master Plan Meeting		56-59
11 <u>Discussion</u> : AIR Committee/BAAQMD Annual Meeting Draft Agenda		60
12 <u>Discussion</u> : Joint Water Board/BAAQMD Case Study Review		
13 <u>Discussion</u> : State Water Board SSS WDR Update	Amended MRP WDR for Redlining	61-64
14 <u>Discussion</u> : Water Board Hearing on Wetlands Policy		65-68
15 <u>Discussion</u> : Request for Letter of Support for Title XVI WIIN Funding		69-71
OTHER BUSINESS - OPERATIONAL	11:00 AM	
16 <u>Discussion</u> : California Product Stewardship Council Update		
17 <u>Discussion</u> : BACWA Committee Leadership Succession Update for FY19		72
18 <u>Discussion</u> : Options for Supporting the Bay Area Biosolids Coalition		
19 <u>Discussion</u> : Operations & Maintenance Committee Meeting Attendance		73
20 <u>Discussion</u> : BACWA's Biosolids Survey Update		74-84
21 <u>Discussion</u> : Update on Permit Requirements for Risk Reduction		85-91

REPORTS		12:10 PM	
22	Committee Reports		92-103
23	Member Highlights		
24	Executive Director Report		104-116
25	Regulatory Program Manager Report		117
26	Other BACWA Representative Reports		
	a. RMP TRC	Mary Lou Esparza	
	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	
	Draft Strategic Plan	Executive Director Report	
	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. WateReuse Working Group	Cheryl Munoz;	
	r. San Francisco Estuary Partnership	Eileen White; Dave Williams	
	s. CPSC Policy Education Advisory Committee	Doug Dattawalker	
	t. California Ocean Protection Council	Lorien Fono	
27 SUGGESTIONS FOR FUTURE AGENDA ITEMS		12:27 PM	
NEXT MEETING		12:28 PM	
The next regular meeting of the Board is scheduled for August 17, 2018 from 9:00 am to 12:30 pm at SFPUC, 13th Floor, Hetch Hetchy Room, 525 Golden Gate Ave., San Francisco, CA.			
ADJOURNMENT		12:30 PM	

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
Eric Dunlavy	San Jose
Greg Baatrup	Fairfield Suisun
Bhavani Yerrapotu	Sunnyvale
David Senn	SFEI
Tom Hall	EOA, Inc.
Nirmela Arsem	EBMUD
Mike Falk	HDR
Elisa Lee	Wood & Curran/RMC
Jennie Pang	SFPUC
Amy Chastain	SFPUC
Daniella Brandao	Representing San Mateo
Sandeep Satnyamoorthy	Black & Veatch
Peter Kistenmacher	Black & Veatch
David Williams	BACWA
Lorien Fono	BACWA
Sherry Hull	BACWA

PUBLIC COMMENT

None.

CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER – None.

CONSENT CALENDAR

1. May 18, BACWA Executive Board Meeting Minutes – The approved minutes will be posted on the BACWA website.

2. April 2018 Treasurer's Reports and Financial Summary – A Financial Summary Report was included in the Packet. A copy of the FY18 Budget as of April 30, 2018, (83% 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 Jackie Zipkin and seconded by Eric Dunlavey. The motion was approved unanimously.

APPROVALS & AUTHORIZATIONS

3. Approval: BACWA Support of UC Merced Research on Biosolids in Soil Health & Climate Change Mitigation FY18 – A Board Action Request and Proposal from UC Merced were included in the Packet. The Executive Director gave an overview of the project.

Item 3: A motion to approve was made by Eileen White and seconded by Jackie Zipkin. The motion was approved unanimously.

4. Approval: Stephanie Hughes FY19 Consulting Agreement for BAPPPG Support – A Board Action Request, Consulting Agreement, Scope of Work and BAPPG Budget was included in the Packet. The Executive Director noted that this agreement is a result of the RFQ that was completed in FY18 and is included as a line item in the approved BAPPG Budget for FY19.

Item 4: A motion to approve was made by Jackie Zipkin and seconded by Lori Schectel. The motion was approved unanimously.

5. Approval: TDC Environmental, LLC FY19 Consulting Agreement for BAPPPG Support – A Board Action Request, Consulting Agreement, Scope of Work and BAPPG Budget was included in the Packet. The Executive Director noted that this agreement is a result of the RFQ that was completed in FY18 and is included as a line item in the approved BAPPG Budget for FY19.

Item 5: A motion to approve was made by Eileen White and seconded by Laura Pagano. The motion was approved unanimously.

6. Approval: O'Rourke, Inc. FY19 Consulting Agreement for BAPPPG Support – A Board Action Request, Consulting Agreement, Scope of Work and BAPPG Budget was included in the Packet. The Executive Director noted that this agreement is a result of the RFQ that was completed in FY18 and is included as a line item in the approved BAPPG Budget for FY19.

Item 6: A motion to approve was made by Eileen White and seconded by Jackie Zipkin. The motion was approved unanimously.

OTHER BUSINESS-POLICY/STRATEGIC

Agenda **Item 7** – Discussion: Nutrients

a. Regulatory

- i. Suisun Marsh DO TMDL Basin Plan Amendment Comment Notice – A Notice from the State Water Resources Control Board of an Opportunity to Comment was included in the Packet. The Executive Director gave an overview of the approval process. A Board Member gave an overview of the approach, whereby dissolved oxygen data were tied to beneficial uses. This resulted in a site specific daily objective of 3.8 mg/L DO, and a 5 mg/L monthly objective, with a description of how averaging periods would be measured. The approach may be useful for the Lower South Bay, although there is more data on DO and wildlife in that Bay segment. The Executive Director asked the Board if BACWA should comment. The Board suggested a general support comment letter.
- ii. Nutrient Strategy Team Meeting DRAFT Agenda – A Draft Agenda for the Nutrient Strategy Team Meeting on June 15, 2018 was included in the Packet. No changes were suggested by the Board.
- iii. Optimization/Upgrade Final Report - HDR provided an overview of the status of the final report which is due by July 1, 2018. Only two sign-off letters are missing and are expected before the deadline. The Board thanked the Executive Director for his stewardship of the process. A Board Member plans to share the report with CASA, and it will be posted on BACWA's website. The Board thanked BACWA Staff for keeping documents on the website up to date.
- iv. Proposal for Follow-on Work Items – The Executive Director mentioned two possible follow-on projects including a high-level brochure and a workshop for Water Board Staff. HDR is developing a scope for the projects. The Executive Director will contact the Water Board to determine a date for the workshop.

b. Technical Work -

- i. SFEI Update on the Nutrient Management Strategy Science Plan – Dr. David Senn provided an update on the Science Program, with particular emphasis on the status of modeling priorities. He also noted that they are developing scenarios, e.g. loads can be allowed to increase; current loads can continue but not increase; and current loads have adverse impacts and load reductions will be required and by how much. These roughly correlate with the nutrient reduction scenarios investigated in the Optimization/Upgrade studies, but a Board member requested that the science and technology scenarios be better aligned. The Board suggested another included scenario should be a null hypothesis: there is no problem with nutrients. There are four considerations for choosing studies to inform management decisions: 1) A plausible path forward; 2) data needs; 3) confidence or uncertainty in study output; 4) importance of issue.

c. Governance Structure –

- i. Steering Subcommittee Meeting #17 Debrief – The Summary of the June 8, 2018

- meeting was included in the Packet. The Executive Director noted the key discussion issues of staff turnover at SFEI resulting in a scaling back of budget; a discussion on coastal exchange of nutrients; a motion to go forward with a project to assess the nutrient loads from and to the coastal ocean when more details, scope and deliverables are provided; a presentation on the Suisun Marsh DO TMDL; an update on DO in the South Bay; an update on the General Additive Model tool; and a discussion on approaches for management and funding of technical publications.
- ii. Current Composition of Nutrient Management Strategy Committee – A list of the members of the Nutrient Management Strategy Committee was included in the Packet. The Executive Director noted the new members and that there is good regional representation at a high level.

Agenda **Item 8** - Discussion: Joint Meeting with Water Board Debrief – Notes from the June 1, 2018 meeting were included in the Packet. The ED/RPM gave an overview of the meeting, noting that the discussions included an Optimization/Upgrade Workshop, climate change, and the Triennial Review. The Water Board Staff supported BACWA's approach to Risk Reduction.

Agenda **Item 9** – Discussion: Federal Water Quality Coalition Regulatory Update – A cover memo and updated issues matrix were included in the Packet. The Regulatory Program Manager noted that the FWQC has been recently focused on the issue that discharges to ground water should not be covered by NPDES permits. The Board suggested a review of all BACWA supported collaboratives in advance of the next budget cycle, so the FY20 budget will reflect the latest interest of the Board in supporting collaboratives.

Agenda **Item 10** – Discussion: Basin Plan Triennial Review Update Comments – A Comment Letter on the 2018 Triennial Review for the Water Quality Control Plan, San Francisco Bay Basin dated June 8, 2018 was included in the Packet. The Regulatory Program Manager gave an overview of the letter.

Agenda **Item 11** – Discussion: Recycled Water Policy Comment Letter DRAFT – A Comment Letter from WateReuse California and an outline for a BACWA Comment Letter were included in the Packet. Also included were a [LINK](#) to the Draft Amendment and a [LINK](#) to the Marked-Up Draft Amendment. The Regulatory Program Manager gave an over view of what will be in the letter and the Executive Director will circulate the draft letter to the Board when it is in final draft form and welcomes suggestions. A Board member was particularly concerned about proposed language that would make it a goal to minimize discharges to enclosed Bays and the Ocean.

Agenda **Item 12** – Discussion: Chlorine Residual Basin Plan Amendment Update – Dr. Thomas Hall of EOA, Inc. provided an update to the Board noting that an update was given to the Water Board. Currently working on an update of sodium bisulfate usage, how to calculate deep water limits, and how to feasibly implement Water Quality criteria expressed in one-hour limits.

Agenda **Item 13** – Discussion: Toxicity Litigation Update – An email regarding TST Litigation and a [LINK](#) to a Toxicity Memorandum were included in the Packet. The Executive Director gave an overview of the status of the litigation. Following a second petition, a settlement meeting is being scheduled with EPA Region 9.

OTHER BUSINESS-OPERATIONAL

Agenda **Item 14** – Discussion: Revision of BACWA Target Reserves – The Executive Director gave an overview of the current status and asked the Board for input. The Board asked the Executive Director to develop several 5-Year Projection options with varying levels of reserves and return to the Board at the July 2018 Board meeting.

Agenda **Item 15** – Discussion: Options for Supporting the Bay Area Biosolids Coalition – This item was carried forward to the July 20, 2018 BACWA Executive Board Meeting Agenda.

Agenda **Item 16** – Discussion: Coalition of Accredited Laboratories Organizing Committee – An email from SCAP and a Letter on the TNI standards from the Coalition of Accredited Laboratories to the California State Water Resources Control Board, with 130 signatures, was included in the Packet. The Executive Director gave an overview and asked the Board for input on signing onto the letter. The Chair of the BACWA Laboratory Committee provided the history of the issue and noted that the committee does not recommend that BACWA sign this letter. The Board indicated that it conceptually supports the efforts to point out the significant concerns with the TNI standards but also respects the Committee's recommendation and suggested they come back to the Board when there is an issue for which BACWA's support would be recommended.

Agenda **Item 17** – Discussion: BAAQMD Annual Meeting Draft Agenda – A Draft Agenda for the August 6, 2018 Annual BACWA AIR Committee and BAAQMD Meeting was included in the Packet. The Regulatory Program Manager gave an overview of the agenda. The consultant that supports the AIR Committee will provide more information to the Board at the July 20, 2018 Board meeting. There will also be more discussion about a future joint meeting with the Water Board and AIR district.

Agenda **Item 18** – Discussion: Public Policy Institute of California Roundtable Discussion -A email from PPIC was included in the Packet. The Executive Director noted that BACWA has provided PPIC with \$5,000 in support in FY18 and asked the Board if there was interest in having BACWA organize a meeting with wastewater managers on water conservation. The Board indicated that they support the issue, but that finding time for a separate meeting would be difficult. They asked the Executive Director to obtain dates and times that would work for PPIC and poll BACWA Managers for interest. The Regulatory Program Manager noted that there

is a good article on the issue, *Water Use Efficiency, Conservation, and Declining System Flows* online at this [LINK](#).

Agenda **Item 19** – Discussion: Advanced Quantitative Precipitation Information (AQPI) X-Band Radar Funding Update – The Executive Director gave an overview of the history of this issue noting that he had informed Board members of the cost reduction to \$2,500/month. The Board suggested that individual BACWA members may wish to support the program, but that the operation of the radar center was not significantly enough aligned with BACWA’s mission to warrant on-going financial support by BACWA.

REPORTS

Agenda **Item 20** – Committee Reports – BACWA Committee Reports were included in the Packet. A was included in the Packet.

AIR Committee: No meeting.

BAPPG Committee: A report from the June 6, 2018 meeting was included in the Packet.

Biosolids Committee: No meeting.

Collections Committee: No meeting.

InfoShare - Asset Management: A report from the May 16, 2018 meeting was included in the Packet. A [LINK](#) to a presentation on Asset Management in the Vertical World was included in the Packet.

InfoShare – Operations & Maintenance: No meeting.

Lab Committee: No meeting.

Permits Committee: A report from the June 12, 2018 meeting was included in the Packet.

Pretreatment Committee: No meeting.

Recycled Water Committee: A report from the May 15, 2018 meeting was included in the Packet.

Agenda **Item 21** - 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: Will be contacting Board Members regarding a gathering for the retiring General Manager.

EBMUD: No report.

Central Contra Costa: No report.

San Francisco: No report.

San Jose: Reiterated their support for reimbursement to BACWA Representatives for contributions to ASC/SFEI Board.

Delta Diablo: No report.

Sunnyvale: No report.

Agenda **Item 22** - The **Executive Director's (ED) Report** for May 2018, along with the Board Calendar, and BACWA Action Items, were included in the Packet. It was noted that 57 of 60 action items from FY18 have been completed.

Agenda **Item 23** - The **Regulatory Program Manager (RPM) Report** for May 2018 was included in the Packet.

Agenda **Item 24 - 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 – A [LINK](#) to the Packet for the May 21, 2018 meeting was included in the Packet.
- d. ASC/SFEI: Laura Pagano; Dave Williams; Amit Mutsuddy; Karin North – No report.
- e. Nutrient Governance Steering Committee: Eric Dunlavey; Eileen White; Bhavani Yerrapotu; Lori Schectel – No report.
 - i. Nutrient Planning Subgroup: Eric Dunlavey
 - iii. 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 – A [LINK](#) to the Packet for the May 21, 2018 meeting was included in the Packet.
- 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. WaterReuse Working Group: Cheryl Munoz – No report.
- r. **San Francisco Estuary Partnership** – Eileen White; Dave Williams – A [LINK](#) to a presentation on Operational Landscape Units was included in the Packet.
- s. CPSC Policy Education Advisory Committee – Doug Dattawalker – No report.
- t. California Ocean Protection Council – Lorien Fono – No report.

Agenda **Item 25 - SUGGESTIONS FOR FUTURE AGENDA ITEMS.** Review of Risk Reduction consultants; review of BACWA supported collaboratives; target reserve options.

ANNOUNCEMENTS:

The next regular meeting of the Board is scheduled for **July 20, 2018 from 9:00 am – 12:30 pm** at the **EBMUD Headquarters Building, 2nd Floor Large Training Room, 375 11th Street, Oakland, CA**

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

The meeting adjourned at 12:30 pm.



MONTHLY FINANCIAL SUMMARY REPORT May 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 May 31, 2018 was \$1,236,390 which is significantly higher than the target reserve of \$160,000 which is intended to cover 3 months of normal operating expenses. \$120,341 of the ending fund balance is shown on the May Fund & Investments Balance Report as obligated to meet on-going operating line item expenses for BAPPG Committee Support, Legal services, IT services, Board meeting expenses, accounting services and BACWA staff support (including \$31,082 that was carried forward into FY18). This leaves an actual unobligated excess fund balance of \$1,116,049 as of May 31, 2018. 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 May 31, 2018 was \$1,889,912 which is significantly higher than the target reserve of \$400,000. \$226,106 of the ending balance is obligated to meet line item expenses for completion of the Optimization/Upgrade Studies contract, the Risk Reduction contracts, and for technical support. This leaves an actual unobligated excess fund balance of \$1,663,807 as of May 31, 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 May 31, 2018 (83% of the FY) are at 101% 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 May, 2018 includes \$5,788 interest from the investment of Funds in LAIF for the 4th quarter of FY17.



MONTHLY FINANCIAL SUMMARY REPORT
May 2018

Overall Expenses as of May 31, 2018 (92% of the FY) are at 79% due primarily to timing of payments.

Those needing additional explanation are:


Administration: This category is 40% expended at 92% of the FY due primarily to timing of invoices and low administrative expenses.

Legal: This category is 18% expended at 92% of the FY due primarily to little need for regulatory legal support.

Committees: This category is 67% expended at 92% of the FY due primarily to timing of expenditures by the Committees.

Collaboratives: This category is 116% expended at 92% of the FY due primarily to Board approval of a contribution to PPIC that was not budgeted in FY18.

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.

				92% of Budget		
<u>BACWA FY18 BUDGET</u>	<u>Line Item Description</u>	<u>FY 2018 Budget</u>	<u>Actuals May 2018</u>	<u>Actual % of Budget May 2018</u>	<u>Variance</u>	<u>NOTES</u>
REVENUES & FUNDING						
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	\$0		\$0	Carry forward of Passthrough funds for Pharm Study into FY18
	AIR Non-Member	\$6,477	\$6,477	100%	\$0	2% increase.
	BAPPG Non-Members	\$3,774	\$3,774	100%	\$0	2% increase.
	Other	\$0	\$0		\$0	
Fund Transfer	Special Program Admin Fees	\$2,550	\$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
	Total Revenue	\$2,205,469	\$2,221,102	101%	\$15,633	
BACWA FY18 BUDGET						
<u>BACWA FY18 BUDGET</u>	<u>Line Item Description</u>	<u>FY 2018 Budget</u>	<u>Actuals May 2018</u>	<u>Actual % of Budget May 2018</u>	<u>Variance</u>	<u>NOTES</u>
EXPENSES						
Labor						
	Executive Director	\$195,998	\$179,665	92%	-\$16,333	3.5% CPI (SF/Oakland/San Jose Metro Area Dec 2016)
	Assistant Executive Director	\$87,975	\$81,436	93%	-\$6,539	3.5% CPI (SF/Oakland/San Jose Metro Area Dec 2016)
	Regulatory Program Manager	\$116,438	\$99,624	86%	-\$16,814	3.5% CPI (SF/Oakland/San Jose Metro Area Dec 2016)
	Total	\$400,411	\$360,725	90%	-\$39,686	
Administration						
	EBMUD Financial Services	\$40,000	\$14,039	35%	-\$25,961	
	Auditing Services (Maze)	\$6,300	-\$59	-1%	-\$6,359	FY18: \$6,200 Accrued from FY17 to FY18, less \$1,832 paid for FY17 in July 2017.
	Administrative Expenses	\$7,500	\$5,058	67%	-\$2,442	Travel, Supplies, Parking, Mileage, Tolls, Misc.
	Insurance	\$4,500	\$4,278	95%	-\$222	
	Total	\$58,300	\$23,316	40%	-\$34,984	
Meetings						
	EB Meetings	\$2,500	\$1,642	66%	-\$858	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	\$4,876	98%	-\$124	Holiday Lunch, Committee Chair Lunch, Staff Mtgs, Finance Comm, Summit Partners, CASA, NACWA, Toxicity WS
	Total	\$23,500	\$19,586	83%	-\$3,914	
Communication						
	Website Hosting (Computer Courage)	\$600	\$600	100%	\$0	
	File Storage (Box.net)	\$750	\$720	96%	-\$30	
	Website Development/Maintenance	\$1,200	\$2,919	243%	\$1,719	Domains, website changes, mobile layer
	IT Support (As Needed)	\$2,600	\$203	8%	-\$2,397	
	Other Commun (Software)	\$1,100	\$1,317	120%	\$217	MS Exchange, Survey Monkey, CrashPlanPro, Doodle, Carbonite
	Total	\$6,250	\$5,759	92%	-\$491	

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.
	Total	\$4,600	\$814	18%	-\$3,786	
Committees						
	AIR	\$50,000	\$26,952	54%	-\$23,048	FY18: Agrmt with Carollo for \$50,000. RPM lunches will also be included, but not in budget.
	BAPPG	\$100,000	\$92,795	93%	-\$7,205	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	\$215	22%	-\$785	
	Pretreatment	\$7,000	\$707	10%	-\$6,293	Includes Training & Factsheet
	Recycled Water Committee	\$1,000	\$0	0%	-\$1,000	
	Misc Committee Support	\$35,000	\$14,766	42%	-\$20,234	Carollo Rule 11-18
	Manager's Roundtable	\$1,000	\$642	\$0	-\$358	New line item in FY18
	Total	\$206,300	\$139,133	67%	-\$67,167	
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	\$6,500	217%	\$3,500	FY18: Includes \$5,000 to PPIC approved by Board Sept, 2017
	Total	\$21,500	\$25,000	116%	\$3,500	
Other						
	Unbudgeted Items					
	Passthrough	\$0	\$23,100		-\$23,100	Passthrough for Pharm Study; bal at end of FY17: \$23,100
	Other	\$0	\$0		\$0	Misc Expense Items Not Budgeted
		\$0	\$23,100		\$0	
Tech Support						
	Technical Support					
	Nutrients					
	Watershed	\$880,000	\$880,000	100%	\$0	
	NMS Voluntary Contributions	\$0	\$200,000		\$200,000	FY18: \$200,000 add'l funds approved by Board August 2017
	Additional work under permit	\$100,000	\$0	0%	-\$100,000	FY18: Increased at Board's request
	Opt/Upgrade/Annual Reporting Studies	\$372,298	\$26,304	7%	-\$345,994	FY18: Balance remaining on agreement at end of FY16 less FY17 budgeted amount
	Nutrient Program Coordination	\$50,000	\$0	0%	-\$50,000	
	Voluntary Nutrient Contributions	\$30,000	\$0	0%	-\$30,000	FY18: Palo Alto (\$30k)
	General Tech Support	\$50,000	\$28,887	58%	-\$21,113	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
	Total	\$1,482,298	\$1,143,166	77%	-\$339,132	
	TOTAL EXPENSES	\$2,203,159	\$1,740,599	79%	-\$462,560	
	NET INCOME BEFORE TRANSFERS	\$2,310	\$480,503			
	TRANSFERS FROM RESERVES	\$0				
	NET INCOME AFTER TRANSFERS	\$2,310				

CHECK ON BACWA LIQUIDITY THRESHHOLD

	<u>June</u>	FY19 <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>	BUDGET Totals FY 18	EST BUDGET Totals FY19
BEGINNING UNOBLIGATED FUND BALANCE	\$3,426,302	\$3,332,705	\$3,254,838	\$3,725,241	\$3,115,644	\$3,586,048	\$4,056,451	\$3,978,584	\$3,900,717	\$3,822,850	\$3,744,983	\$3,667,116		
Average Monthly Revenues	\$0	\$0	\$548,270	\$548,270	\$548,271	\$548,270	\$0	\$0	\$0	\$0	\$0	\$0	\$2,205,469	\$2,193,081
Average Monthly Expenditures (Less Large one time Expenses)	(\$93,597)	(\$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	\$934,401
Less Large Expenditures	\$0	\$0	\$0	(\$1,080,000)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
NET AVAILABLE FOR INVESTMENT	\$3,332,705	\$3,254,838	\$3,725,241	\$3,115,644	\$3,586,048	\$4,056,451	\$3,978,584	\$3,900,717	\$3,822,850	\$3,744,983	\$3,667,116	\$3,589,249		
NEW INVESTMENTS														
Higher Yield (non-liquid)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$905,000)	(\$765,000)		
MATURITIES/Called														
Higher Yield (non-liquid)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$140,000		
AVAILABLE LIQUID FUNDS	\$2,427,705	\$2,349,838	\$2,820,241	\$2,210,644	\$2,681,048	\$3,151,451	\$3,073,584	\$2,995,717	\$2,917,850	\$2,839,983	\$2,762,116	\$2,964,249		
TARGET AVAILABLE LIQUID FUNDS	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok	\$1,500,000 ok		



Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

June 21, 2018

MEMO TO: Bay Area Clean Water Agencies Executive Board
MEMO FROM: D. Scott Klein, Controller, East Bay Municipal Utility District
SUBJECT: Eleventh 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 May 31, 2018** (eleven 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 May 31, 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	693,812	597,431	1,236,390	120,341	1,116,049
804	LEGAL RSRV	300,000	-	-	300,000	-	300,000
805	CBC	1,505,790	1,527,290	1,143,167	1,889,912	226,106	1,663,807
	SUBTOTAL 1	2,945,799	2,221,102	1,740,598	3,426,302	346,446	3,079,856
810	WOT	109,916	141,000	42,702	208,214	-	208,214
	SUBTOTAL 2	109,916	141,000	42,702	208,214	-	208,214
811	PRP84	117,907	2,112,849	2,112,849	117,907	-	117,907
	SUBTOTAL 3	117,907	2,112,849	2,112,849	117,907	-	117,907
	GRAND TOTAL	3,173,622	4,474,952	3,896,150	3,752,423	346,446	3,405,977

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

BACWA INVESTMENTS BALANCES - DATA PROVIDED BY TREASURY DEPT.													
DEPTID	DESCRIPTION	FISCAL YEAR BEGINNING FUND BALANCE	TOTAL RECEIPTS TO-DATE	TOTAL DISBURSEMENTS TO-DATE	MONTH-ENDING FUND BALANCE	RECONCILIATION TO FINANCIAL STATEMENTS	MONTH-END RECONCILED FUND BALANCE	UNINVESTED CASH BALANCES	LAIF INVESTMENTS AMOUNTS	LAIF INVESTMENTS PERCENTAGE	ALTERNATIVE INVESTMENTS AMOUNTS	ALTERNATIVE INVESTMENTS IDENTIFIERS	ALTERNATIVE INVESTMENT INSTRUCTIONS AND NOTES
800	BACWA	1,140,008	693,812	597,431	1,236,390	37,398	1,273,788	436,100	837,688	37%	-	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	1,143,167	1,889,912	-	1,889,912	-	1,424,912	63%	465,000	G64, ME2	priority # 2 for allocation
	SUBTOTAL 1	2,945,799	2,221,102	1,740,598	3,426,302	37,398	3,463,700	436,100	2,262,600	100%	765,000		
810	WOT	109,916	141,000	42,702	208,214	-	208,214	208,214	-	0%	-		pass-through funds, no allocation
	SUBTOTAL 2	109,916	141,000	42,702	208,214	-	208,214	208,214	-	0%	-		
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
	SUBTOTAL 3	117,907	2,112,849	2,112,849	117,907	-	117,907	117,907	-	0%	-		
	GRAND TOTAL	3,173,622	4,474,952	3,896,150	3,752,423	37,398	3,789,821	762,221	2,262,600		765,000		

Reconciliation to Trial Balance - accrual basis

Per Report above:

General	2,221,102
WOT	141,000
PROP	2,112,849
subtotal	4,474,952

Billings-Pending Receipts

4686	Mem Contrib	1,500
4687	Transfer	-
4690	Assoc Contrib	-
4696	Other	69,999
4731	State Grant	-
4732	Grant Retention	182,094
subtotal		253,593

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	(910,258)
4731	State Grant	(2,065,439)
4732	Grant Retention	(229,504)
subtotal		(4,728,544)
Difference		(0)

BACWA Revenue Report as of May 31, 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	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	1,800	-	-	3,600	-	-	3,600	6,400
800	BACWA	1014550	BDO-Other Receipts (PHARM)	-	-	-	-	-	-	-	-	-
800	BACWA	1014514	GBS-Meeting Support-Annual	-	-	-	-	-	-	-	-	-
BACWA TOTAL				700,469	1,800	-	2,550	3,600	675,972	14,240	693,812	6,657
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	-	1,875	-	-	6,745	-	-	6,745	(6,745)
805	WQA-CBC	1014528	BDO-Voluntary Nutrient Contrib	30,000	-	-	-	-	30,000	-	30,000	-
WQA CBC TOTAL				1,505,000	1,875	-	-	6,745	1,505,008	15,537	1,527,290	(22,291)
TOTAL				2,205,469	3,675	-	2,550	10,345	2,180,980	29,777	2,221,102	(15,634)

	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	-	-	-	-	-	-	-	-	-
WOT TOTAL				-	-	-	-	-	141,000	-	141,000	(141,000)

	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE				UNOBLIGATED
					Admin & General	Contributons	Interest, Transfers, Others	Admin & General	Contributons	Interest, Transfers, Others	ACTUAL	
811	PROP 84			-	-	-	-	11	2,112,838	0	2,112,849	(2,112,849)
PROP TOTAL				-	-	-	-	11	2,112,838	0	2,112,849	(2,112,849)

Grand Total				2,205,469	3,675	-	2,550	10,356	4,434,818	29,777	4,474,952	(2,269,484)
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BACWA Expense Detail Report as of May 31, 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	(32,666)	32,666	-	-	16,333	179,665	-	-	195,998	-
AS-Assistant Executive Directo	1011124	87,975	(8,167)	8,167	-	-	6,539	81,436	-	-	87,975	-
AS-Regulatory Program Manager	1011149	116,438	(16,348)	16,348	-	-	16,814	99,624	-	-	116,438	-
ADMINISTRATION												
AS-EBMUD Financial Services	1011125	40,000	-	-	-	-	25,961	14,039	-	-	40,000	-
AS-Audit Services	1014512	6,300	-	-	-	-	6,300	1,842	4,299	(6,200)	6,241	59
AS-BACWA Admin Expense	1011118	7,500	-	-	1,011	-	-	-	5,058	-	5,058	2,442
AS-Insurance	1011126	4,500	-	-	-	-	-	-	4,278	-	4,278	222
MEETINGS												
GBS-Meeting Support-Exec Bd	1014513	2,500	-	-	137	-	503	497	1,146	-	2,146	354
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	-	-	864	-	-	-	4,876	-	4,876	124
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	-	-	89	-	-	-	1,317	-	1,317	(217)
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	(4,983)	4,983	-	-	21,271	26,273	679	-	48,223	1,777
BC-BAPPG	1011147	100,000	(9,397)	9,397	-	-	6,595	71,861	20,934	-	99,390	610
BC-Biosolids Committee	1011101	3,100	-	-	-	-	-	-	646	-	646	2,454
BC-Collections System	1011097	1,000	-	-	-	-	-	-	-	-	-	1,000
BC-InfoShare Groups	1011102	1,200	-	-	163	-	-	-	976	-	976	224
BC-Laboratory Committee	1011103	6,000	-	-	-	-	-	-	1,434	-	1,434	4,566
BC-Permit Committee	1011098	1,000	-	-	-	-	-	-	215	-	215	785
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	-	-	-	-	13,840	14,766	-	-	28,606	6,394
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	-	-	-	-	-	-	6,500	-	6,500	(3,500)
BDO-Contract Expenses (PHARM)												
BDO-Contract Expenses (PHARM)	1014551	-	-	-	-	-	-	23,100	-	-	23,100	(23,100)
BACWA TOTAL		720,861	(71,561)	71,561	2,263	-	120,341	514,119	89,612	(6,300)	717,771	3,090
TECH SUPPORT												
WQA-CE Addl Work Under Permit	1014254	100,000	-	-	-	-	57,000	-	-	-	57,000	43,000
WQA-CE-Technical Support	1011127	50,000	-	-	-	-	80,554	18,946	9,942	-	109,442	(59,442)
WQA-CE CASA Chem of Concern	1011128	-	-	-	-	-	-	-	-	-	-	-
WQA-CE Opt-Upgrade Studies	1014255	372,298	-	-	-	-	88,552	26,304	-	-	114,856	257,442
WQA-CE Risk Reduction	1014023	-	-	-	-	-	-	-	7,975	-	7,975	(7,975)
WQA-CE-Nutrient WS Permit Comm	1014021	880,000	-	-	-	-	-	-	1,080,000	-	1,080,000	(200,000)
WQA-CE-Program Mgmt	1011131	50,000	-	-	-	-	-	-	-	-	-	50,000
WQA-CE Voluntary Nutr Contrib	1014529	30,000	-	-	-	-	-	-	-	-	-	30,000
TECH SUPPORT (CBC) TOTAL		1,482,298	-	-	-	-	226,106	45,250	1,097,917	-	1,369,273	113,025
GRAND TOTAL		2,203,159	(71,561)	71,561	2,263	-	346,446	559,370	1,187,529	(6,300)	2,087,044	116,115
								1,740,598				
WOT												
Administrative Support	1011142	-	-	-	-	2,550	-	-	-	2,550	2,550	(2,550)
BDO Contract Expenses	1011143	-	-	-	-	-	-	-	40,152	-	40,152	(40,152)
						2,550	-	-	40,152	2,550	42,702	(42,702)
GRAND TOTAL (BDO, CBC, WOT)		2,203,159	(71,561)	71,561	2,263	2,550	346,446	559,370	1,227,681	(3,750)	2,129,746	73,413

Proposition 84 Revenue Report as of May 31, 2018

DEPTID	DEPARTMENT	JOB	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE				UNOBLIGATED
					Admin & General	Contributons	Interest, Transfers,O thers	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)
PROP 84 TOTAL				-	-	-	-	11	2,112,838	0	2,112,849	(2,112,849)

Propositon 84 Expense Detail Report for May 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)
PRP84 TOTAL			-	-	-	-	-	-	-	2,112,849	-	2,112,849	(2,112,849)



EXECUTIVE BOARD AUTHORIZATION REQUEST

AGENDA NO.: 3

FILE NO.: 19-13

MEETING DATE: July 20, 2018

TITLE: Payment to SFEI in accordance with the terms of the Nutrient Watershed Permit and voluntary contribution to the Nutrient Management Strategy Science Program as part of the effort to pursue science in advance of regulatory mandates.

☐ RECEIPT

☐ DISCUSSION

☐ RESOLUTION

☒ APPROVAL

RECOMMENDED ACTION

Authorize payment in the amount of \$880,000 to SFEI for the FY19 Annual Nutrient Watershed payment and a voluntary contribution in the amount of \$200,000 to SFEI for the FY19 voluntary funding of the Nutrient Management Strategy Science Program.

SUMMARY

The Watershed Permit for Nutrients from Municipal Wastewater Dischargers to San Francisco Bay, NPDES Permit No. CA 0068873 adopted April 14, 2014, requires the commitment of \$880,000 per year from POTW Dischargers as a collective effort to fund needed scientific studies as part of the implementation of the Regional Water Quality Control Board's Nutrient Management Strategy (NMS). The commitment is on a fiscal year basis and began July 1, 2014. BACWA's role in meeting this commitment is to collect the needed funds from its membership and provide those funds to SFEI for undertaking scientific studies as proposed in the 10-year Science Plan.

The NMS Science Plan is significantly underfunded. In addition, there does not appear to be any near term threat of impairment to San Francisco Bay which requires immediate regulatory action to cap nutrient loads. Given this situation, the Regional Water Board prefers accelerated funding of the Science Plan so that by the end of the 2nd Nutrient Watershed Permit they will have much better scientific information on which to base any regulatory actions. Since the 2nd Watershed Permit does not take effect until 2019, BACWA has agreed to voluntarily increase its funding of the science contingent upon the Letter of Intent (LOI) received from the Water Board staff on October 9, 2017 regarding key tenets that they would propose to be include in the 2nd Watershed Permit. This Board authorization will allow the Executive Director to pay both the annual commitment and the voluntary funding in FY 2019 to SFEI.

FISCAL IMPACT

This payment and subsequent annual payments to fund the scientific studies will be collected from the BACWA membership through a Nutrient Surcharge that is included on the annual dues invoices to the BACWA members. The FY19 BACWA member invoices are scheduled to be distributed in July and August 2018 and will result in the collection of the needed funds for the FY 19 payments.

ALTERNATIVES

Do not fund: This is not recommended since BACWA is required by the Nutrient Watershed Permit to pay the annual commitment and all of the BACWA members included in the 1st Watershed Permit have indicated their interest in increasing the funding of the science to get better data upon which to base any future regulations as opposed to implementing more conservative numeric regulations in the 2nd Watershed Permit.

Attachments:

SFEI Funds Request Letter FY19
SFEI FY19 Invoice

Approved: _____
Lori Schectel, Chair,
BACWA Executive Board

Date: _____

July 3, 2018

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

Cc: Thomas Mumley, Naomi Feger, San Francisco Bay Regional Water Quality Control Board

Subject: Distribution of WS Permit Funds

Dear Mr. Williams,

We request that BACWA transfer \$1,080,000 of the Nutrient Watershed Permit FY2019 funds to SFEI. SFEI will use these funds to carry out the FY2019 studies approved by the Nutrient Management Strategy Steering Committee at their June 8, 2018 meeting, some of which had effective start dates of July 1, 2018.

All of the work carried out using the Nutrient Watershed Permit funds will be overseen by the Steering Committee, as outlined in the Nutrient Management Strategy Charter. SFEI will meet with and provide periodic updates to the Steering Committee on work progress and finances, and receive feedback on work to date and advising on future activities.

Please let me know if any other information is required. Thank you.

Sincerely,
David Senn, Ph.D.
4911 Central Ave.
Richmond, CA 94804
davids@sfei.org
p: 510-746-7366
f: 510-746-7300



Invoice

**San Francisco Estuary Institute
4911 Central Ave.
Richmond, CA 94804
EIN 94-2951373**

July 13, 2018
Project No: 1092.70
Invoice No: 1092701

Bay Area Clean Water Agency
PO Box 24055, MS702
Oakland, CA 94623

Project 1092.70 SF Bay Nutrient Strategy Support FY2019
attn: Sherry Hull

Professional Services from July 01, 2018 to June 30, 2019

Fee	880,000.00
Fee	200,000.00
Total this Invoice	\$1,080,000.00



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 4

FILE NO.: 19-14

MEETING DATE: July 20, 2018

TITLE: Approval of Amendment #4 to Optimization/Upgrade Contract with HDR

☐ RECEIPT

☐ DISCUSSION

☐ RESOLUTION

☒ APPROVAL

RECOMMENDED ACTION

Approve Amendment No. 4 to the HDR contract 13,397 approved on September 9, 2014 in the amount of \$29,410.00 to conduct a special workshop with the Water Board and work with the CMG to produce a Summary Brochure of the Optimization/Upgrade Report.

SUMMARY

HDR currently has a lump sum contract to complete the Optimization/Upgrade studies required by the Nutrient Watershed Permit. Amendment No. 4 will add two scope of work items to provide for the preparation for and attendance at a workshop with the Water Board to present the findings of the Nutrient Reduction Study; and to develop a 2-4 page Brochure that summarizes the information in the Nutrient Reduction Study for the general public and elected officials. The consultant will work with BACWA's Contract Management Group in the preparation of the brochure.

FISCAL IMPACT

This scope of work was not included in the original lump sum contract for the HDR work but adequate funds are available in the BACWA budget under a line item for additional work needed on the Nutrient Watershed Permit.

ALTERNATIVES

One alternative is to scale back the development and preparation of the brochure and/or the workshop with the Water Board. This alternative is not recommended since having the Water Board thoroughly briefed on the content of the 1417-page Optimization/Upgrade Report is important to help ensure that the regulators clearly understand the ramifications of regulations to reduce nutrient loadings, while a professional brochure will assist BACWA members in conveying the results of the study to their elected officials and the public.

A second alternative is to not proceed with the work. This is not recommended for similar reasons. .

Attachments: Scope of Work

Approved:

Date:

Lori Schectel, Chair
BACWA Executive Board



July 3, 2018

Mr. David R. Williams, Executive Director
Bay Area Clean Water Agencies
PO Box 24055, MS 50
Oakland, CA 94623

Re: Nutrient Optimization and Upgrades Study, Proposed Amendment 4

Dear Mr. Williams:

At your request, HDR is pleased to present this proposal for additional services related to the Nutrient Reduction Study. The final Nutrient Reduction Study report was finalized and submitted in late June, 2018. This amendment would add two tasks, including 1) a meeting with the Water Board to review the report and 2) preparation of a brochure to summarize key information in the Nutrient Reduction Study. The proposed tasks are described below, followed by our estimated level of effort and proposed schedule.

Task 11 – Meeting with the Water Board

The Consultant will prepare for and attend a meeting with the Water Board to present the findings and results in the Nutrient Reduction Study. Consultant will prepare a brief presentation to share with the Water Board during a two-hour meeting. Consultant will submit a draft presentation to the CMG for review and comment in advance of the meeting with the Water Board.

Task 12 – Summary Brochure

The Consultant will prepare a 2 to 4 page brochure that summarizes the information presented in the Nutrient Reduction Study. The intended audience will be the general public and elected officials. The brochure will include graphics, tables, and text. It is assumed that up to two drafts of the brochure will be submitted to the CMG for review and comment prior to submission of the final brochure.

This task will include 3 monthly calls with the CMG to discuss anticipated content, and comments on each draft. (Note that we anticipate these calls will also include discussion on the presentation for the Water Board meeting as well as the 17/18 Group Annual Report.)

We propose to complete the services described above for the lump sum fee summarized in the table on the following page.

Task	Estimated Fee
Task 11 – Water Board Meeting	\$3,200
Task 12 – Summary Brochure	\$26,210
Total Amendment No. 4 Request	\$29,410

The meeting with the Water Board is scheduled for September 17, 2018. We anticipate that the summary brochure will be finalized within three months of notice to proceed.

If you have any questions, please do not hesitate to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "H. Kennedy", with a stylized flourish at the end.

Holly L.L. Kennedy, P.E.
Senior Vice President



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 5

FILE NO.: 19-15

MEETING DATE: July 20, 2018

TITLE: Request for BACWA Executive Board Approval for Amendment #2 to the Agreement with Carollo Engineers for AIR Committee Support

☐ RECEIPT

☐ DISCUSSION

☐ RESOLUTION

☒ APPROVAL

RECOMMENDED ACTION

Authorize Amendment #2 to the contract with Carollo Engineers to implement the Fiscal Year 2019 BACWA and Special Programs Budget and Workplan AIR Committee Support line item for a not to exceed amount of \$50,000.

SUMMARY

The BACWA fiscal year (FY19) begins July 1, 2018. The BACWA Air Issues and Regulations (AIR) committee is supported by a consultant who hosts meetings, provides regulatory and technical updates, and facilitates coordination between POTWs and regulators. Following the expiration of the previous support agreement, BACWA solicited proposals for FY17 with the option of extending the agreement for an additional two years. A Request for Proposals was submitted to ten prospective vendors and two proposals were submitted. Following a review by a selection committee made up of BACWA members, Carollo Engineers was chosen. The AIR Committee is requesting that BACWA extend the agreement with Carollo through FY19.

FISCAL IMPACT

The funding for this contract is consistent with the Fiscal Year 2019 workplans and budget for BACWA and Special Programs.

ALTERNATIVES

Discontinue consultant support for BACWA's AIR committee. This alternative is not recommended, since member agencies have expressed the need for expert assistance on air issues that affect POTWs in the Region and Carollo was selected through a competitive process.

Attachments: FY19 Amendment #2 to Agreement with Carollo Engineers, Inc.

FY17 Agreement with Carollo Engineers, Inc.

Carollo Engineers, Inc. Scope of Work and FY19 Rates

Approved: _____

Lori Schectel, Chair,
BACWA Executive Board

Date: July 20, 2018

BAY AREA CLEAN WATER AGENCIES PROFESSIONAL SERVICES CONTRACT

This PROFESSIONAL SERVICES CONTRACT, effective July 1, 2016, 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 59, Oakland, CA 94623, and Carollo Engineers, Inc. (“Consultant”), a private corporation doing business at 2700 Ygnacio Valley Road, Suite 300, Walnut Creek, CA 94598 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. The contract will begin July 1, 2016. BACWA will pay Consultant based on the rates in Exhibit B, up to a maximum amount payable of \$50,000.00. The term of this agreement shall not extend beyond June 30, 2017 but may be extended for additional one year terms at BACWA’s discretion for an additional two years, ending June 30, 2019. If, upon reaching the end of the term of the contract, the Board elects to extend the contract, the amount of the extended contract will be negotiated at the time the contract is extended.
7. Consultant shall submit invoices monthly via email to Sherry Hull, Assistant Executive Director, at shull@bacwa.org with a copy to Lorien Fono, Regulatory Program Manager, at lfono@bacwa.org. Invoices shall include the hours charged by each employee, a brief description of the work performed, and a description of costs for which Consultant seeks reimbursement and which are specified in Exhibit B.
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.
10. All drawings, specifications, reports, programs, manuals, and other work product of Consultant that result from this Contract ("Work Product") will be considered the exclusive property of BACWA. Consultant agrees that it will not use, disclose, communicate, publish or otherwise make available to third parties any products, analyses, data, compilations, studies, proposals, technical or business information, and any other information related to the Services provided to BACWA without BACWA's prior written approval.

Indemnification

11. 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

12. 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

13. 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

14. 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

15. This contract shall automatically terminate on June 30, 2017. 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

16. 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.
17. 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.
18. 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.
19. 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

20. 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

21. 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

Exhibit B – Hourly Rates/Reimbursable Expenses

CONSULTANT: CAROLLO ENGINEERS, INC.

2700 Ygnacio Valley Road, Suite 300

Street Address

Walnut Creek, CA 94598

City, State, Zip Code

86-0899222

Tax Identification No.

Consultant Signature

Date

Lydia Holmes, Vice President

Name, Title

BACWA Signature

Date

Laura Pagano, BACWA Chair

Name, Title

**AMENDMENT NO. 2
TO AGREEMENT BETWEEN
BAY AREA CLEAN WATER AGENCIES AND
Carollo Engineers, Inc
FOR
AIR Committee Support in FY19**

This Amendment No. 1 is made this 20th day of July, 2018, in the City of Oakland, County of Alameda, State of California, to that certain agreement of July 1, 2015 by and between Carollo Engineers, Inc. and Bay Area Clean Water Agencies, (BACWA) (the "Agreement") in consideration of the covenants hereinafter set forth.

1. BACWA and Carollo Engineer's, Inc. agree to a new contract amount of \$50,000.00 for AIR Committee Support in FY19.
2. BACWA and Carollo Engineers, Inc. agree to a new period of July 1, 2018 – June 30, 2019.
3. Except as herein expressly modified, the Agreement will remain in full force and effect.

BAY AREA CLEAN WATER AGENCIES

By _____
Lori Schectel, Chair, Executive Board

Date July 20, 2018

Carollo Engineers, Inc.

By _____

Date July 20, 2018

EXHIBIT A

SCOPE OF WORK FY19

Professional Services by Carollo

Task 1 - Meetings with the AIR Committee

The Consultant will support committee meetings to present information on current air issues, facilitate discussions between members, and to identify follow-on action items. They will be responsible for four formal meetings with the AIR Committee per year, including making arrangements for meetings and preparing agenda, meeting materials, and minutes. Under this task, the consultant will coordinate one meeting between Bay Area Air Quality Management District (BAAQMD) staff and AIR Committee members as one of the quarterly meetings. The agenda will focus on issues of concern to AIR Committee members.

Task 2 - Track and Communicate Regulatory Issues, Technical Resources and Grant Opportunities

The Consultant will monitor regulatory agencies involved in developing air quality and climate change regulations that may affect POTWs, including the BAAQMD, the San Francisco Bay Conservation and Development Commission, the California State Air Resources Board, and the U.S. Environmental Protection Agency. They will also track technical resources and grant opportunities related to air issues that are of interest to BACWA member agencies. The consultant will prepare and distribute informational material to members to keep them informed of the AIR Committee activities and future regulatory activities.

Task 3 - Coordination and communication with other POTW Organizations and Regulators

The Consultant will participate in meetings with Regulators, participate in member or Regulator workshops and hearings, draft correspondence, and perform other related activities as directed by the AIR Committee Chairs. The Consultant will also coordinate with other POTW organizations on issues of mutual interest. The purpose of this coordination will be to share useful information, identify areas of joint cooperation, and prepare common responses on key issues, where appropriate. POTW organizations whose objectives coincide with the AIR Committee include SCAP, CVCWA, WERF, CASA, and NACWA. Activities may include periodic telephone conversations, meetings, and exchange of published materials.

Optional Task 4 - Response on Special Assignments

The Consultant will perform special technical assignments under the direction of the AIR Committee Chairs. Special technical assignments may include leading a special workshop for AIR Committee or general BACWA members, participating in AIR Committee strategy meetings, or performing other activities not included in Tasks 1-3.

EXHIBIT B
HOURLY RATES/REIMBURSABLE EXPENSES
FY19

Sarah Deslauriers	\$185
Courtney Mizutani	\$175



BACWA BOARD AUTHORIZATION REQUEST

AGENDA NO.: 6

FILE NO.: 19-16

MEETING DATE: July 20, 2018

TITLE: Solano Community College Agreement for FY19 Water Operator Training

☒ RECEIPT DISCUSSION RESOLUTION APPROVAL

RECOMMENDED ACTION

Receive the contract with Solano Community College for WOT program (Bay Area Consortium for Water & Wastewater Education) for the 2018-19 school year.

SUMMARY

Since June of 2007 BACWA has provided contracting and financial management services for the Water Operator Training program, now called the Bay Area Consortium for Water & Wastewater Education (BACWWE). Participating agencies are billed by BACWA and their contributions fund the Solano Community College courses for the program and a \$5,000 annual BACWA administration fee. This program has grown from its ten original sponsors to 22 agencies from five counties contributing funds for FY19. To date, over 800 students have taken courses offered by this program.

In July of 2008, the BACWA Board approved execution of the Fall 2008 agreement with Solano Community College and also granted the Chair the authority to execute future agreements for this program as long as they did not exceed \$79,200 (10% increase over the Fall 2008 contract amount of \$72,000). In November of 2015 the Board approved changes to the agreement that protect BACWA from financial liability in the event that adequate funds are not collected from the program contributors. The attached agreement with Solano covers the 2018-19 school year. The BACWA Chair will execute the agreement and pay Solano the appropriate amounts in accordance with the terms of the agreement once Solano and BACWWE have agreed upon the final class schedule. BACWA pays all invoices for the BACWWE program only after the Chair of the BACWWE Executive Committee has approved the invoices for payment.

FISCAL IMPACT

Funds are available for this agreement in the Water Operator Training (WOT) fund. This fund is completely separate from the BACWA funds and is used solely for the BACWWE program. Based on the most recent Treasurer's Report, as of May 31, 2018 the account has a balance of \$208,214.

ALTERNATIVES

No consideration of alternatives is required.

Attachments:

1. Solano Community College District Agreement for Educational Services, FY19.
2. BACWWE website screenshot of Fall 2018 Classes offered.

Approved:

Lori Schectel, BACWA Chair

Date: July 20, 2018

**SOLANO COMMUNITY COLLEGE DISTRICT
AGREEMENT FOR EDUCATIONAL SERVICES
FISCAL YEAR 2018-2019**

This agreement is entered into by and between **SOLANO COMMUNITY COLLEGE DISTRICT**, hereinafter referred to as "District" and **Bay Area Clean Water Agencies**, hereinafter referred to as "BACWA."

WHEREAS, BACWA desires to engage the District to render special educational services,

THEREFORE, THE PARTIES AGREE AS FOLLOWS:

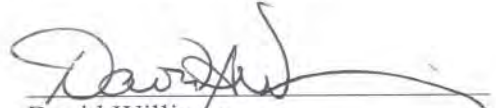
- A. The District will provide for-credit classes as mutually determined, for up to 30 students per class, for BACWA member organizations and other interested parties, provided member needs are met.
- B. The District will develop, coordinate, deliver, and evaluate the training. Instruction/training will be delivered at various BACWWE sites, to be determined. Classes will begin in Fall 2018, exact dates to be determined. Additional training can be scheduled as needed with an addendum to this contract.
- C. The District will maintain the BACWWE (Bay Area Consortium for Water & Wastewater Education) website and database and provide marketing and marketing materials for sponsoring agencies.
- D. Solano Community College and BACWWE will recruit, identify and select all trainees who will participate in training.
- E. Subject to availability of funds collected from sponsoring agencies, BACWA will compensate the Solano Community College District \$3,250 per 16 hours of instruction, which is equal to one credit hour. Therefore, one unit courses will be \$3,250; two credit courses will be \$6,500; three unit courses will be \$9,750; and four credit courses will be \$13,000. If courses involve a half credit an additional charge of \$1,625 will be added.
- F. Payments by BACWA to the District will be due upon receipt of invoice. An invoice will be generated upon completion of the first month of instruction.
- G. This contract may be terminated by either party upon written notice of not less than ten (10) business days.

- H. It is mutually understood that BACWA and the District shall secure and maintain in full force and effect during the full term of this Agreement, liability insurance in the amounts and written by carriers satisfactory to BACWA and the District respectively.
- I. The District will indemnify, and hold harmless, in any actions of law or equity, BACWA, its officers, employees, agents and elective and appointive boards from all claims, losses, damage, including property damages, personal injury, including death, and liability of every kind, nature and description, directly or indirectly arising from the operations of the District under this Agreement or of any persons directly or indirectly employed by, or acting as agent for the District, except to the extent caused by the sole negligence or willful misconduct of BACWA. This indemnification shall extend to claims, losses, damages, injury and liability for injuries occurring after completion of the services rendered pursuant to this Agreement, as well as during the process of rendering such services. Acceptance of insurance certificates required under this Agreement does not relieve the District from liability under this indemnification and hold harmless clause. This indemnification and hold harmless clause shall apply to all damages and claims for damages of every kind suffered, by reason of any of the District's operations under this Agreement regardless of whether or not such insurance policies shall have been determined to be applicable to any of such damages or claims for damages.
- J. BACWA will indemnify, and hold harmless in any actions of law or equity, the District, its officers, employees, agents and elective and appointive boards from all claims, losses, damage, including property damages, personal injury, including death, and liability of every kind, nature and description, directly or indirectly arising from the operations of BACWA under this Agreement or of any persons directly or indirectly employed by, or acting as agent for the District, except to the extent caused by the sole negligence or willful misconduct of the District. This indemnification shall extend to claims losses, damages, injury and liability for injuries occurring after completion of the services rendered pursuant to this Agreement, as well as during the process of rendering such services. Acceptance of insurance certificates required under this Agreement does not relieve BACWA from liability under this indemnification and hold harmless clause. This indemnification and hold harmless clause shall apply to all damages and claims for damages of every kind suffered, by reason of any of BACWA operations under this Agreement regardless of whether or not such insurance policies shall have been determined to be applicable to any of such damages or claims for damages.
- K. BACWA agrees that it will not discriminate in the selection of any student to receive instruction pursuant to the Agreement because of sex, sexual preference, race, color, religious creed, national origin, marital status, veteran status, medical condition, age (over 40), pregnancy, disability, and political affiliation. In the

event of BACWA's non-compliance with this section, the Agreement may be canceled, terminated, or suspended in whole or in part by the District.

Lori Schectel
BACWA Executive Board Chair
PO Box 24055, MS 59
Oakland, CA 94623

Date _____



David Williams
Vice President, Academic Affairs
Solano Community College District
Fairfield, CA 94534

Date 6-22-18 _____

PROPOSED SCHEDULE FOR FALL 2018 BACWWE CLASSES

BACWWE Classes	Credit Hours	Proposed Location	Instructor	Class Held On	Class Hours	Instructor email	Status	Location
WATR 100: Water Treatment	4	West County Wastewater District	Zolfarelli	Monday	6:00-10:00	Paul.Zolfarelli@solano.edu	confirmed	2910 Hilltop Drive, Richmond, CA 94806
WATR 107: MATH of Water and WW	4	Central Contra Costs Sanitary District	Damerel	Thursday	6:00-10:00	Jordan.Damerel@solano.edu	confirmed	5019 Imhoff Place, Martinez, CA 94553
WATR 101: Basic Chemistry for Water and WW	4	Solano Community College	Pirondini	Wednesday	6:00-10:00	Anthony.Pirondini@solano.edu	arranging room at Solano	4000 Suisun Valley Road, Fairfield, CA 94534
WATR 105: Wastewater Treatment II	3	Dublin San Ramon Services District	Fuller	Thursday	6:00-9:00	fuller@dsrsd.com	confirmed	7399 Johnson Drive, Pleasanton, CA 94588



July 3, 2018

Mr. David R. Williams, Executive Director
Bay Area Clean Water Agencies
PO Box 24055, MS 50
Oakland, CA 94623

Re: Nutrient Optimization and Upgrades Study, Proposed Amendment 4

Dear Mr. Williams:

At your request, HDR is pleased to present this proposal for additional services related to the Nutrient Reduction Study. The final Nutrient Reduction Study report was finalized and submitted in late June, 2018. This amendment would add two tasks, including 1) a meeting with the Water Board to review the report and 2) preparation of a brochure to summarize key information in the Nutrient Reduction Study. The proposed tasks are described below, followed by our estimated level of effort and proposed schedule.

Task 11 – Meeting with the Water Board

The Consultant will prepare for and attend a meeting with the Water Board to present the findings and results in the Nutrient Reduction Study. Consultant will prepare a brief presentation to share with the Water Board during a two-hour meeting. Consultant will submit a draft presentation to the CMG for review and comment in advance of the meeting with the Water Board.

Task 12 – Summary Brochure

The Consultant will prepare a 2 to 4 page brochure that summarizes the information presented in the Nutrient Reduction Study. The intended audience will be the general public and elected officials. The brochure will include graphics, tables, and text. It is assumed that up to two drafts of the brochure will be submitted to the CMG for review and comment prior to submission of the final brochure.

This task will include 3 monthly calls with the CMG to discuss anticipated content, and comments on each draft. (Note that we anticipate these calls will also include discussion on the presentation for the Water Board meeting as well as the 17/18 Group Annual Report.)

We propose to complete the services described above for the lump sum fee summarized in the table on the following page.

Task	Estimated Fee
Task 11 – Water Board Meeting	\$3,200
Task 12 – Summary Brochure	\$26,210
Total Amendment No. 4 Request	\$29,410

The meeting with the Water Board is scheduled for September 17, 2018. We anticipate that the summary brochure will be finalized within three months of notice to proceed.

If you have any questions, please do not hesitate to call me.

Sincerely,



Holly L.L. Kennedy, P.E.
Senior Vice President

Table 4-17. Annual Average Daily Discharges by Discharger, TN (kg N/d)

Discharger	Subembayment	2013/14 from report	2014/15 from report	2015/16 ^(a) from report	Average of July 2013 - July 2016 (3 Years)	New FY 19 Nutrient Surcharge	% of Total Surcharge	Nutrient Surcharge based on Discharge (use with next Permit)	% of Total Surcharge
CCCS	Suisun Bay	4135	4002	4044	4060	\$106,667	13.33%	\$124,522.17	7.32%
EBDA	South Bay	8664	8777	8996	8812	\$106,667	13.33%	\$270,256.34	15.90%
EBMUD	Central Bay	10831	10361	10382	10525	\$106,667	13.33%	\$322,770.12	18.99%
San Jose	Lower South Bay	5004	5752	5280	5345	\$106,667	13.33%	\$163,930.50	9.64%
SFPUC Southeast	South Bay	9944	10733	10166	10281	\$106,667	13.33%	\$315,297.36	18.55%
American Canyon	San Pablo Bay	83	64	42	63	\$1,024	0.13%	\$1,932.08	0.11%
Benicia	San Pablo Bay	218	245	222	228	\$3,711	0.46%	\$7,002.52	0.41%
Burlingame	South Bay	544	337	391	424	\$6,891	0.86%	\$13,003.22	0.76%
CMSA	Central Bay	964	992	961	972	\$15,802	1.98%	\$29,819.49	1.75%
Crockett	San Pablo Bay	2	2	2	2	\$34	0.00%	\$64.40	0.00%
Delta Diablo	Suisun Bay	1431	1571	1362	1455	\$23,640	2.96%	\$44,611.67	2.62%
FSSD	Suisun Bay	1442	1083	959	1161	\$18,873	2.36%	\$35,615.73	2.10%
Las Gallinas ^(b)	San Pablo Bay	122	103	135	120	\$1,950	0.24%	\$3,680.16	0.22%
Millbrae	South Bay	288	266	303	286	\$4,642	0.58%	\$8,760.82	0.52%
Mt. View	Suisun Bay	133	118	122	124	\$2,021	0.25%	\$3,813.05	0.22%
Napa ^(b)	San Pablo Bay	209	212	230	217	\$3,527	0.44%	\$6,654.95	0.39%
Novato ^(b)	San Pablo Bay	144	180	155	160	\$2,595	0.32%	\$4,896.65	0.29%
Palo Alto	Lower South Bay	2220	2268	2549	2346	\$38,120	4.77%	\$71,936.83	4.23%
Petaluma ^(b)	San Pablo Bay	35	51	30	39	\$628	0.08%	\$1,185.83	0.07%
Pinole	San Pablo Bay	319	315	338	324	\$5,265	0.66%	\$9,936.42	0.58%
Rodeo	San Pablo Bay	33	39	31	34	\$558	0.07%	\$1,052.93	0.06%
San Dist No 5 -	Central Bay	63	72	73	69	\$1,127	0.14%	\$2,126.31	0.13%
SFO Airport	South Bay	222	166	128	172	\$2,795	0.35%	\$5,274.89	0.31%
San Mateo	South Bay	1611	1,619	1,438	1556	\$25,287	3.16%	\$47,719.36	2.81%
SMCSD	Central Bay	138	140	154	144	\$2,340	0.29%	\$4,416.19	0.26%
SASM	Central Bay	237	203	266	235	\$3,824	0.48%	\$7,217.19	0.42%
SVCW	South Bay	2237	2,123	2,591	2317	\$37,654	4.71%	\$71,057.68	4.18%
Sonoma Co Water Ag	San Pablo Bay	13	25	11	16	\$265	0.03%	\$500.91	0.03%
South SF	South Bay	1134	1,129	1,117	1127	\$18,310	2.29%	\$34,552.58	2.03%
Sunnyvale	Lower South Bay	754	868	670	764	\$12,416	1.55%	\$23,430.33	1.38%
Treasure Island	Central Bay	16	17	22	18	\$298	0.04%	\$562.25	0.03%
Vallejo	San Pablo Bay	925	1,145	1,142	1071	\$17,400	2.17%	\$32,835.17	1.93%
West County	Central Bay	948	808	1,136	964	\$15,666	1.96%	\$29,563.92	1.74%
Total		55063	55786	55448	55432	\$799,998	100.00%	\$1,700,000	100.00%
Principals Only		38578	39625	38868	39024	\$533,335	66.67%	\$1,196,776	70.40%
Total w/o principals		16485	16161	16580	16409	\$266,663	33.33%	\$503,224	29.60%

Total Surcharge, 2nd p **\$1,700,000**

Table 3: TRC Recommendations - 6/14/18

Workgroup	Proposal Name	Funding Request	Core RMP Funds	AMR Funds	Comments/Rank
ECWG	Emerging Contaminants Strategy	\$70,000		\$70,000	
ECWG	Non-targeted Analysis of Fish and Wildlife	\$25,000		\$25,000	
ECWG	Contaminants of Emerging Concern in Urban Stormwater	\$180,000		\$130,000	
ECWG	Ethoxylated Surfactants in Ambient Water, Margin Sediment, and Wastewater	\$123,000			It would cost \$70k for water/wastewater but no margins sediment or CEDEN upload. Only \$30k available.
ECWG	Sunscreens in Water and Fish	\$50,300			
SPLWG	Small Tributaries Program Management	\$40,000	\$40,000		
SPLWG	Small Tributaries Loading POC Watershed Characterization Reconnaissance Monitoring	\$175,000	\$125,000		Priority to increase funding if more funds are available.
SPLWG	STLS Regional model development to support trends strategy Part I - Planning	\$60,000	\$60,000		
SPLWG	Advanced Data Analysis, Phase II	\$50,000	\$50,000		
SPLWG	STLS Regional model development to support trends strategy Part II - Beta hydrology model	\$50,000			
EEWG	Support for Dredging Project Bioaccumulation Evaluations, Part 2	\$48,000			Priority for funding if more funds are available. Possible SEP. Or resolve with NMFS/FWS at no cost?
EEWG	Exposure and Effects Workgroup Strategy Coordination and Technical Support	\$5,000			
EEWG	Synthesis of Benthic Community Data in the Whole of San Francisco Bay using the M-AMBI Index Phase II	\$29,000			
EEWG	Developing Bioscreening Thresholds for the Glucocorticoid Receptor Cell Assay	\$50,000			Defer to later
EEWG	Efficient extraction of endocrine disruptors from sediments from San Francisco Bay	\$18,200			Defer to later
Nutrients	High-Frequency Moored Sensor Network	\$360,810	\$250,000		Priority to increase funding if more funds are available. \$400k assumed in NMS budget
Nutrients	Ship-based Monitoring with USGS	\$180,042			
Microplastic	Microplastic Strategy	\$15,000	\$15,000		
Microplastic	Microplastic in San Francisco Bay Sport Fish	\$110,300		\$15,000	For collection and archiving only.
Microplastic	Microplastic in San Francisco Bay Sport Fish: Add-on Tissue Analysis	\$26,000			
Microplastic	Microplastic in San Francisco Bay Sport Fish: Add on Additional Sites	\$26,000			
Microplastic	Microplastic in San Francisco Bay Sport Fish: Archive samples for Y2	\$10,000			
Sediment	Bay Sediment Conceptual Understanding and Monitoring Strategy	\$77,600	\$77,600		
Sediment	Update of Erosion and Deposition in San Francisco Bay	\$77,000	\$77,000		
Sediment	Workshop on Sediment Screening and Testing Guidelines for Beneficial Reuse of Dredged	\$30,000	\$30,000		
Sediment	Sediment Bulk Density Study	\$30,000			Priority for funding if more funds are available.
Sediment	Golden Gate Sediment Flux Modeling Study	\$45,000			
PCBs	Priority Margin Unit Stormwater PCB Monitoring	\$40,000	\$18,000		fund with Balance from SEP MMP \$
PCBs	PCB Strategy Coordination and Technical Support	\$10,000	\$10,000		
PCBs	Shiner Surfperch Priority Margin Unit Survey	\$60,000	\$0		Fund with SEP MMP (\$82k)
Selenium	Selenium Strategy Coordination & Technical Support	\$10,000	\$10,000		
Selenium	North Bay Clam and Water Part I - Monitoring	\$75,000	\$75,000		
Selenium	Sturgeon Muscle Plug Part I - Monitoring	\$22,000	\$22,000		
Selenium	North Bay Clam and Water Part II - Data Management & Reporting	\$40,000			
Selenium	Sturgeon Muscle Plug Part II - Data Management & Reporting	\$24,000			
Total		\$2,242,252	\$859,600	\$240,000	
Available Funding			\$861,500	\$270,000	
Fund Unallocated			\$1,900	\$30,000	

Planning Subcommittee (PS) Meeting Summary No. 32

July 5, 2018

9:00 am – 12:00 noon

Water Board Offices

Draft Meeting Summary

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

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

1. **Agenda Modifications:** The focus of the agenda was agreed upon as follows:
 - a. FY 19 Regional Monitoring Program (RMP) Funding
 - b. Subembayment Boundaries
 - c. FY 19 Science Plan
 - d. Coastal Modeling
 - e. Publication Guidelines
 - f. Modeling Update
2. **Review Outstanding Action items:** Action Items were reviewed. All were either completed or on the agenda for discussion.
3. **Science Program update**
 - a. **Staffing** – the Science Manager (SM) reported that two new staff have arrived. One is a PhD with extensive field work and is excited about managing projects.
 - b. **Other**
4. **Priority Updates**
 - a. **Report-Outs**
 - i. **Other issues** – A question was raised as to whether or not there has been any input from Hagy at EPA. It was reported that he will be involved with the GAMS work as part of the

Science Plan (SP). He will also be involved in the Dissolved Oxygen (DO) work on the Lower South Bay (LSB)

The (SM) reported that the team is about one week away from providing a DO update for the LSB.

ii. Status of modeling efforts – No significant discussion of this item.

b. Current Issues

i. FY19 Funding – The SM reported that he had originally budgeted \$400k from the RMP primarily for monitoring work. At the recent RMP Technical Review Committee (TRC), the Committee only recommended \$250k. The SM pointed out that losing \$150k from what was originally envisioned may mean delaying the coastal monitoring effort that the NMS Steering Committee had tentatively approved pending a final scope and budget.

The RMP Steering Committee will make the final decisions on the amount of funding for the nutrient program. It was pointed out that the RMP had more than two times the request for funds than were available. BACWA expressed concern for possible reductions in funding from the RMP, which at one point had been as high as \$500k, at the exact time that the POTW community was stepping up and putting more funding on the table.

The WB pointed out that there are other sources of funds that have recently become available such as funds from SEPs. The RMP will be meeting on July 25th to review the funding recommendations from the TRC.

With respect to the coastal monitoring program, the WB would like to see the SM proceed with including that project in The FY 19 Science Plan one way or another. The SM stated that he would have information for the SC on the coastal monitoring project in early August. The WB stated that this effort should not be viewed as a one shot effort but plans should be made to sustain it for several years.

ii.NMS Calendar Review future SC and PS meeting schedules -

The Program Coordination Team (PCT) will coordinate schedules for the next PS meeting.

5. Other Updates

- a. **Discussion: Scientific papers coming from the NMS Science Program** – The PCT is in the process of developing criteria.
- b. **Discussion: P.2 Nutrient Flux to the coastal ocean** – Discussed above.
- c. **Discussion: Sub-embayment boundaries** – BACWA noted that the boundaries of the subembayments differ depending on whether one was using the RMP boundaries, which are linked to environmental conditions, or the boundaries used by the Water Board (WB) which are linked to manmade features such as bridges. With future load caps being developed based on subembayments, using science based boundaries seems to make sense. The RMP boundaries are based on analyses from grab samples taken near the surface.

After further discussion, the WB pointed out that the current RMP boundaries are not necessarily the boundaries that will be used in the Nutrient Watershed Permit to define subembayments but that the ultimate boundaries will have a logical basis and be practical but may not be nutrient centric.

- d. **Discussion: Science Plan schedule and priorities** – The SM stated that the updated SP is being geared towards trying to address the key questions needed for the reissuance of the 3rd Watershed Permit and the possibility of load caps. The Plan needs to be realistic in terms of what key questions it will be able to address.

One issue that had previously been raised as a concern is the question of ammonium toxicity. That issue is now on the back burner. The new focus is on DO in sloughs, coastal impacts and HABs.

The WB is looking for criteria that will help inform the develop of numeric standards for nutrients. With limited funding and time, the options for the SP are to (1) cut the number of projects that can be completed; (2) take a longer period of time to complete the projects; and (3) accept a higher degree of uncertainty in the results of the SP. The WB is keenly focused on having a basis for permit action, i.e. load caps, within the next 5 years. The key therefore is to focus on the options that could be pursued to get answers to the most critical questions within the next 5 years.

- e. **Other** – No discussion

6. **Planning the next Steering Committee meeting:**

- a. **Review of Action items from meeting** - There were no specific Actions Items from the meeting
- b. **Discussion: potential future off-site meeting @ USGS Menlo Park & boat visit** - This was not discussed
- c. **Next steps** - none

7. Adjourn or address Parking Lot items

Parking Lot of Identified PS Future Agenda Items

- a. Outreach to resource agencies re: DO objectives**
- b. Brainstorming on future priorities for the PS**
- c. EPA nutrient criteria discussion**
- d. Discuss concept of holding an annual forum on nutrients**



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
1. Nutrients <ul style="list-style-type: none">a. Optimization and Upgrade Studiesb. 2nd Watershed Permitc. Advance Funding to NMS	<ul style="list-style-type: none">• Review completion of the optimization/upgrade studies and discuss the September Water Board Workshop• Discussion of best approach for incentivizing early actions and options for completion of the Regional Study• Update on timing and contingency for advancing science funding during FY19	10:15
2. Wetlands	<ul style="list-style-type: none">• Outcome of the August 14 Water Board Wetlands Workshop	10:50
3. Selenium Objectives	<ul style="list-style-type: none">• Impact of USGS report on timeframe for South Bay Selenium TMDL	11:00
3. Chlorine Residual BPA	<ul style="list-style-type: none">• Update on progress from BACWA	11:05
4. Triennial Review	<ul style="list-style-type: none">• Update on progress from Water Board	11:15
5. SSS WDR Language in NPDES Permits	<ul style="list-style-type: none">• Discussion of BACWA's concern on language incorporating SSS WDR into NPDES permits	11:20
6. Recycled Water	<ul style="list-style-type: none">• Discussion of Recycled Water Policy Update and the implications for Region 2	11:35
7. CECs update	<ul style="list-style-type: none">• Review BACWA's approach for completing the White Paper on POTW Participation	11:50

ADJOURNMENT

		DRAFT AGENDA FOR PRE-PARDEE SEMINAR
		September 21, 2018
	<u>Time</u>	<u>Topic</u>
Morning		
	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
	10:30 PM	<u>2nd Watershed Permit Status</u>
		Review of Nutrient Surcharge
		Final Concepts for Incentivizing Early Actions
		Establishing a Baseline in the 2nd WS Permit
		Approach for the Regional Study
		Consulting Effort and Need for Contract Management Group
	11:45 PM	<u>PCB/HG Watershed Permit</u>
		Status of Risk Reduction Contracts
Lunch Break	12:15 PM	
Afternoon		
	12:45 PM	<u>Chlorine Residual Basin Plan Amendment</u>
		Desired Outcome
		Progress on Scope of Work
		Strategize on Options for Reporting Level
	1:15 PM	<u>Air Issues</u>
		Review of Case Studies for the Jt Meeting with WB/BAAQMD
		Other AIR updates
		-Clean Air Plan
		-Update on Rule 11-18
		- Particulate Matter Regulation 6, Rule 1
		-Organic Waste Diversion
	2:45 PM	<u>Overview of Administrative Issues (to be discussed at Pardee)</u>
		Review of Classes of Membership and Fees
		Summary of Board Policies and Staff Procedures
Adjourn	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	<u>Breakfast</u>	
	9:15 AM	BACWA Operational		<u>Financial</u> 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	Nutrients - Watershed Permit		<u>Update and Discussion</u> 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			<u>Lunch</u>	
	12:45 PM	Nutrients - Watershed Permit (con't)			
	2:00 PM	Other Regulatory Issues	Board/ED/Staff/Associates	<u>Update and Discussion</u> 10 AIR Issues Discussion - Final agenda for Joint Meeting with WB/BAAQMD - Rule 11-18 - other Air Reg Updates - discussion on strategy	
	3:00 PM			<u>Break</u>	
	3:15 PM			11 Other Regulatory Hot Topics (need to select key topics)	

			<ul style="list-style-type: none"> -Biosolids Survey -Collection system issues (i.e. blending, PSL, capital projects) in NPDES permits -Ocean Protection Strategy and microplastics -PCB/Hg WS Permit Risk Reductiony -CEC White Paper -ELAP and TNI implementation
4:30 PM		12	Engaging the Water Board <ul style="list-style-type: none"> -summary of topics and positions
4:45 PM			<u>Break for Day</u>
6:30 PM			<u>Dinner</u>
Fri	Coordination with WB	WB/D. Senn Arrives Board/ED/Staff/Associates /WB/D. Senn BACWA Members/Staff/WB/David S./HDR	<u>Breakfast</u>
8:00 AM			
8:30 AM			<u>Update and Discussion</u>
		13	Science Plan Key Updates and Issues <ul style="list-style-type: none"> -brief update on findings -update on Assessment Framework -Direction over coming years with increased funding
10:30 AM			<u>Break</u>
10:40 AM		14	1st Watershed Permit Compliance <ul style="list-style-type: none"> -Group Annual Report -Optimization/Updgrade brochure -Water Board Member briefing
11:30 PM			<u>Lunch</u>
12:00 PM		15	2nd WS Permit <ul style="list-style-type: none"> -Review of Key Tenets -Establishing a Baseline -Permit Language for Incentivizing Early Actions -Permit Language for the Regional Study
1:30 PM		16	Chlorine Residual Basin Plan Amendment
1:45 PM		17	Review of the draft of the CEC White Paper
2:00 PM		18	<u>Other Technical/Regulatory Issues</u> <ul style="list-style-type: none"> -Progress on the Wetlands Policy Update -Collection system requirements (i.e. I/I reduction to reduce blending, PSL, captial projects) in NPDES Permits

- Expectations under the Revised Recycled Water Policy
- Triennial Review update
- Toxicity update on TNI implementation

2:45 PM

Adjourn

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, whom you may contact to answer any questions.

Sincerely,

Garth Hall
Deputy Operating Officer, Water Supply Division

 **HOSSEIN ASHKTORAB, PH.D.**
MANAGER, RECYCLED & PURIFIED WATER
PROGRAM
Water Supply Division
Santa Clara Valley Water District
(408) 630-2291
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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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	cclark@sustainablestv.org	Senior Water Director		x	
	Joint Venture Silicon Valley	San Jose	Kara Gross	gross@jointventure.org	Exec. Director, SV Econ. Dev. Alliance			x
	Silicon Valley Leadership Group	San Jose	Carl Guardino	cguardino@svlg.org	President and CEO			x
Chambers of Commerce	Bay Area Council	San Francisco	Adrian Covert	acovert@bayareacouncil.org	Policy Director			x
	Gilroy Chamber of Commerce	Gilroy	Mark Turner	mturner@gilroy.org	President/CEO			
	Morgan Hill Chamber of Commerce	Morgan Hill	John Horner	john@morganhill.org	President and CEO			
	Silicon Valley Organization	San Jose	Matthew Mahood	matthewmahood@thesvo.com	President and CEO			
	Palo Alto Chamber of Commerce	Palo Alto	Judy Kleinberg	judy@palochamber.com	President and CEO			
	Santa Clara Chamber of Commerce	Santa Clara	Nick Kaspar	nick.kaspar@santaclara.org	President and CEO			
Planning	Sunnyvale Chamber of Commerce	Sunnyvale	Don Eagleston	deagleston@svcoc.org	President and CEO			
	ABAG (Assoc. of Bay Area Governments)	San Francisco	Michael Germeraad	mgermeraad@bayareametro.gov	Resilience Planner			x
Public Policy	Bay Area Regional Collaborative	Oakland	Allison Brooks	abrooks@bayareametro.gov	Executive Director			x
	Stanford University, Water in the West	Palo Alto	Newsha Ajami	newsha@stanford.edu	Director of Urban Water Policy			x
Environmental	SPUR	San Jose	Teresa Alvarado	talvarado@spur.org	Sustainable Development Policy Director			x
	Citizens Committee to Complete the City Refuge	Palo Alto	Eileen McLaughlin	wildlifestewards@aol.com	Board Member, CCCR		x	
	Sierra Club, Loma Prieta Chapter	San Jose	Katja Irvin	katja.irvin@sbcglobal.net	Water Committee Chair		x	x
	Natural Resources Defense Council (NRDC)	San Francisco	Kate Poole	kpoole@nrdc.org	Senior Attorney, Water and Wildlife Project Director, Water Program			x
	The Nature Conservancy	Sacramento	Jay Ziegler	jay_ziegler@tnc.org	Director of External Affairs & Policy			x
	Tuolumne River Trust	San Francisco	Peter Drekeimer	peter@tuolumne.org	Policy Director	x		x
	Sunnyvale Cool Cities	Sunnyvale	Barbara Fukumoto	barbf53@aol.com	Director			
	Canopy	Palo Alto	Catherine Martineau	catherine@canopy.org	Executive Director			
Environmental Justice (EJ)	California Sportfishing Protection Alliance	Berkeley	Chris Shutes	cshutes@calsport.org	Water Rights Advocate			x
	Environmental Justice Coalition for Water	Sacramento	Colin Bailey	Colin@ejcw.org	Executive Director			x
Medical community	Santa Clara County Medical Association	San Jose	Cindy Russell, MD	cindyleerussell@gmail.com	Chair of Environmental Health Committee			
Diversity	AACI	San Jose	Sarita Kohli	sarita.kohli@aacj.org	Executive Director and CEO			
	La Raza Roundtable	San Jose	Victor Garza	Meet@LaRazaRoundTable.org	Chair			
	Silicon Valley/San Jose NAACP	San Jose	Rev. Jethroe Moore II	Moore2j@att.net	President			
Stormwater	Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP)	San Jose	Jill Bicknell	jbicknell@eoainc.com	Assistant Program Manager			x
Groundwater			Ester Nigenda	enigenda@yahoo.com				
	Save Palo Alto Groundwater	Palo Alto	Keith Bennett	kbennett@hamamatsu.com				
Utilities*								
Retailer - SBWR, SCVWD	City of Milpitas		Tony Ndah	tndah@ci.milpitas.ca.gov	Deputy Public Works Director			
	City of Santa Clara		Gary Welling	gwelling@santaclaraca.gov	Director of Water & Sewer Facilities			
			Mike Vasquez	mvasquez@santaclaraca.gov	Compliance Manager			
	San José Water Company		Bill Tuttle	bill.tuttle@sjwater.com	Civil Engineer			
Retailer - SCVWD			Craig Giordano	craig_giordano@sjwater.com	Vice President – Engineering	x	x	
	California Water Service Company**		Ron Richardson	rrichardson@calwater.com	District Manager, Los Altos Service Area			
	City of Cupertino		Chad Mosley	chadm@cupertino.org	Senior Civil Engineer	x	x	
	City of Mountain View		Gregg Hosfeldt	gregg.hosfeldt@mountainview.gov	Assistant Public Works Director			
	Great Oaks Water Company		Tim Guster	tguster@greatoakswater.com	General Counsel	x		
	Purissima Hills Water District		Patrick Walter	pwalter@purissimawater.org	GM			
Wholesaler - Water	Stanford University, Utilities Division		Tom Zigterman	twz@stanford.edu	Water Resources & Infrastructure Director			
	SFPUC**		Steve Ritchie	sritchie@sfwater.org	AGM, Water Enterprise			
			Paula Kehoe	pkehoe@sfwater.org	Director, Water Resources			
	BAWSCA**		Nicole Sandkulla	nsandkulla@bawscs.org	CEO and GM			
Assistant Public Works Director			Tom Francis	tfrancis@bawscs.org	Water Resources Manager			
	Silicon Valley Clean Water**		Eric Hansen	ehansen@svcw.org	Senior Civil Engineer			
	Bay Area Clean Water Agencies		Roger Bailey	rbailey@centralsan.org	GM (Central San)			
			Jacqueline Zipkin	jzipkin@ebda.org	GM (EBDA)			x
			Vince De Lange	vinced@deltadiablo.org	GM (DDSD)			
	Western Recycled Water Coalition		Angela Lowrey	angelal@deltadiablo.org	Public Information 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	ljaimes@valleywater.org	Lead			
	(408) 630-2532		Miguel Silva	msilva@valleywater.org	Alternate			
City of San Jose (SBWR)	(408) 794-6780		Henry W. Louie	Henry.Louie@sanjoseca.gov	Lead			
	(408) 277-3671		Jeff Provenzano	Jeffrey.Provenzano@sanjoseca.gov	Alternate			
	(408) 535-8550		Kerrie Romanow	kerrie.romanow@sanjoseca.gov	Alternate			
Sunnyvale	(408) 730-7578		Mansour Nasser	MNasser@sunnyvale.ca.gov	Lead			
	(408) 730-7785		Ramana Chinnakotla	rchinnakotla@sunnyvale.ca.gov	Alternate			
Palo Alto	(650) 496-6951		Phil Bobel	Phil.Bobel@CityofPaloAlto.org	Lead			
	(650) 329-2104		Karin North	Karin.North@cityofpaloalto.org	Alternate			
SCWRA	(408) 846-0260		Saeid Vaziry	Saeid.Vaziry@ci.gilroy.ca.us	Lead			
	(408) 310-4166		Dan Repp	dan.repp@morganhill.ca.gov	Lead			
	(408) 846-0492		Girum Awoke	Girum.Awoke@ci.gilroy.ca.us	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.								
Legend Light blue shading = local South Bay non-utility stakeholders Red font = added after the District's most recent review; to be confirmed								

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

- 1) 10:00 - 10:15 Welcome and Introductions**
- 2) 10:15 - 10:45 Issues Overview**

Presentation by BACWA to set the stage for the discussion/working session - to touch on state and local goals.
- 3) 10:45 - 11:30 Basin-Wide Methane Strategy Update**

Updates from BAAQMD staff on rulemaking to support this effort.

 - a) Large Methane Releases (New Rule 13-1)
 - b) Composting & Organic Waste Recovery Operations (including Anaerobic Digestion) - Post Regional Discussion Forum. Potential for BACWA member (CMSA) to provide a brief success story regarding organics recovery.
- 4) Lunch**
- 5) 12:00 - 12:30 Rule 11-18: Reduction of Risk from Air Toxic Emissions at Existing Facilities Health Risk Screening & Assessments Update**

Update from BAAQMD/Carol Allen on where we are at in the "flow diagram" and what BACWA members can expect going forward. BACWA members to provide a summary update on CCCSD efforts and costs, as well as feedback on practical issues related to implementation when large CIP projects are already underway.
- 6) 12:30 - 1:00 AB 617 Implementation Update**

Update from BAAQMD on their involvement to date. BACWA members to provide feedback on ARB workshops held in May (reference CASA comment letter, to be submitted June 29th).
- 7) 1:00 - 1:30 Standard Permit Conditions and Permits for Temporary Pilot Test Projects**

BACWA to provide the specific items to discuss under this topic, such as standard monitoring, biogas production limits, etc.
- 8) 1:30 - 1:45 Particulate Matter Rule Development (Regulation 6, Rule 6.1)**

BAAQMD to address future decreases in allowable PM.
- 9) 1:45 - 2:00 Closing**

Sherry Hull

From: Sherry Hull
Sent: Tuesday, July 17, 2018 3:25 PM
To: Sherry Hull
Subject: Follow Up for SSS WDR Redline Call
Attachments: AMENDED MRP for SSS WDRs updated 6-12-18 clean.docx; WDR 2006_0003 updated 6-12-18 for redlining.docx

From: Adam Link [<mailto:alink@casaweb.org>]
Sent: Thursday, June 28, 2018 8:58 AM
To: LFrigo@ocsd.com; nsmal@lacsds.org; ryoshida@lacsds.org; NMunakata@lacsds.org; Marissa.Flores@sbmwd.org; ngranquist@DowneyBrand.com; mthorne@DowneyBrand.com; javiera@emwd.org; RyJackson@sfwater.org; matthew.bequette@lacity.org; jwestfall@lacsds.org; NSmal@lacsds.org; David Williams <dwilliams@bacwa.org>; Lorien Fono <lfono@bacwa.org>; Steve Jepsen <sjepsen@dudek.com>; Haney, Lisa <LHaney@OCSD.COM>; Pagano, Laura <LPagano@sfwater.org>; collectionwg@lists.casaweb.org
Subject: Follow Up for SSS WDR Redline Call

CASA SSS WDR Group,

Thanks for the call yesterday. Attached are the clean versions of the SSS WDR and the MRP. These are the documents we should all start from in terms of redline edits. Also, here is the link to the dropbox folder with all of the supporting documentation, including the BACWA/SCAP/CASA comment letter, CWEA and workshop presentations from 2017/18, and other items you may need as you consider your redlines.

<https://www.dropbox.com/sh/egzsf5ndaoq2b02/AABBCx06J2uiPCm1fNh-boJBa?dl=0>

I have also added a folder with the SSO Flat File data as well as the SWRCB Climate Change Resolution. Per our call, here the identified major issue leads (redlines due to me by July 25):

- Streamlined Reporting (Paul Causey)
- Audit Schedules (Phil Scott)
- De Minimus Threshold Language (Luis Astorga)
- Climate Change Language/Considerations (Steve Jepsen)
- SSMP Change Log (Cha Moua)
- Other Potential Assistance (Jennifer Swinney & Carolyn Balazs)

All others are welcome to submit redline suggestions, but please stick to the parameters in the agenda and discussed on our call (e.g. limit grammatical edits, focus on major issues only). In terms of submitting redline edits, for purposes of document control I would prefer you submit them directly to me via email at alink@casaweb.org. I will combine all versions and then send out pursuant to the schedule we discussed on the call. Thanks again for your help on this!

- Adam

Adam D. Link
Director of Government Affairs
California Association of Sanitation Agencies

916.446.0388, ext 102 (office)

916.947.2900 (mobile)

Ensuring Clean Water for California

www.casaweb.org



Sherry Hull

From: Sherry Hull
Sent: Wednesday, July 18, 2018 12:07 PM
To: Sherry Hull
Subject: FW: Thank You For Your Continued Work - Proposed Statewide SSS WDR Reissuance

From: Messina, Diana@Waterboards [<mailto:Diana.Messina@waterboards.ca.gov>]
Sent: Wednesday, July 18, 2018 11:36 AM
To: EAllan@cwea.org; leonardcj@cdmsmith.com; michael.flores@hdrinc.com; Lauer@cawd.org; David Williams <dwilliams@bacwa.org>; JWaples@centralsan.org; sjepson@dudek.com; rpalomares@etwd.com; blarson@casaweb.org; pbushee@lwwd.org; alink@casaweb.org; causeywc@comcast.net; eofficer@cvcwa.org
Cc: Fischer, Jim@Waterboards <Jim.Fischer@waterboards.ca.gov>; Farsimadan, Afrooz@Waterboards <Afrooz.Farsimadan@Waterboards.ca.gov>; Vazquez, Gil@Waterboards <Gil.Vazquez@waterboards.ca.gov>
Subject: Thank You For Your Continued Work - Proposed Statewide SSS WDR Reissuance

Dear Statewide Sanitary Sewer System Program Stakeholders:

Elizabeth Allan
Connie Leonard
Michael Flores
Adam Link
Paul Causey
Daryl Lauer
David Williams
Justin Waples
Steve Jepsen
Roberta Larson
Paul Bushee
Debbie Webster

Diana Messina here from the State Water Board, Division of Water Quality. This email to you all is to express my upmost appreciation for your (and/or your staff) current work on proposed SSS WDR-reissuance permitting language.

I was unexpectedly away from work during the months of May and June 2018, which contributed to our stakeholder meetings being cancelled. I apologize for any inconvenience this caused you or your members. When I returned to work late June, I was delighted to get a staff update that you all, as municipal stakeholders, stepped in to lead continued work on draft permitting language. Your current work has continued the momentum gained during recent discussions, CASA meetings and CWEA forums.

Although our previously-planned staff outreach workshops were cancelled and the initial permit development process altered, we are continuing to move forward with the WDR reissuance. I look forward to seeing your suggested SSS WDR permitting update language to further improve this statewide regulatory program for all parties involved. After we receive your collective information, we will be making the necessary modifications to this proposed WDR reissuance process to keep the momentum on track.

Please forward this email to others that have been part of the effort to keep this project moving forward.

Thank you.

Sincerely,

Diana Messina

Diana C. Messina, P.E., BCEE, Chief
Surface Water Permitting Section
Division of Water Quality
State Water Resources Control Board
Diana.Messina@waterboards.ca.gov

July 2, 2018

SAVE THE DATE: SAN FRANCISCO BAY WATER BOARD WORKSHOP AUGUST 14, 2018

BAYLANDS RESTORATION AND CLIMATE CHANGE POLICY REVIEW

The California Regional Water Quality Control Board, San Francisco Bay Region (Water Board) is reviewing its policies and procedures related to addressing the regulatory challenges posed by baylands multi-benefit wetland restoration projects proposed to address climate change resilience.

Please be advised that we are planning to host public workshops to solicit feedback from the Water Board's stakeholders on the various regulatory strategies available to the Water Board to address wetland restoration and shoreline resilience.

The focus of the initial workshop is on [Policy 94-086](#), on the use of treated wastewater to create, restore and enhance wetlands.

TOPIC: Policy 94-086 and Use of Treated Wastewater
DATE: **Tuesday August 14, 2018**
TIME: 10 a.m. to 1 p.m.
LOCATION: Elihu M. Harris State Building
2nd Floor, Room 10
1515 Clay Street
Oakland, California 94612

STAFF CONTACT: Christina Toms
1515 Clay Street, Suite 1400
Oakland, CA 94612
(510) 622-2506
email: christina.toms@waterboards.ca.gov
or
Richard Looker
(510) 622-2451
email: richard.looker@waterboards.ca.gov

MATERIALS: Additional materials will be made available at least two weeks prior to each workshop and will be posted [at this webpage](#), which is currently under construction.

We are developing a list of stakeholders who would like to receive updates related to climate change and this Basin Planning project. Interested parties may sign up for this listserv at https://www.waterboards.ca.gov/resources/email_subscriptions/reg2_subscribe.html

SUBMISSION OF WRITTEN COMMENTS: If you would like to provide written input on the regulatory options presented at the workshops, please submit them via regular or electronic mail to the staff contact above by **5pm on Friday, September 14, 2018.**

No formal responses will be provided on these comments. Any input provided, either orally at the workshops or in writing, will be taken into consideration as we continue to work on reviewing and updating these policies.

Baylands Restoration and Climate Change Policy Update Workshop Schedule:

Public Workshop on	Tuesday August 14, 2018
---------------------------	--------------------------------

Use of Treated Wastewater

Written Comments Due Date	Friday September 14, 2018
----------------------------------	----------------------------------

BACWA Agency Wetlands Information

City of San Leandro

A conceptual project to convert a 4.3 acre wastewater storage basin to a multi-benefit treatment wetland at the Water Pollution Control Plant at 3000 Davis Street, San Leandro is under consideration. The project would also provide shoreline resiliency and consider marsh restoration as an objective.

Treatment-related benefits of this project include removal of wastewater borne nitrogen, phosphorus, and contaminants of emerging concern. Additional benefits include enhancement of wetland habitat, demonstration of cost-effective contaminant removal, sea level rise adaption strategies via green infrastructure.

Anticipated hurdles are costs.

City of Palo Alto

The City of Palo Alto Regional Water Quality Control Plant is in the conceptual design stage for two projects related to wetlands.

Renzel Marsh Rehabilitation and Expansion

This project would rehabilitate and expand a constructed fresh water pond receiving final effluent along East Bayshore Road in Palo Alto. The project would also expand public access/trails, expand and enhance constructed salt marsh habitat, and increase hydraulic connectivity to an isolated remnant slough.

Benefits of this project would include increased water quality and habitat enhancement.

Anticipated hurdles are regulatory permitting for construction work.

Horizontal Levees

The construction of horizontal levees to address rising sea levels is also under consideration. The location and size of the levees has yet to be determined.

Benefits of this project include sea level rise protection as well as habitat enhancement and water quality improvements.

Anticipated hurdles for this project include regulatory permitting for construction work, costs, and the complexity of maintaining the levees once constructed.

West County Wastewater District

WCWD is hoping to build a horizontal levee along the western edge of the WCWD Treatment Plant located at 2377 Garden Tract Road in Richmond along the wetlands between San Pablo

Creek and Wildcat Creek. This work could start in FY2023 depending on design and permitting status.

The main benefit to this project is sea level rise protection.

Anticipated hurdles for this project include costs and permitting. Another project in the same wetland area to replace metal corrugated storm drains has been tied up for years in the permitting process.

Oro Loma/Castro Valley Sanitary Districts

The Oro Loma Horizontal Levee – Next Mile Project is being considered by these agencies. This project includes the design, permitting, and construction of one mile of horizontal levee between Bockman Canal and Sulphur Creek along the San Lorenzo-Hayward shoreline. The project is awaiting funding and is expected to be at the 60% design stage by mid-2019.

Anticipated benefits from the project include habitat enhancement, sea level rise protection, and water quality improvements.

Hurdles to overcome involve permitting for habitat creation/alteration and questions about NPDES permitting. The project team expects to engage permitting agencies in mid-2019 to further determine the feasibility of the project.

Updated 7/5/2018
Chris Dembiczak



June 30, 2018

Mr. Daniel McIntyre
General Manager
Dublin San Ramon Services District
7051 Dublin Blvd.
Dublin, CA 94568

Subject: Support for WaterSMART Funding (Title XVI Water Recycling Projects Funding under the WIIN Act) for DSRSD's Recycled Water Expansion Project

Dear Mr. McIntyre:

This letter is a statement of the Bay Area Clean Water Agencies' (BACWA) support for the efforts of Dublin San Ramon Services District (DSRSD) in seeking Title XVI funding under the WIIN Act for its Recycled Water Expansion Project (Project).

This Project will provide recycled water to the east bay region of the San Francisco Bay Area, including multiple cities and counties in the service areas of DSRSD, East Bay Municipal Utility District, and the City of Pleasanton. Benefits of this Project include reduced pumping and providing an alternative to the use of drinking water for irrigation of parks, schools, and landscaped areas. BACWA supports the efforts of its member agencies to expand the use of recycled water in the Bay Area.

Title XVI grant funding under the WIIN Act would ensure that DSRSD's valuable Project continues forward. BACWA supports this funding opportunity for construction of DSRSD's Project.

Sincerely,

A handwritten signature in dark ink that reads "David R. Williams".

David R. Williams
Executive Director

cc: Rhodora Biagtan, DSRSD
BACWA Executive Board

Sherry Hull

From: Sherry Hull
Sent: Tuesday, July 17, 2018 3:45 PM
To: Sherry Hull
Subject: BACWA Support Letter - Palo Alto
Attachments: _Palo Alto_Letter of Support BACWA.docx

From: Engelage, Samantha <Samantha.Engelage@CityofPaloAlto.org>
Sent: Monday, July 2, 2018 12:59 PM
To: David Williams <dwilliams@bacwa.org>
Cc: Lorien Fono <lfono@bacwa.org>; Sherry Hull <shull@bacwa.org>; North, Karin <Karin.North@cityofpaloalto.org>
Subject: BACWA Support Letter - Palo Alto

Hi Dave,

The City of Palo Alto would like BACWA to consider supporting our application for Title XVI WIIN funding under the current funding opportunity announcement. We are applying for funds to complete the design and conduct environmental documentation for the Advanced Water Purification System, Local Project; a 1-2 MGD filtration and reverse osmosis facility located at the City of Palo Alto's Regional Water Quality Control Plant. This facility is needed to reduce total dissolved solids in the current recycled water produced for nonpotable reuse.

Attached is a draft support letter that you can add to your letterhead and send back to me signed indicating BACWA's support of this project.

Please let me know if you think BACWA would support this project or if you have any questions. We are hoping to get signed support letters back to us by **7/20/18**.

Thanks,
Sam



Samantha Engelage, P.E.
Senior Engineer, Environmental Services Division
2501 Embarcadero Way | Palo Alto, CA 94303
D: (650) 329-2123
Samantha.Engelage@CityofPaloAlto.org

July 17, 2018

Samantha Engelage, P.E.
Senior Engineer
City of Palo Alto Regional Water Quality Control Plant
2501 Embarcadero Way
Palo Alto, CA 94303

Dear Ms. Engelage,

The Bay Area Clean Water Agencies (BACWA) is pleased to support the City of Palo Alto's application for grant funding for the Advanced Water Purification System, Local Project. BACWA is a joint powers agency whose members own and operate publicly-owned treatment works and sanitary sewer systems that collectively provide sanitary services to over 7.1 million people in the nine-county San Francisco Bay Area. BACWA was founded, and continues, to assist agencies in carrying out mutually beneficial projects, and to facilitate the development of scientific, economic and other information about the San Francisco Bay environment and the agencies that work to protect it and public health. We strongly support the City's efforts to reduce demands for potable water and to beneficially reuse wastewater through the Advanced Water Purification System, Local Project. The use of recycled water is an important component of a secure and reliable water supply, especially during drought. We believe that recycled water should be expanded both in the City and regionally to take advantage of a resource that currently goes to waste out to the San Francisco Bay. This project is an important step towards expanding recycled water service and moving towards a widespread regional recycled water system.

The recent drought increased awareness of water conservation and the value of water – but water projects can be very expensive, and water costs increase when new projects are constructed. Securing grant funding is critical to making projects that provide potable water offset benefits possible without negatively affecting local residents. The use of recycled water is a clear choice for protection of local watersheds and reduction of drinking water demands, and this grant will help make this a reality.

BACWA urges you to consider the importance of this project to the local community, region, and state, and provide full and fair consideration of the City's funding application.

Sincerely,

<<SIGNEE>>

C. BACWA Committees

Committee	Chair	Vice/Co-Chair	Comments	Succession Planning FY20
AIR	Nohemy Revilla, SFPUC, Co-Chair	Randy Schmidt, CCCSD, Co-Chair	CWCCG Representative	
BAPPG	Autumn Cleave, SFPUC, Chair	Joe Neugebauer, WCWD (V-Chair, Reporting); Simret Yigzaw, City of San Jose (V-Chair, Budget); Debbie Phan, Regional Water Board		
BAPPG Pesticide Subcommittee	Karin North, Palo Alto	Robert Wilson, Petaluma; Autumn Cleave, SFPUC	New Subcommittee effective November 2017	
Biosolids	Alicia Chakrabarti, EBMUD, Chair	Ravi Krishnaiah, SFPUC, Vice-Chair		
Collection Systems	Erin Smith, City of Alameda, Chair	Andrew Damron, Napa San, Vice-Chair		
Info Share Ops/Maint	Joaquin Gonzales, Delta Diablo, Co-Chair	Kevin Dickison, EBMUD, Co-Chair		
InfoShare/Asset Mgmt	Dana Lawson, CCCSD, Co-Chair	Aaron Johnson, DSRSD, Co-Chair		
Laboratory	Nirmela Arsem, EBMUD, Chair	Noel Enoki, San Jose, Vice-Chair	BACWA Executive Board Alternate	
Permits	Robert Wilson, Petaluma, Chair	Samantha Engelage, City of Palo Alto, V Chair		
Pretreatment	Tim Potter, CCCSD, Co-Chair	Michael Dunning, Union San, Co-Chair		
Recycled Water	Leah Walker, City of Petaluma, Co-Chair	Stefanie Olsen, DSRSD, Co-Chair		

Changes to Committee Leadership during the year will be reported by Executive Director to Executive Board

Changes in FY19

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

	Installing and optimizing process automation using emerging sensor technologies (i.e. scan, ZAPS, etc.)
	How to manage your agency's knowledge base, SOPs, manuals, record drawings, and other information
	Nutrient removal - impacts to O&M
	Equipment (pumps, pipes, assets) condition assessment
	Paperless Operation and Maintenance
	Asset Management Software
	Complying with air regulations
	Organic waste recovery - impacts to O&M

2. Are you interested taking a plant tour as part of O&M Infoshare meetings?

- ☐ Yes
- ☐ No

3. Do you have any other comments to share with the committee chairs about O&M Infoshare meetings.



BACWA
BAY AREA
CLEAN WATER
AGENCIES

BACWA Biosolids Survey 2018

BACWA is continuing to profile current biosolids trends throughout our Region in this second biennial survey. Please take a few minutes to answer the following questions regarding your agency's biosolids recycling activities. BACWA will compile the data and distribute to enable all of its members to gain insight into Regional biosolids recycling activities. You can view the report from BACWA's 2016 Biosolids Survey [here](#).

The intent of this survey is to quantify specific biosolids information from BACWA's agencies in order to identify current industry trends for the following issues:

- Biosolids production volumes
- Dewatering technologies employed
- Biosolids management technologies and destinations
- Biosolids management and transportation rates
- Agency challenges
- Agencies' long term biosolids management plans
- Biosolids marketing efforts
- Identify social media outlets for biosolids marketing

Additionally, developing regulations are increasing the likelihood that landfill disposal of biosolids, as well as the use of biosolids as alternative daily cover, will be phased out by 2025. This survey will help our agencies better understand the current and potential future uses for biosolids.

* 1. Name of agency

* 2. Name of respondent

* 3. Respondent email address

* 4. What technology does your agency use to produce biosolids?

- ☐ Anaerobic Digestion (Thermophilic)
- ☐ Anaerobic Digestion (Mesophilic)
- ☐ Anaerobic Drying
- ☐ Aerobic Digestion
- ☐ Thermal Hydrolysis
- ☐ Compost
- ☐ Heat Drying
- ☐ Air Drying
- ☐ Pasteurization
- ☐ Hauling to another facility
- ☐ Other (please specify)

* 5. How many wet tons of biosolids did your agency produce in 2016?

Number of wet tons Class
A

Number of wet tons
Class A-EQ

Number of wet tons Class
B

Number of wet tons other
quality

* 6. How many wet tons of biosolids did your agency produce in 2017?

Number of wet tons Class
A

Number of wet tons
Class A-EQ

Number of wet tons Class
B

Number of wet tons other
quality










* 7. Please identify your facility's dewatering process from the list below

- ☐ Centrifuge
- ☐ Belt Filter Press
- ☐ Indirect Dryer
- ☐ Direct Dryer
- ☐ Drying Bed
- ☐ Screw Press
- ☐ BioForceTech
- ☐ Other (please specify)

8. If desired, please give more detail about your dewatering process, for example - flow, polymer type or amount.

* 9. Please list your dewatering equipment or dryer manufacturer.

* 10. What are the main challenges your agency faces with biosolids recycling? Please choose all that apply to your agency and prioritize your choices. Please rank, with one being the most important.

	<input type="text" value="1"/>	Rising costs
	<input type="text" value="2"/>	Public perception/relations
	<input type="text" value="3"/>	Hauling distance
	<input type="text" value="4"/>	Space for drying operations
	<input type="text" value="5"/>	Regulatory Restrictions on using Biosolids for Alternative Daily Cover
	<input type="text" value="6"/>	Local restrictions on land application
	<input type="text" value="7"/>	Securing sustainable reuse options
	<input type="text" value="8"/>	Wet weather impeding drying operations
	<input type="text" value="9"/>	Other

11. If desired, please add further explanations about the challenges your agency faces with biosolids.

12. What does your agency plan to do with your biosolids in 2019?

- ☐ Same plan/strategy as 2017
- ☐ Our agency will implement changes as described below.

Describe changes

* 13. How does your agency plan to respond to the likely limits on landfill reuse or disposal resulting from AB 1383?

* 14. Does your agency or another entity market your products made from you biosolids (e.g., compost, pelletized fuel)? If yes, what products? List where the products are sold in the comment box.

- ☐ No, we do not directly market biosolids products.
- ☐ Compost
- ☐ Dried biosolids
- ☐ Dried granules/pellets
- ☐ Soil blend
- ☐ Lystegro
- ☐ Biochar
- ☐ Direct land application
- ☐ Other products, and locations products are marketed.

15. Please check all that apply regarding biosolids product marketing and branding.

- ☐ We market our own biosolids product(s).
- ☐ A third party markets our biosolids product(s).
- ☐ We do not market biosolids product(s) currently, but have plans to do so in the future.
- ☐ We currently or have plans in the future to **brand** our biosolids product(s).
- ☐ We do not currently or have any plans in the future to market our biosolids product(s).

16. Is there any additional information your agency would like to share about biosolids product marketing and branding?

* 17. Does your agency do biosolids outreach/education. If yes, what type?

- ☐ Facebook
- ☐ Twitter
- ☐ Youtube
- ☐ Website
- ☐ Newspaper or paper media
- ☐ Radio
- ☐ TV
- ☐ Placards on trucks
- ☐ No, we do not publicize our biosolids program, but we do publicize our other services.
- ☐ No, we do not publicize any of our services.

* 18. Please explain below how your agency manages biosolids staffing.

How many staff are
involved with biosolids?

What percentage of their
time is spent on biosolids?

Please describe their
roles.

19. If you would like to receive notice of the survey results and be added to the BACWA Biosolids Committee listserve, please include your name and email address or those of your staff.



B A C W A
B A Y A R E A
C L E A N W A T E R
A G E N C I E S

BACWA Biosolids Survey 2018

* 20. The following fields allow you to input information for each destination where you sent biosolids in 2017. You may enter as many destinations as applicable for your agency.

Destination 1

Location of end use

Type of reuse (ADC, landfill disposal, direct land application, compost, onsite disposal, incineration, Lystek, other)

Tons of wet weight sent to destination

Percent solids

Class of solids (A, A-EQ, B, other)

round trip hauling distance (miles)

cost/ton (hauling + tipping + other fees)

Any flat fees

Other information you would like to share about this destination

21. Destination 2

Location of end use

Type of reuse (ADC,
landfill disposal, direct land
application, compost,
onsite disposal,
incineration, Lystek, other)

Tons of wet weight sent to
destination

Percent solids

Class of solids (A, A-EQ,
B, other)

round trip hauling distance
(miles)

cost/ton (hauling + tipping
+ other fees)

Any flat fees

Other information you
would like to share about
this destination

22. Destination 3

Location of end use

Type of reuse (ADC,
landfill disposal, direct land
application, compost,
onsite disposal,
incineration, Lystek, other)

Tons of wet weight sent to
destination

Percent solids

Class of solids (A, A-EQ,
B, other)

round trip hauling distance
(miles)

cost/ton (hauling + tipping
+ other fees)

Any flat fees

Other information you
would like to share about
this destination

23. Destination 4

Location of end use

Type of reuse (ADC,
landfill disposal, direct land
application, compost,
onsite disposal,
incineration, Lystek, other)

Tons of wet weight sent to
destination

Percent solids

Class of solids (A, A-EQ,
B, other)

round trip hauling distance
(miles)

cost/ton (hauling + tipping
+ other fees)

Any flat fees

Other information you
would like to share about
this destination

24. Destination 5

Location of end use

Type of reuse (ADC,
landfill disposal, direct land
application, compost,
onsite disposal,
incineration, Lystek, other)

Tons of wet weight sent to
destination

Percent solids

Class of solids (A, A-EQ,
B, other)

round trip hauling distance
(miles)

cost/ton (hauling + tipping
+ other fees)

Any flat fees

Other information you
would like to share about
this destination

25. Destination 6

Location of end use

Type of reuse (ADC,
landfill disposal, direct land
application, compost,
onsite disposal,
incineration, Lystek, other)

Tons of wet weight sent to
destination

Percent solids

Class of solids (A, A-EQ,
B, other)

round trip hauling distance
(miles)

cost/ton (hauling + tipping
+ other fees)

Any flat fees

Other information you
would like to share about
this destination

26. Destination 7

Location of end use

Type of reuse (ADC,
landfill disposal, direct land
application, compost,
onsite disposal,
incineration, Lystek, other)

Tons of wet weight sent to
destination

Percent solids

Class of solids (A, A-EQ,
B, other)

round trip hauling distance
(miles)

cost/ton (hauling + tipping
+ other fees)

Any flat fees

Other information you
would like to share about
this destination

27. Destination 8

Location of end use

Type of reuse (ADC,
landfill disposal, direct land
application, compost,
onsite disposal,
incineration, Lystek, other)

Tons of wet weight sent to
destination

Percent solids

Class of solids (A, A-EQ,
B, other)

round trip hauling distance
(miles)

cost/ton (hauling + tipping
+ other fees)

Any flat fees

Other information you
would like to share about
this destination



BACWA Mercury/PCB Watershed Permit Risk Reduction Compliance

Request for Proposal from [org name], 2018

PROGRAM OVERVIEW

The Bay Area Clean Water Agencies (BACWA) is soliciting a proposal from [org name] to increase awareness and understanding of fish contamination issues and reduce exposure to chemicals from eating fish caught in San Francisco Bay.

Size of Grants: [Org name] may apply for funding up to \$25,000, which will be delivered in two lump sum payments.

Timeline: Work for the project will be conducted for up to two years.

Application Deadline: Proposal must be received by BACWA via email by 5:00 p.m. on Friday August 31, 2018.

BACKGROUND

While fish is an important part of a healthy diet, many fish caught in San Francisco Bay contain elevated levels of harmful chemicals, including mercury and polychlorinated biphenyls (PCBs). The presence of these chemicals in Bay fish is the basis for the current health advisory (see <http://www.oehha.ca.gov/fish/general/sfbaydelta.html>), which recommends that fish consumers limit the types and amounts of fish they eat as a way to limit their exposure to these chemicals.

The clean-up and management of mercury and PCBs in San Francisco Bay is the long term goal of state and local regulatory agencies. However, risk reduction activities in the interim can address the possible health risks to consumers of Bay fish. The San Francisco Bay Fish Project (<http://sfei.org/sfbfp>), which concluded in 2012, developed educational materials and funded grants to community-based organizations that communicated directly with affected populations.

BACWA is a local government agency created by a joint powers agreement in 1984. Our membership includes local clean water agencies that provide sanitary sewer services to the more than seven million people living in the nine county SF Bay Area. 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_decisions/adopted_orders/2017/R2-2017-0041.pdf). As part of compliance with this permit, BACWA partially funded the San Francisco Bay Fish Project, as well as a second grant program in 2015, which awarded [org name] funds to perform risk reduction activities with affected communities in the Region. BACWA will continue that work by funding another grant program in 2018 to further risk reduction education in the San Francisco Bay.

TYPE OF PROJECT

This grant program will assist [org name] in conducting projects that:

1. Promote awareness and understanding of fish consumption advisories, contamination issues, or health risks and benefits associated with eating San Francisco Bay fish, and/or
2. Reduce human exposure to mercury and PCBs from eating San Francisco Bay fish.

The project funded by the grant program must be directed to consumers of fish from San Francisco Bay. Consumers include populations who catch and consume fish from San Francisco Bay, as well as their families and friends who consume their catch. This program does not address commercial fishing activities.

This grant program will fund a project that focuses on consumers of San Francisco Bay fish who are most at risk. We define these “at-risk” populations below. The project must include San Francisco Bay fish consumers from one or more of these at-risk populations:

1. *Moderate-to-high consumers* - Populations are most at risk if they consume moderate-to-high amounts of San Francisco Bay fish on a regular basis (i.e., greater than one time per month for at least 6 months of the year).
2. *Consumers of highly contaminated species* - The level of contaminants in San Francisco Bay fish varies widely by species. Some species, such as white croaker and shark, contain very high levels of chemicals and consumption should be avoided or restricted. Some populations are at risk if they eat these highly contaminated species from San Francisco Bay.
3. *Sensitive populations* - Because mercury exposure is most harmful to an unborn child or children, at-risk populations also include women of childbearing age,

especially pregnant women, and children. Sensitive populations must also be consumers of fish from San Francisco Bay.

Part of the funds from this grant may be used to develop data about these populations via fish consumption surveys.

GEOGRAPHIC AREA OF PROJECTS

Project activities must be directed to consumers of fish from San Francisco Bay. For purposes of this program, San Francisco Bay includes: The Central Bay east of the Golden Gate Bridge, including San Leandro Bay; the South Bay; and the North Bay including Richardson Bay, San Rafael Bay, San Pablo Bay, the Carquinez Strait, Suisun Bay, Grizzly Bay, and Honker Bay.

APPLICATION PROCEDURE

All the information listed below must be included in your application for it to be considered complete.

1. Application Cover Page

2. Description of Organization and Qualifications (one page maximum)

- Describe the mission and history of your organization.
- Describe the qualifications and experience of the staff who will implement and evaluate the project.

3. Project description (two pages maximum)

- Describe the intended audience served by the project.
- Describe your organization's experience in working with the intended audience.
- Describe the geographic area or areas where the project will take place.
- Explain why you are choosing your specific approach and the changes you anticipate will result from your activities.
- Describe how the project includes at-risk consumers of SF Bay fish as defined above.
- Describe how the project will address the cultural, literacy, or language needs of the intended audience.
- Describe how you will monitor progress, measure what you will accomplish, and determine the success of your project.

4. Project Scope of Work (SOW) (two page maximum)

- Provide specific activities and tasks for developing and implementing the project.
- Define a project mid-point goal whose completion will be used to determine the first lump sum payment. SOW must include a progress report at project mid-point.
- SOW must include a presentation on project activities to the BACWA Executive Board, as well as a presentation to the San Francisco Regional Water Quality Control Board Staff upon project completion.
- SOW must include a final project evaluation based on the metrics defined in Section 3, above, to be submitted to BACWA upon project completion.

5. Timeline Template

Please provide information about the project tasks and schedule. Project should be no more than 2 years in duration.

6. Project Budget Form (Attachment 1)

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.

7. Additional Attachments

- Non-profit organizations must include documentation of non-profit status such as an exemption letter from the U.S. Internal Revenue Service.
- Supporting materials, such as examples of educational materials or letters of support, may be included. Limit supporting materials to 5 pages.

PROJECT AWARD

Upon receipt of an acceptable proposal, [org name] will sign a contract with BACWA. The contract will include a scope of work and requirements for receiving payments in two lump sums that will be remitted upon reaching a defined mid-point project milestone, and upon project completion. Any materials produced as a result of the grant award must be made available to BACWA for posting on bacwa.org.

QUESTIONS?

Please submit your specific questions to Lorien Fono by email at lfono@bacwa.org.

HOW TO SUBMIT AN APPLICATION

Proposals may be submitted by email to Ifono@bacwa.org. Proposals must be received by 5:00 p.m. on Friday, August 31, 2018. BACWA will send an acknowledgement by email upon receiving your application.

Attachment 1: PROJECT BUDGET FORM

(The applicant does not need to use this form, but should follow the general format and include the information listed below.)

Name of Organization: _____

Project Title: _____

Requested Amount (\$25,000 *maximum*): \$_____

	Requested	In-Kind Support	Total Project Amount
Personnel:			
Salaries & wages ¹	_____	_____	_____
Description (<i>Example:</i> health educator @ \$3000/mo. x 25% for 6 mo.)	_____	_____	_____
Consultant & contract services ²	_____	_____	_____
Description (<i>Example:</i> graphic artist @ \$100/hour for 20 hours)	_____	_____	_____
Total Personnel	_____	_____	_____
Operating Expenses			
Supplies/Materials/Printing ³	_____	_____	_____
Equipment ⁴	_____	_____	_____
Travel	_____	_____	_____
Other (describe):	_____	_____	_____
Total Operating Expenses	_____	_____	_____
Indirect Costs ⁵	_____	_____	_____
Total Budget	_____	_____	_____

1. For all project staff include position title, salary, percentage time, and number of months the staff will be supported by the grant.
2. For all consultant and contract services, describe the type of services provided, and include hourly rate and number of hours.
3. Include office supplies, training materials, postage, etc.
4. Please describe equipment costs above \$500 such as the purchase of a computer. 5. Indirect costs include rent, utilities, and indirect administrative support. Indirect costs should not exceed 15% of the sum of total personnel and total operating expenses.

Committee Request for Board Action: None

16 attendees (including 4 on phone) representing 9 member agencies.

Sarah Deslauriers and Courtney Mizutani provided the [regulatory update presentation](#). Key topics from the meeting and since are below:

Greenhouse Gas Updates

1. **SB 1383 Short Lived Climate Pollutant (SLCP) Reduction Strategy** - Implementation of the Strategy was discussed. CASA continues to provide comment and discuss updates to the draft regulation with CalRecycle (author) - still needs to address markets for the beneficial use of biosolids explicitly and biogas as more than a transportation fuel. The regulation now includes land application of biosolids as a viable means of recycling. Limitations in the form of County ordinances are expected to be addressed. CPUC is planning to consider changes to standards in support of in-State biogas production and use via pipeline injection beginning early fall. The next draft of the regulation is expected to be released at the end of summer/early fall. The regulation is scheduled for adoption by the end of 2018/early 2019.
2. **Basin-wide methane strategy** - BAAQMD continues to work on its Basin-Wide Methane Strategy. Since AB 398 prevents air districts from adopting or implementing an emissions reduction rule for CO₂, BAAQMD is focusing its efforts on controlling methane emissions. BACWA member agencies provided information regarding the cleaning of anaerobic digesters and it was summarized to help BAAQMD staff understand the process and relative contribution of POTW methane emissions. Rule development for methane emissions from wastewater/anaerobic digestion could begin in 2019, following rule development for Significant Methane Releases and Composting and Organic Waste Operations.
3. **Digester Gas Venting** - The Committee discussed drafting a Best Management Practices (BMP) document on digester gas venting for BAAQMD's consideration. A doodle poll will be sent to the Committee to form a subgroup willing to meet on this subject and work on the BMP.
4. **AB 617** requires the CA Air Resources Board to develop a statewide system to annually report non-vehicular (stationary source) emissions. A draft Community Air Protection Program concept paper was released February 7th outlining the approach the state will take to reduce exposure in communities most impacted by air pollution. At the same time, CARB has generated an Air Pollution Mapping Tool that appears to be the online (publically available) reporting system that CARB may use to support annual reporting. ARB held workshops across the state to introduce what the regulation will address. BACWA decided to support and sign onto CASA's comment letter, which is now due July 23rd. Sarah will draft the comment letter and coordinate review by BACWA members.

BAAQMD Rule Updates

1. BAAQMD released the [Rule 11-18 Implementation Procedure](#) document providing guidance to BAAQMD staff, as well as the regulated community. It is intended to be updated regularly based on feedback from the Implementation Workgroup. BAAQMD established the Rule 11-18 Implementation Workgroup in May to discuss the roll-out of Rule 11-18. Carol Allen is BAAQMD's staff lead. The Workgroup is to identify informational needs; provide industry/community perspectives; raise concerns about the implementation process, HRAs, or Risk Reduction Plans; and to help resolve implementation issues that arise. The Workgroup is anticipated to meet quarterly (for several years), with the next meeting expected in late summer 2018.

POTWs are in Phase 2 and BAAQMD staff indicated that the earliest they would work on POTWs is likely summer of 2019. In the meantime, BACWA member agencies should update their emission inventories (i.e., influent flow and concentration data) as BAAQMD invoices are being paid. This could reduce both the invoice amount (since fees are partially based on emissions), as well as reduce the prioritization score under Rule 11-18. Work with your permit engineer to understand the basis of the emission calculation for your plant. BAAQMD will be updating prioritization scores at least annually, so it is beneficial to update emissions data.

Palo Alto, Sunnyvale, and other agencies would like to form a subgroup to look at emission factors currently available for POTW processes as well as source test methods. **All POTWs interested in participating need to email Dan Patten at daniel.patten@cityofpaloalto.org**. He will send out a meeting notice to set an initial meeting to begin the discussion.

2. BAAQMD [Technology Implementation Office's](#) (TIO) mission is to catalyze innovation to combat climate change by incentivizing “disruptive, low cost” technologies that reduce GHG emissions from mobile and stationary sources. Staff has reached out to share that they have a revolving loan fund that can provide zero/low-interest financing to POTWs to adopt new technologies that reduce GHG emissions. We have invited TIO staff to attend our next meeting being held August 6th to discuss this funding and if it may be applicable to pilot projects.

Other Updates

1. [Portable Equipment Registration Program \(PERP\)](#) Update: CARB is conducting a series of trainings to provide information on the requirements of both the PERP Regulation and the Portable Engine ATCM. These two regulations have been amended recently, and the training is designed to provide detailed information about all of the changes. This training includes discussion of the following topics: applicability and exemptions, application process, registration eligibility, administrative requirements, fleet emission requirements, and enforcement. Portable equipment registrations will be reissued with new regulatory conditions as permits are up for renewal.

Next Meeting: The annual meeting with BAAQMD staff will be held August 6 at BAAQMD Offices.

Committee Request for Board Action: Recommend not signing the CAL letter to ELAP

Focus Topic:

Facilitated discussion on 'Corrective Action': TNI 2016 Standard, VIM2 4.11

The discussion was led by Dan Jackson, Union Sanitary District. Copy of presentation is attached.

Cyanide analytical methods:

Tony Pirondini from 'Water Chemistry Solutions' gave a presentation on false positive cyanide results due to incorrect sample preservation. The discussion also included the impact of holding time on cyanide results.

Recycled water policy comments:

Following the discussion of the proposed recycled water policy the committee recommended the following comment: the State ought to develop analytical methods rather than the recycled water provider to ensure consistent characterization of recycled water throughout the State.

California Accredited Laboratories (CAL):

This is a newly formed professional group dedicated to advocating for California ELAP accredited laboratories. CAL had forwarded a letter they intended for ELAP and requested BACWA to support. The executive committee requested the lab committee's opinion on this. The lab committee members weighed the options and decided not to support the request for the following reasons:

Although the mission of CAL is needed, as yet it has not been formally constituted. Once they develop policies, rules and an executive Board, BACWA should consider supporting them.

Agency Audits

- Vacaville is recruiting for a laboratory supervisor
- City of San Jose is recruiting for laboratory technician positions
- City of Mill Valley is recruiting for a laboratory analyst

Next meeting: 11 July 2018

Focus topic: Document Control

4.3 Document Control

(ISO/IEC 17025:2005, Clause 4.3)

Nirmela Arsem

11 July 2018

4.3.1 General

The laboratory *shall establish and maintain procedures* to control *all documents* that form part of its management system (internally generated or from external sources), such as regulations, standards, other normative documents, test and/or calibration methods, as well as drawings, software, specifications, instructions and manuals.

- Master list of all documents
- Have a procedure for 'control'
- How do you control Standard Methods?
- How do you control EPA methods?

NOTE 1: In this context "document" could be policy statements, procedures, specifications, calibration tables, charts, text books, posters, notices, memoranda, software, drawings, plans, etc. These may be on various media, whether hard copy or electronic, and they may be digital, analog, photographic or written.

NOTE 2: The control of data related to testing and calibration is covered in 5.4.7. *The control of records is covered in 4.13.*

4.3.2 Document Approval and Issue

4.3.2.1 All documents issued to personnel in the laboratory as part of the management system shall be **reviewed and approved** for use by **authorized personnel** prior to issue. A **master list** or an equivalent document control procedure identifying the **current revision** status and **distribution of documents** in the management system shall be established and shall be **readily available to preclude the use of invalid and/or obsolete documents**.

- Document title
- Current revision number
- Created by/date
- Reviewed by/date
- Approved by/date
- Date for next scheduled review
- Distribution list
- Define who has access to remove, delete or archive this document
- How/where will it be archived?

4.3.2 Document Approval and Issue

4.3.2.2 The procedure(s) adopted shall ensure that:

- a) authorized editions of appropriate documents are available at all locations where operations essential to the effective functioning of the laboratory are performed;
 - b) documents are *periodically reviewed* and, where necessary, revised to ensure continuing suitability and compliance with applicable requirements;
 - c) *invalid or obsolete documents are promptly removed* from all points of issue or use, or otherwise assured against unintended use;
 - d) obsolete documents retained for either legal or knowledge preservation purposes *are suitably marked*.
- Define where/how controlled documents will be available for laboratory personnel
 - How would you mark obsolete/ archived documents?
 - Define disposal date for archived documents

4.3.3 Document Changes

4.3.3.1 Changes to documents shall be **reviewed and approved** by the same function that performed the original review unless specifically designated otherwise. **The designated personnel shall have access to pertinent background information upon which to base their review and approval.**

4.3.3.2 Where practicable, the **altered or new text** shall be identified in the document or the appropriate attachments.

4.3.3 Document Changes

- 4.3.3.3 *If the laboratory's document control system allows for the **amendment of documents by hand** pending the re-issue of the documents, the procedures and authorities for such amendments shall be defined. **Amendments shall be clearly marked, initialed and dated.** A revised document shall be formally re-issued as soon as practicable.*
-
- 4.3.3.4 *Procedures shall be established to **describe how changes in documents maintained in computerized systems are made and controlled.***

List of Controlled Documents (example)

Document	Type of Document	Authorization Approvers	Review	Comment
Policies	Internal	Lab Manager	3 Years	
QA Manual	Internal	Lab Manager, QAO, Supervisor	Yearly	
Chemical Hygiene Plan	Internal	Lab Manager, CHO, QAO	Yearly	
SOPs	Internal	Lab Manager, QAO, Supervisor	3 Years	
Worksheets	Internal	Supervisor	Yearly	
Operator Aids	Internal	Supervisor	Yearly	
Data Review Checklists	Internal	Supervisor	Yearly	
Forms & Templates	Internal	Supervisor, QAO	Yearly	
Audit Templates	Internal	QAO	Yearly	
Instrument Manual	External	Supervisor	Yearly	
Instrument Software	External	Supervisor	Yearly	
Reference Methods	External	QAO	Yearly	
Fed Regulation 40 CFR 136	External	QAO	Yearly	
Fed Regulation 40 CFR 141	External	QAO	Yearly	
Reference Methods	External	QAO	Yearly	
California Regulations	External	QAO	Yearly	
Sub Lab Certificates	External	QAO	Yearly	

Committee Request for Board Action: None

Conference call only. 17 attendees representing 11 member agencies.

Upcoming Permits

August – SASM - No issues, satellite agencies have not been included in permit. SASM does not frequently blend, and owns part of its collection system. Its satellite systems also have private sewer lateral ordinances. Both SASM and Tiburon submitted comments asking that the SSS WDR not be incorporated into their NPDES permits (see Collections Systems Issues, below)

Tiburon – No known issues.

October – SFO – SFO had some questions about how stormwater would be permitted – via Attachment S or the Stormwater Industrial General Order.

State Recycled Water Policy

BACWA submitted written [comments](#) on the Proposed Amendments to the State Recycled Water Policy, and provided oral comments at the June 19 state Water Board hearing on the following topics:

- 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.

Collection Systems Issues

a. *SAMC Lawsuit and incorporation of SSS WDR into NPDES permits* – In Region 2, the SSS WDR is incorporated by reference into most NPDES permits, leaving agencies exposed to civil liability if they violate the SSS WDR. Proposed changes in language could include the following:

The Discharger is subject to the requirements of, and shall separately 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. [Additional language could also be added, such as: “The requirements of the Statewide WDRs are not incorporated by reference into this permit, but satisfying the reporting requirements set forth in the statewide WDRs (and any subsequent order updating these requirements) shall satisfy the NPDES reporting requirements for sanitary sewer overflows specified in Attachments D and G.”]

b. *Exfiltration* – The San Diego RWB is looking at sewer exfiltration as source of human fecal matter to watershed – see [SCAP/CASA comments](#):

c. *SSS WDR* - CASA is developing redlines on SSS WDR to deliver to State Water Board on the following issues –

- Streamlined Reporting
- Audit Schedules
- De Minimus Threshold Language
- Climate Change Language/Considerations
- SSMP Change Log
- Other Potential Assistance

Nutrients

- 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 June 16 to discuss elements of the second watershed permit - the Regional Study as well as concepts for encouraging early actions and reducing the risk of agencies that plan to implement Capital Projects to reduce nutrients. The group has moved away from the “credit” concept and towards an idea of getting certainty that they won’t have stranded assets if they choose to invest in nutrient removal upgrades. There was also agreement that contributing to an existing effort on wetlands, through SFEI or SFEP, would be a good way to address a regional study of non-greyscape means of nutrient removal.

USGS Report on Selenium

In 2016, EPA proposed selenium objectives for the San Francisco Bay. BACWA commented that the objectives did not take into account data relevant to the South Bay. The USGS has reviewed South Bay data and developed recommendations for water column selenium objectives of 2 ug/L, which is still lower than selenium levels observed in many locations in the South Bay. The committee was interested in hearing from the Regional Water board whether this study will impact the timeframe for the South Bay selenium TMDL.

Announcements

- a. RWB soliciting nominations for 2018 P2 Award – email [Debbie Phan](#) by July 13
- b. NACWA seeking volunteers for [Cost of Wipes study](#)
- c. [Bacterial Objectives](#) scheduled for adoption by State Water Board on Aug 7
- d. Please respond to [2018 Biosolids survey](#)
- e. Regional Water Board wetlands policy workshop Aug 14

Next BACWA Permits Committee Meeting: Tuesday August 7, 12 to 2pm, EBMUD Lab Library



Executive Director's June 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 to discuss approaches on watershed permit language to incentivize early actions to reduce nutrients.
- Planned for and participated in the 17th meeting of the NMS Steering Committee and provided BACWA in-kind services by serving as scribe. Following the meeting prepared detailed meeting minutes and summary of action items.
- Coordinated with the HDR Project Manager on the schedule and budget for the Op/Upgrade Report.
- Submitted the Final Report to the Water Board on the Nutrient Optimization/Upgrade investigation in accordance with the Watershed Permit. Circulated the Report to all the BACWA members and posted on the BACWA web site.

BACWA BOARD MEETING AND CONFERENCES:

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

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.
- Participated in discussions of a new policy for Board member donations as part of the strategy to pursue Foundation funding.

COLLECTION SYSTEM COMMITTEE:

- Coordinated with the RPM on planning for the next Collection System Committee meeting.
- Participated in a 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 tracking the revenues coming in from the BACWA FY 18 member invoices.
- 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 agendaize for the next Permit Committee meeting.
- Participated in the June Permit Committee meeting 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. Serving as contract administrator for a research effort with UC Merced.

AIR COMMITTEE:

- Coordinated with the AIR Committee leadership on current regulatory issues.
- Attended and participated in the BAAQMD workshop on Developing a Sustainable Organics Recovery Sector

WOT:

- Communicated with the BACWWE Executive Committee on how the Spring Semester was progressing.

- Coordinated with Solano Community College is 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.

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.

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
- Met with McDonald Consulting Engineers to discuss upcoming BACWA initiatives
- Participated in a teleconference with Limnotech on upcoming BACWA initiatives

Sherry Hull

From: Sherry Hull
Sent: Wednesday, July 18, 2018 12:04 PM
To: Sherry Hull
Subject: Toxicity White Paper - Potential CWSP Contributions

From: Adam Link <alink@casaweb.org>
Sent: Wednesday, July 18, 2018 10:41 AM
To: dwilliams@bacwa.org; Bobbi Larson <blarson@casaweb.org>; Elizabeth Allan <EAllan@cwea.org>; eofficer@cvcwa.org; Stephen Jepsen <sjepsen@dudek.com>
Subject: Toxicity White Paper - Potential CWSP Contributions
Importance: High

Summit Partners,

As many of you are aware, when we decided not to pursue the original C dubia blank study related to our advocacy efforts on the State Water Board toxicity plan, CASA began pursuing alternatives.

I sent an email to the group back in May indicating we would attempt to engage an expert to develop a much less costly white paper that identifies the issues using existing data sets (the SWRCB test run, the SCCWRP interlab calibration study, the 2002 USEPA data) to show there is a problem with the variability of the test. This white paper could still be put into the record for the toxicity plan, using USEPA/SWRCB's own existing data results, to show that there are issues with the test. That way, at least something would be in the record quantifying the error rate with the C dubia test, even if the data set is not as comprehensive as ours would have been in the blank study.

We have discussed this with Larry Walker Associates and we now have a draft scope for that work as well as a cost estimate of \$25,000 to produce that white paper. They think it can be complete within 4-6 weeks, which given the delays in release of the toxicity plan (now slated for August as described in the most recent SWRCB Executive Director's report) would still be in time for it to have value.

I understand that this white paper is different than the original blank study we had proposed, but **I would appreciate your feedback and input by the end of this week as to whether (1) your association is still willing to contribute funds to this new toxicity white paper in lieu of the prior study and (2) how much you are willing to contribute to the effort.** Just for reference, here is what had been approved by all of us for the prior study:

SCAP initially approved a \$15,000 contribution to the blank study
BACWA initially approved a \$15,000 contribution to the blank study
CASA authorized a \$20,000 contribution to the blank study
CVCWA and CWEA declined to participate

I assume we would make a roughly proportionally similar contribution to this study if you are interested. Please let me know as soon as possible and feel free to contact me if you have any questions or concerns. Thank you.

- Adam

Adam D. Link
Director of Operations
California Association of Sanitation Agencies

916.446.0388, ext 102 (office)

916.947.2900 (mobile)

Ensuring Clean Water for California

www.casaweb.org



Scope of Services

CASA White Paper

Assessment of Blank Sample results for *Ceriodaphnia dubia* reproduction tests using Various Statistical Methodologies

July 13, 2018

Larry Walker Associates has prepared this proposed scope of services in response to a request from the California Association of Sanitation Agencies.

The purpose of this work is to evaluate whether adequate data presently exists to determine the probability of falsely identifying non-toxic samples as toxic in assessing *Ceriodaphnia dubia* reproduction test results using the various EPA statistical methods (i.e., TST, NOEC, IC25). The findings from this work will be provided to CASA as a white paper for possible use in the development of comments on the SWRCB's proposed Toxicity Plan.

The following tasks will be performed:

1. Review available literature regarding *Ceriodaphnia dubia* chronic toxicity reproduction test results and prior work to examine falsely identified toxic results based on tests performed on blank samples.
2. Obtain toxicity test results and accompanying data from the following four studies from CASA representatives:
 - a. Moore, Timothy F., Steven P. Canton, and Max Grimes. "Investigating the incidence of type I errors for chronic whole effluent toxicity testing using *Ceriodaphnia dubia*." *Environmental toxicology and chemistry* 19.1 (2000): 118-122.
 - b. U.S. EPA, 2001. Final report: Interlaboratory variability study of EPA short-term chronic and acute whole effluent toxicity test methods. United States Environmental Protection Agency, Office of Water. Washington, DC. EPA-821-B-01-04.
 - c. Stormwater Monitoring Coalition Toxicity Testing Laboratory Guidance Document. 2016. KC Schiff, D Greenstein. Southern California Coastal Water Research Project, Technical Report 0956.
3. Perform initial statistical analyses on available blank data obtained from above data sets. Summarize limitations of available data. Review results with a work group of CASA representatives to confirm approach and data limitations.

4. Complete data analysis based on input received from work group of CASA representatives.
5. Review and summarize findings and limitations of the TST Test Drive prepared by USEPA in 2011.
6. Prepare draft white paper summarizing purpose, background, methods, data analysis and findings. Review draft with a work group of CASA representatives to obtain comments and edits. Prepare revised draft white paper for circulation to larger CASA audience.
7. Prepare final white paper which addresses comments received on revised draft white paper.



BACWA ACTION ITEMS

Number	Subject	Task	Deadline	Status
Action Items from June 15, 2018 BACWA Executive Board Meeting				
2018.6-66	PPIC Roundtable Discussion with Wastewater Mgrs	query the BACWA membership on interest in participating in a roundtable discussion (ED)	7/1/2018	Completed
2018.6-65	Recycled Water Policy comment letter	circulate final draft to BACWA Board (ED/RPM)	6/27/2018	Completed
2018.6-64	Target Reserves	Develop 5-Year Projection Options for July EB Mtg (ED)	6/30/2018	Completed
2018.6-63	Collaboratives	Review all supported Collaboratives during next Budget Cycle (ED/AED/RPM)	12/31/2018	Completed
2018.6-62	Opt/Upgrade Final Report WB Workshop	Ask if 8/23/18 Jt Mtg date works for WB Staff (extend time? Move to EBMUD?) ED/AED	6/30/2018	Completed
2018.6-61	Suisun Marsh DO TMDL Comments	BACWA should provide a general support Comment Letter (RPM/ED)	6/25/2018	Completed
2018.4-57	AQPI	Coordinate with Jennifer Krebs on what, if any, role for BACWA (ED)	5/18/2018	Completed
2018.3-49	TNI InfoShare Workshop	In about 6 months (RPM)	12/15/2018	Pending
2018.2-43	Committee Meeting Audio	Research cost of providing audio of meetings (RPM)	6/30/2018	Pending
Action Items Remaining from Previous BACWA Executive Board Meetings				
2016.3-61	Membership Policy	Develop policy for out of region agency membership (ED)	6/30/2017	Pending

FY18 64 of 66 Action Items completed

FY17: 90 of 90 Action Items completed.

FY16: 96 of 97 Action Items completed.



DATE	AGENDA
<p>8/17/2018</p> <p>Monthly Board Mtg Items due: 8/10 Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull</p>	<p>Consent Previous Board Meeting Minutes (AED) Monthly Financial Report</p> <p>Authorizations & Approvals Approval: BACWA Biennial Conflict of Interest Code Review</p> <p>Other Business - POLICY/STRATEGIC Discussion: Water Board Jt Mtg Draft Agenda 8/23/18 Discussion: Draft Agenda & Schedule Pre & Pardee Technical Seminar Discussion: Membrane Aerated Biofilm Reactor (MABR) Research Discussion: RMP & NMS Update (Phil Trowbridge/David Senn)</p> <p>Other Business - OPERATIONAL Discussion: Options for Supporting the Bay Area Biosolids Coalition</p> <p>Reports Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Other BACWA Representative Reports</p>
<p>8/23/2018</p> <p>Joint Meeting - Water Board Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono</p>	<p>Other Business: Discussions</p>
<p>9/21/2018</p> <p>Monthly Board Mtg Items due: 9/14 Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull</p>	<p>Consent Previous Board Meeting Minutes (AED) Monthly Financial Report</p> <p>Authorizations & Approvals Approval:</p> <p>Other Business - POLICY/STRATEGIC Discussion: Draft Agenda Pardee Technical Seminar Discussion: Annual Meeting Planning Discussion: Update on CASA Climate Change Program (Short Meeting)</p> <p>Other Business - OPERATIONAL</p> <p>Reports Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Other BACWA Representative Reports</p>
9/21/2018 No Board Actions Permitted	

Pre-Pardee Seminar

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

10/25-26/2018 No Board Actions Permitted**Pardee Technical Seminar**

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

11/16/2018 Consent**Monthly Board Mtg**

Items due: 11/9

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

Previous Board Meeting Minutes (AED)

Monthly Financial Report

Authorizations & Approvals

Approval: Adoption of FY18 Annual Reports

Other Business - POLICY/STRATEGIC

Discussion: Pardee Debrief & Survey

Discussion: Draft Agenda Joint Meeting with WB

Discussion: ReNEWIt Industrial Advisory Board Meeting Debrief

Discussion: 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 Consent****Monthly Board Mtg**

Items due: 12/14

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

Previous Board Meeting Minutes (AED)

Monthly Financial Report

Authorizations & Approvals**Other Business - POLICY/STRATEGIC**

Discussion: WB Joint Meeting Debrief

Other Business - OPERATIONAL

Discussion: Annual Meeting Agenda

Discussion: Budget Schedule & Key Issues

Reports

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

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

1/25/2019

Annual Members Mtg

Schectel, Mitsuddy, Pagano, White, Zipkin
Williams; Fono; Hull

Service & Leadership Recognition
RMP & NMS Update
EPA, CWRCB, RWCB, Air Dist,

2/15/2019

Monthly Board Mtg

Items due: 2/?

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

3/?/2019

Joint Meeting

Schectel, Mitsuddy, Pagano, White, Zipkin
Williams; Fono

Other Business: Discussions

3/15/2019

Monthly Board Mtg

Items due: 3/9

Schectel, Mitsuddy, Pagano, White, Zipkin
Williams; Fono; Hull

Consent

Previous Board Meeting Minutes (AED)
Monthly Financial Report

Authorizations & Approvals

Other Business - POLICY/STRATEGIC

Discussion: WB Joint Meeting Debrief

Other Business - OPERATIONAL

Discussion: Second Draft of FY20 Budget

Discussion: Biannual Update on CASA Climate Change Program

Reports

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

4/19/2019

Monthly Board Mtg

Items due: 4/12

Schectel, Mitsuddy, Pagano, White, Zipkin
Williams; Fono; Hull

Consent

Previous Board Meeting Minutes (AED)
Monthly Financial Report

Authorizations & Approvals

Approval: FY20 Budget

Other Business - POLICY/STRATEGIC

Discussion: Draft Agenda Joint Meeting with WB

Other Business - OPERATIONAL

Discussion: Update on BAAQMD Regulations

Discussion: Update on regional and statewide biosolids issues

Discussion: NBWA Conference Debrief

Reports

Committee Reports (Committee Chairs)

Board Reports (Executive Board)

ED Report (ED)

RPM Report (RPM)

Other BACWA Representative Reports

5/?/2019

Joint Meeting - Water Board

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono

Other Business: Discussions

5/17/2019

Monthly Board Mtg

Items due: 5/10

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

Consent

Previous Board Meeting Minutes (AED)

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

Monthly Board Mtg

Items due: 6/8

Schectel, Mitsuddy, Pagano, White, Zipkin

Williams; Fono; Hull

Consent

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
Monthly Board Mtg Items due: 7/12 Schectel, Mitsuddy, Pagano, White, Zipkin Williams; Fono; Hull	7/19/2019	<u>Consent</u> Previous Board Meeting Minutes (AED) Monthly Financial Report <u>Authorizations & Approvals</u> Approval: Annual Nutrient WS Payment Approval: FY20 Agreements <u>Other Business - POLICY/STRATEGIC</u> Discussion: Water Board Jt Mtg Draft Agenda Discussion: Draft Agenda Pre-Pardee Technical Seminar Discussion: Risk Reduction Update <u>Other Business - OPERATIONAL</u> Discussion: <u>Reports</u> Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Other BACWA Representative Reports

CURRENTLY

**UNSCHEDULED
& SIGNIFICANT**

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



Regulatory Program Manager's Report to the Board

June 2018

NUTRIENTS: Discussed certification letter with member agencies. Attended NST meeting. Reviewed and uploaded final Optimization and Upgrade report to bacwa.org, and developed transmittal letter to Regional Water Board. Worked with nitrogen load calculations for Nutrient Surcharge.

BACWA BULLETIN: Drafted and distributed June Bulletin. Drafted July Bulletin.

RECYCLED WATER POLICY AMENDMENT: Reviewed WaterReuse/CASA position and held discussions with staff from those associations. Worked with Recycled Water committee members via email and conference call to develop and submit comment letter on Recycled Water Policy. Attended 6/19 hearing in Sacramento to give oral testimony.

TRIENNIAL REVIEW: Finalized and submitted Triennial Review comment letter.

HG/PCBs: Contacted community based organizations regarding new risk reduction work.

COALITIONS: Participated in CASA RWG Water Committee call. Participated in CASA SSS WDR Redline call.

COMMITTEE SUPPORT:

AIR – Reviewed invoices. Discussed meeting planning, and future joint meeting with Water Board and Air District. Attended meeting.

BAPPG – Attended June training meeting and drafted Board report. Developed new webpages for baywise.org on pet flea treatment, veterinary resources, and safe medication disposal.

Biosolids – Hosted committee conference call on biosolids survey, and updated survey based on member comments.

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

Permits – Developed agendas for June and July meetings. Attended June meeting and drafted Board Report.

Recycled Water – Drafted Board report.

Executive Board – Prepared for and attended Executive Board meeting. Edited action items and meeting minutes. Attended and drafted meeting notes for 6/1 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. Developed Fy19 RPM Performance Plan.

MEETINGS ATTENDED: Joint meeting with Regional Water Board (6/1), staff meeting (6/5), BAPPG (6/6), AIR Committee (6/8), Permits Committee (6/12), Recycled Water Committee Call on Policy comment letter (6/13), CASA RWG Call (6/14), Executive Board meeting (6/15), Nutrient Strategy Team meeting (6/15), SWB Recycled Water Policy hearing (6/19), Biosolids Survey Conference Call (6/21), CASA SSS WDR Conference Call (6/27).